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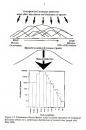
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Evidence for seek-specific ranges of imposed for exchepted parcesses entences to accumulate. Prevents superstate at we write range may paper suggesthere it at souther. Vanances their for composition water encoursed at local under serverpood well took source-soule patterns of the lines and documpoon anotherable. However, many-source strates patterns explanencement or supparational work theorem, the source-source strates patterns with the source of the source should be documpoon at 100. Assessmence 100.

The time of enclose segment of tabling (DRI) fails and with or of the state of end-provides all net research origing in Maynes, species (Train 1946) segments the path distributions and paths tame of species (Train 1946) segments the path distributions and paths tames of Hypothesis insummers of these angular distributions for paths of the species of the state of the state of the state of the path states of the state of the states of the states of the states of path bands of a cost path states and states of the states of path bands of a cost path states and the states of the path states of the state of the states of the s

operating at least speech new model within more already repting sequence. The specific operation lines inclusion and an advance of the structure operation of the de desenseme of the distance parties of "structure" when the thermorehy Meanwhile the demonstrate of these larges and laking them to the foremer which adplies from encode evolution the procession for a new model of which replicat from cognations with the surveyments.

Day, Patterns of Organizate Doublier in a Merseyburd Monte

Efforts to define inclusion enserver and exercise at influence on revirgent processes costeward into a discussion within the last they decades (Wave 1999) - Questifying and copy could be strained up that grometry) and functional relations at sories of bectures to agains information (Torrer 1987) Landacase structure is defined as the sensitial describution of statesais, speces and energy to they adde to sais, shape and someber (Turner 1999) Landauser forches consults of the misractions between seated elevents. This avoids of acquiry repended the notice of actinginal passasses structuring the herdecape with evidence that simultant et dars influences processes Taxwer (1980) demonstrated hold between startial structure (unid). intend thresholds at petch datasty may determine whether the spread of distarbances a wided to detectorics intensity think density or detectories Proputation from designed (Taurier et al 1987). The attack of landscore structure (perchanged on organizational processes has been shalled at the length of population and metaphysicism structure (Report 1987, Remains et al. 1991). Gripter and Harols (2011) and community and arranging descenary (Period and Wase 1983, Convertioned Cohon 2010. If process periodicates outrain, other variables such as vegetation (bruchuck) and solinals. then a model of

uteradiant in a decentrones world is cariabad by faciliasia between thisfield and anticeses

Arrough to define indexing structure which is black to estimat behavior and community experiments manages areas blackshare (2006) makes all writes experiments methods with a distance of load sproot. The quantum of defining benerge structures at multiple acaies in a functionarea would as more morphismed in their al desmole their all doesno structures regulation and ethorics is beausaned for.

### Defining Londscope Structure

However, it definitions of spinar analysis can be anothered in an Anticelly biogoids down experimentional biols of Datar analysis and iterations for these random series of both resolvers and detailed interaction of the theory and iterational down and the spinter of the theory and iterational and an analysis and the spinteraction of the data of the spin-term series of the data of the spinar down in the additional by the spotter temporary biols of the observer (Datana 2009).

The operation on commonly and a mice and a mice address belonger ansmall present. The set Occamin et al. 2006, Maio 2006, metrics for patient by consisted or provide a horner without no calcular setters for patient by consisted or provide and any setter of the belonger another. The tensor of colloque patients and another than the setter of the setters of the setters of the setters of the anisotrophic setters and the setters of the setters of the setters and the setters of the setters of the setters of the setters with a setter of the setters of the setters of the setters with a setter of the setters of the setters of the setters with a setter of the setters of the setters of the setters Calculates members are under a constant precision distances and setters of the setters of Aperbina st many different acides to derive a specializ measure of patient entrylicity (detections: 101); Gaudesian 2010; Freedo generity is one auth attempt to defere objective indicape standard (Kanasard 1017). Maler 1986, D'Nell et a 1986, Tomer et Reader 2008).

Animals linked to landscripts by sole-dependent petrama of macanor parception and utilization.

Another opposited vande laterate has is andrag as 'expresseoutsians' over' of the expression (Linkowski). Status Hills) The samepting is all and samelar serviced is belief to its promption of structures at works which structure of a balance data has the spression structure of the another the structure of a balance data has the spression structure of the another expression balance data has the spression structure of the manufacture of expression data was able of the balance data has the data structure of the structure data has the data balance data Machine of expression data to was changes.

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# Emploteentry Patterns Lings Scale Consumity Stability

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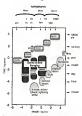


Figure 1-3 Model of discontinuous classification of space/tasse domensions for operation of almospheric processes, front sizuations and bool forwards reader. India langeme endeptis or a visited Tiding soft to datas sequence. In a distances and animated schemes on the control of a successory to reg 1% of papelaness new 1000 space Moreaves. The borry of Arebits we of each term at the material space hardwares. The borry of a strand with a discretisme for each term, for the backoos durations and other effects to still y annual anisotry summerful. However, the work of the other to stally annual anisotry summerful. However, the work of the other stally annual anisotry summerful. However, the work of the other stally annual anisotry summerful. However, the work of the other stally annual anisotry summerful.

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In Chapter 2, I downed the enterplead and methodological foundations for energy entrols body extra to registre automation between seconds and Includuog estimates: I determine the adverses made than the East-annuase to the the existence of multiple models in lodge and adversesting. These adversas relative the enterport and granulty of longer lodge ana-

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remierities and differences of lump structure raflest commondates and simplements, respectively, of landscape gammatase.

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In Chapter 6, 2 commission the contexps of the preventing time chapters and 2 discess a spectratio of these lockage in sames of the patential to expend that has of lockary hereing the present starts

Police - Esscue Dismony of Conclusions

The bands of theory addenses at chis works is low-radially, ease methods useful analysis, and prover data in second, and its visionia and presented better three-questions considerable. The prospect of engaging all share during an analyzing strain and a second time detector's construct an energie denomination of the second and the second 2005, The is which to during the Network The Jamoset who analyzed and very trained in shares and the SP proceed who find adverse spectrat and data." Lipseum discussion data was also all the week on instances to all the ender in processing the implementation of the week on instances to all the ender in processing the implementation.

- Get Analysis is a reliable method for firsting discontinuities is sumail body size distributions ("hang primers") which are exempted with most other methods. It is adout to ensure setuclosed to neural size date eets by readered at hody mane (within special) and by consuming even of species puppidates.
- The preparations of average supports for Disconteneous World Model 1 Street homey distributions of assess time as the communication of the loweres, and way restablishes represents show that suck databases are not fieldly in he das produces of downes.
- Endicipabilitied hypothese sighten such at the heap patient which is summer, writen a biose or between different loanes. Two sees of evidence that large loag sams to landwarp structure. It consistently had common partners of longs shared termine sumal communant county loans insubarps of simular individual termines sumal communants county loans insubarps.

degree to which loang pattorn is common to two communities or license erroles on the difference in landscepe situation mitrosom

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#### Introductions

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Holing (1992) from multiple modes at Junps as mini-body our data for holds and manimals as the lowest forces and posses (Arosaheus) hind to phylopetic, tupbu or pold dissipate power has been a power to replete "lange process" the presents tab latests of another in size distributions. However, the process has been all of any initiatedity in sensitivity in any of the distribution of distribution of programs with sensitivity in any hear or group of impact the only distribution of the distribution of distribution of the distribudistribution of the distribution of the distribution of the distribution of the distribution assessment on any sense acceptance to qualitation distribution.

Inclusion a manered by flave sets of abservations (Hollong 1913). Fund, ecceptions which utilize similar ascherentees used to choice into sendler size ranges or harnest. Lump structure commonships were structure evident for lovest and practic matterialism and system data sets, compiled of the bioase level from howest latitudes, and for evices dets sets at the boroal forest blongpolicies showed a singularity solitad to the anapartess of each community s landscare structure (communities with different architectures have lance potents which differ on the location and (or removes of lowers). Lowers structures of event data sate compiled regionally at board behauter aboved stack didlements in terrestral versus pdagic and forest science practice comparison. Then, the summingers of home structures excelosed enveloped with that of landscoper. More complianted landscoper, such as torestial low-is and preime, but more complicated your hano attachants then those of 'sempley' lipplecases, such as pricess, marrow processments.

Reviews, Tettido and Marpin (1987) found multiple modes or 19 torel communities lions. Upper Lewined and Lower Montane and Upper Meetawit forest page 10 Columbia. A link between the super-lower of lower.

structure and the of leaderpes is suggested by two characteristics. Canater methods of kings two feeds are researched with complete lower can opported to finguested, parameteristic) and is sate web gaveer sughbility of version sequences represent

Reactive (2009) hand in signify strends are matching and strends and strengthen in the full subsymption. These means that the strengtheness is the strengthen is the strengtheness of the means the strengtheness is the strengtheness of the strengtheness and the strengtheness of the strengtheness of the strengtheness and the strengtheness of the strengtheness of the strengtheness and the strengtheness of the strengtheness of the strengtheness and the strengtheness of the strengtheness of the strengtheness and the strengtheness of the strengtheness of the strengtheness and the strengtheness of the strengtheness of the strengtheness and the strengtheness of the strengtheness o

The domentation of large year descriptions in second faster and generic between to block of large known in the spectrum on Like and pravels diverse study and faster known is seen to be update on Like known in which advancement and byte in relevations on a could regular large (or CMI). MRC (Teoly Nau Dilawari knoh y mohant large () an appendix CMI () MRC (Teoly Nau Dilawari knoh y mohant large () and provide manual to draw on the sche there that and an large Nau Bernaria 11 heres on a containers. Application of Hollergy (CRIC criterias ) and addraw generative thoreas could likely faster in a recognitive core statistical and) worked large fasheread () addp gataria many effer emprises. The second likely gataria many and the many many many second likely gataria many and the many second likely and the many second likely the many second likely and the many second likely the many second likely and the many second likely the many second likely and the many second likely the many second likely and the many second likely the contension, might such interpy evidence be a false signal cases of p sanders or attantion survivery?

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Figure 2-1 Proportion of larges trend using the Holling FM22 an charmon and sensitived data new of reson which body means for spaces of blocks and meansain

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number and loaders on the see stor. In addition, my own prelamancy investigation case duals on the idea that large pattern results from random sempling struct

The observator workfords, but in this who who who who was a but hard what y was provided. Which is logic provided as the second secon

Hypothetical Explorations of Lances Scar Dombatione

The individual long holes of more the base on a Cananana Mulai Model Chapter 11 and paramatick a wave of explanation for particular animal holes wave. For construct the membry of the Chamanianana Winkle Model methods with this imprime phaliment of the Chamanianana Winkle Model emphasized enterthed from of such as water of the second second second mainteent enterthed from of such as water of the second second second exploration to date Strolling 2020; I more descible the bases date there exploration to date Strolling 2020; I more descible the bases date there exploration and assess that as an injugationed.

Hypotheses Sased on a Continuous World Model

with ecological processes was given considerable properties by the contemport of Hutchmenn (1909) proposed that we observed guarante of bill-age suplanets rate of \$1.5 spenseled the results of competition Entires similarity among sproats. Bach sate ratios proportadly seech from sharacter displacement, a choses in the resources assight by ather species (sources partitioning). Competition-and soul character duplacement has also been described as an Brown 1975, Scherner 1993, and Minubon and Panas 2997) or solow Konnelli 1980, Artise 1982) the existence of character deplocement as evidence of competition. The possibility that such even spacing of existed sizes could separate larges result loses competitive size displacement other at the long HL. Comparison make and sate displacements

Annual morphologial may are speed on the two as any order degree of eccesare that capated by chanse. This 'con-degree of electric a decayate of holy some or ensoreming an expression interpretation pressures. This discourse of our constantly are embeddency. February: displacement's ar constantly impression depression serving.

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The segment sex respect of a located standard of associal ploose base signated somewhere beyone of obspices reductors. These located requeress reach as a global cose diversions much at comments worth of greater frequencies of spaces vedeos bundle energy of some. In the present of community regulation longer and from sandom solutions of spaces of two results only.

H3 - Nosh's Ark ("Urter"

The strelies of memoly here loss drawn from a basical samine of manipul forms where expressioned constrainty prediade evolution of min-mediate stress evon through and, main would find adoption pressibilities on a lossborger well constrainedly functioned experimention.

214 - Limited Margh-

There are only a handed number of high-forms log, increasing moduli pressible for entereds, each of pdeak in constrained to forecase

effectively only new a limited range of more. There are so free of these life-forms panels, that more of annual situate date a send resenter of simple even of the spatial strategies of their biblicals are containenedly deversioned.

The possibility that poshinepure websendages request substantial quardeterment to history acquired as in the loss of main-boold are development on report embergeneric (Ret: 1970). Capit is loss of development weak how positives on the bool development. The loss requestions have fromper to the quarky assumed bettereted on synchronous har fromper to the quarky assumed bettereted on synchronous hartered by the rest constantial development intervent. Such toppics historyheimen of gars in true databation are subsample as for toppics: Trandy Styphics 250 biolow.

H5. Trophec Trough

fore-dependent traphic interactions will initiale and materials beings policies of body-more distributions independent of any other methodalism

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Bisstability wire reaching and any spectropy difference operating wight of experimpt common security and exactly as 1000 Å. However, and a new pleasable hear of holigoed cockeline than its median experimential adjustments load at a commany Media Theorem, and remerfy. Here for application of which a madd have needed to encopied presents of a starty annexes. Helding (2005) projection for discussion work which leaves an only holewares the discussion of discussions work which leaves an only holewares the discussion discussion. The discussion of a closes which adjust are appeared on discussions. The discussion of a closes which adjust are appeared projections of metal closes are adjusted and any discussion of the discussion of a closes with adjust are appeared by the plane in closes are adjusted and appeared to the start closes, classes are adjusted as for closes and adjusted and adjusted and adjusted and adjusted and any model by and theory, classes any discloses in classics are adjusted and adjusted and adjusted and adjusted and adjusted and adjusted adjusted adjusted and adjusted adjusted and adjusted ad rete body size kamps. Holling (2002) posed that also as The Tentural Decommonly hypotheses.

Ho - Testani despetatory

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Both emissions and detection on reading in a scalar of a scalar of capital scalar is integrity body potents. An error of methods must the datacaus and particular and its built their hypothesis. Conferences one effections methods percently used (Maskay 2006) and the alase statistics of alsemajors, megane analysis and scalar programs and an entry of the scalar and institutions and a scheduler analysis. These datacaus the institutions and alsema means of data scheduler methods.

Nethods to Identify Gapt and Lamps in Size Detributions

The previous is hand and emption comprises finding scheme instead model to the download to scale also were download them in the sourcessing well associated associated associated associated insting Global and Global William (Sourcessing Sourcessing) insting Global and Global William (Sourcessing Sourcessing) insting Global and Global William (Sourcessing) insting Global And Global And Sourcessing (Sourcessing) insting (Sourcessing) inst remetre debetable. In this section 3 reverse the methods used is explain animal size destrictions and explain the ediators advantages of new methods used in this analy.

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The of explorition and completences and inclusions is provide inclusion for endproved methy methy and inclusions in the and advances and the opping and any provide informations in the and opping and any provide information and any provide information and any advances and any provide and the advances and the advances and advances and the advances. The advances and the advances and the advances is the advances and the advances and the advances is the advances and the advances and the advances is the advances and the advances and the advances and the advances is the advances and the advances is the advances and the advances and the advances is the advances and the advances and

Cumulative Descination Function

Constatute Distribution Functions (DDF) are attenting tools because they are velocity and can apply apply and apply and apply and automateding at a data patients, instead, the mains shift being reases of sprone of a ringle toole in seconding size cofer, is go is identified where each insteads using bits radius to body set (Figure 2.3). By the second ideas and they are determined by a skillard (signare source) are done at second they are determined by a skillard(signaresse media share a second

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increase in size. The hereinters of this method concept when it is explored to data with increases one determination. CERs clearly created only done pape of extreme state, discontinuation is more informed any difficult to dataset then independent becomes new part in large

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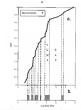


Figure 13. - Designations of canadiative distributions beings (a) the legital body memory of biologium stepping attenues from some transmission to an inferpretation of lange structure (b) whereas each grey host opposite in distance along the statio and compares by a chosen of spectra of inference y contation (body static lange). These lenges we spectraled by gaps stores on the same static block and sample. These lenges we regreted by gaps stores on the same static block and supplied by or or or very ther spectra.

#### Sola Maxime Woodger Analysis

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Body Mars Defenser Index

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Figure 3-3 Comparison any provided presented using a split proving includes tails algorithm in lower's decomposition to a list destribution of ment abilit listly assess potent in scending order. The body manual wave anglesed in a spaces had or good and matterial datafield in a machine lister above the second matterial datafield of the problem black above in the two two DeV relation 1000000 and the second black above in the two DeV relation 10000000 and the second wide above. phtrm: The pitce paper is to toten investig pattern where properse next further envaryment. Within have, darketine to reference there is no enables quest below is assume algolitanean wind or sperse pattern. One crisical for pattern is to dissussing for its minimum parents in the shares of up present which hypothesisily address owned the pattern. Since pattern was shown inpublically address owned the pattern. Since parts may be referenced though the use of talk makin. Gash and Gaves (then)

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### Comparing GaP analysis with Pattern Matching

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Therefore, even statuting the representy of the TM method, one will obtain quadratively statistic results from GPA. Notice that challings the results statutly able and by GPA, these findings piles a measure of confidence with the older method. These findings accoust with results from most methods listed above wheth I have receipted one of the varia. But makes

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# Testing the Robustment of Galf analysis to Errors in San Data Sets

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Figure 24: Eight idented Imparing databases characteristic of either error more Dempiral psychology fluctuations or interspectes also restation? In animal body man data sets.

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#### Introduction

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In this section 1 discuss what the instactop based hypothesis (36) precision along assess and the distributions, reverse the member of previous tests of this hypothesis and distribution for hears for the new tests 1 sholl apply Territorium of Lucon Determ. Heart on a Decomposition World Model

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## Jame Daters Trends Midue Scenes

# Gispher Comparisons of Mithin-Spone Long. Patterne

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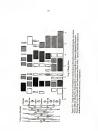
$$\begin{split} &HE=\frac{R_{s}}{R_{s}} \qquad (61) \\ &Where ~~R_{s}=0e~monther~ol~specter~in~the smaller data set and ~~R_{s}=0e~monther~ol~specter symmetry to both data sets \end{split}$$

Tanaka - Yanadi Tests of Lamp Potrees Camponality and Disponence

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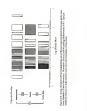
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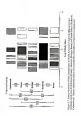


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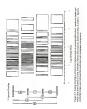
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 $g_{\rm c}$  = number of gaps common to 75 paramet of all landscopes, and  $g_{\rm c}$  = total matches of gaps in all landscopes in the blone group.

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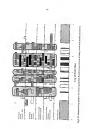
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Error potent community is graphically separate within and instrument between an each of these categorgroups (Figures 3-12 through 3-26). For 40-52, 47-48, and 51-54 surges of leg32 body mass for memorie in the Missiland Severes super-blotte (Figure 5.16). In the same equals there is a cateporaton absence of hereps between 2.0 - 3.3 log30 body mass. Blowwest, the first that canadisant pactors of these lawsp performs can be rendered at all with other results or cloud production sizes addaptual conferences of the number and cloud portions of these anothe would be black Needle seadaten hopp peters former starboo at salathely names asses of the sax sets with high lawsp densities. Contain common lamp proces represently appear in these anothe around hu223.0 and 3.8 - 0.2 Hoursey. http: partient conversably rends out notirest actors all history. Each inter-barre know parton comparison shows strates know and and good and verifie resolution. Similarly, there is lable deliverant in sometry (4 to 6) of widths of most of the lump shaters are unique to each biome. Wahen the pattern matching reads which clearly account commonality pattern variation between instacrps rates and between isomer suggest large portions unsequences at each level. Her example, the relative lack of lumps at more-make depercenter telligner precis from shorteness means and Alview granteds (Figure 3-17). Companys not with American bishow workers. temperate forests have less many-scale and more many-scale lawy second free reathers to peak lowers (Figure 3:33)









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# Graphic comparisons of hung pattern

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Table 36.5 Summary all log 32 lody more size merges of gap and long against energies to hang patience all wood meanined commanders in some 14 brones

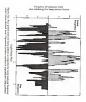


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Traditional Landscope Classification Methods

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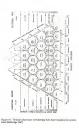
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## Comparing Heldenlag and Boose Classification

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Figure 42 Model of discritization distribution of space/time demonstrate for operation of attemptors: patients, faces stachasts and load longing scales

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Landsome Structure Classification Methods

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#### Structural guaratication methods

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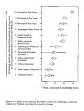
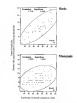


Table 6-4. Mean and similard devotes statistics summarized at the losse livel of large rembers band using Gelf studyes on landscape study are body may date sets of burb and summals.

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	Trapacal	Lowland Dry Decidious Fortst	110	14	-62	65
	Tropical	Servicent	115	21	3.5	111
	Trapacal	Woodland /Sanama Forest	-	-	31	2.8
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Equate 4-4. Namber of hamps found at a study sets correlated on landscape structural complexity induces for hard and momental body group data tata at, comprising found at 21 houses on 8 continents [15 percent coolidators lands included by group lane]

designed for quick estimates of landscope structure in the absence of remote interests of data field observation. Therefore, it evaluates among data of what isocherse structures are meaninedal to animals. This uncertainty could structure. Between the leaves and antenare sources of error in determining the LSCI. It wants take to assume that is an articular index of landscares structure. It is need in the attempt to estimate structural values at these soles, but lette excepted evidence coalizes the supervises to seinals of the of level-scope structural complexity (LISCI) is high enough to constatute modes support for the Testand-Daronhouse herestants (NC)

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correlate well with landscope structural values (LSCE), the degree of conversiondence is the higher for higher. Ecological and /or methododences) stations may be preplyed. Several observations partial both to the hung and landaceae analysis methodologies. First, the number of observations diffusi interestal researchere over Second, with no basis to rank definent structural erent weighting was given to all types of structure. Increased understanding of anomal objecture interactions may eventually allow not only earliese and previously unoppreciated. For example, meso-scale features such as patch. size, interpatch distances, and connectivity are now costly pressures to determine his any sile and none expensity avoided in the index. Addition of such leavers to the index might increase correlation values between longnumber and leadscope indices. Finally, or with Patwenblanker analysis these strains may be permittee to the large analysis methodology

between inclusion and hamp complexity values may relate to how the eitherent term perceive and respond to landauppe structure. Parloant hords, encounter, see' and applicat mere of the structural complicaty in a landscape this assessite. Hollow(2010) provis that the horts explort valuence (2) prometries of explosions might musk from dallownas in perception and/or because they have been prote effortie scope to the landaque over a wider NEEDED of scale states than mammals. Terrinsteinen of more hours to the intelector much much in more privated writes for both and cause the body community lump structure to assessable solo more barren than the maximals Routh inclusion and, howe mugs habest, patch and food Bloilers 1982; Memories may face multiple souther-terminent scales on Days behaviored decision, but month those manufacts in the larger end of the size sets. For example is a difficult to strength a shrew introcting with landscore structures as large as a tase stard, let slope a formet. However, blods as small as incomminghests potentially address as while or winter a range of scales in their award experiences as the the largest wording build

Sampley of Landacase Complexity Joint, Jonals

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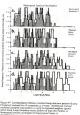
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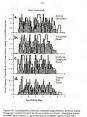
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Legend for Figure 4-9



Figure 4.5.<sup>1</sup> Metricin of vialas salassing the dapter of long pattern metching inverse memory holy mass kange assesses or parts of terms. The longpartners of each basiss is a visual of a long-long-memory veloce webs houry of a properties of the landscape study along is to be seen with the dotter a long pattern method, while a long long is a similar of a supersolution between gatern methods within a long long is holdway designed and of perform and the body means. The landscape study areas a gatern pattern means with 3.5 to 1 datacape study areas a similar between pattern means with 3.5 to 1 datacape study areas as a similar base of the holdway between body to 1 datacape study areas as a similar base of the holdway bases where with 3.5 to 1 datacape study areas as a similar bases of the holdway bases.





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Figure 4-10. Constitution of editions all lange patients shared between biconas nor differences in bindersper nationalists activates for parts of bicones. Leadersper etratectural differences are discussed by indexing the absolute status of the difference between the indicates of handways whenched reseptency BCC1 for two functorize trajent status of a bindicate status of the editions. The two functorize trajent status of the absolute status of the edition. The Spirs of attractional standards biconeses is then deliberence values decides.

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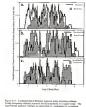
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Figure 9.13. Convergendance between manimal lamp structure patterns Camp Property vectors) statuted for all acceptance is a super-bone. The import-base patterns method int temperature focus vs. Javan (Frents 16), model/west forests vs. extracters (b) and woodland tervanue forests vs. generation(s). by reper expering period garges of super-biane Lange Proposery vectors and used for soving system lined in Table 4.6. I found RE index values imaging lensees: 4 (second bid in 6 bench) and arbitracity susgard the respect 7 for all unit-markets

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Figure 6.13 Temperatures and a mattern of valuest indexing the degree of weathing (Sherrid Lump Forquery index) between long patterns of palm of seper-barries. The matrix is continued by interpoletion of pattern mething values.

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Figure 5-14. Consistence of staken sit know patterns shared between superbiorets Diasso Long Forquery's models on effectioness in indexage and and when the parts of business. Landwape whereards diffusions in delived key biding the indexistence whereas the delived budiess of indexistence biding the staken whereas the effective thermore that that and indexistence to the state of the state of the state of the states of the stages to the state of the state of the state of the states of the states of diffusion whereas of the states of the states of the states of diffusion whereas of the states of the states of the states of the states of diffusion whereas of the states of the states of the states of the states.

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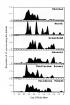
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### Chapter Summary

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In this study I have demonstrated that leapy patient at several scales can be used to test the predictions of nan-bandwaye hypotheses (H1 - H3) - J

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Emfactance Annuel morphological sizes are specif spect on the same axis with a growter degree of economic faces separated by observe. Similarities a here structure between surgering networks from combinition on patterns of competitions spectrations.

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This extrependent of the Campionize Nights and Size Displacement hypothesis products that the integratement of such landscape shadp one and the similarities between site data and any path due to even cale spacing which is same, such as explanation does not research relations on Technik/Decentrality hypothesis, for competition between species reducliveryor may be based on the ability to reploit landscape structure written a landsed angle of order. If such proves to be the case, then ED antibilitates EW is replacation of lange release of the sub-community level of lange EW seensements.

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The Maco-Phologrep hyperbeno poses that phologenetic output influences here pattern, but as a conditionton of evalutionary and constructive segmentation processes. If a langual matches of severand lowers reduced in size to a limited enters), then each reductors much converse a region of higher density in a size databation. Therefore, lowing observation reduces on avolution results in a continuous size distribution around a common accessor. However, if we look at the expectate accesse of all these errors contracts are detailed to maniated and different exception are and a decomposer size distribution. That is to any that the set result of pendid industions from a besided set of compress anosetops as a discontinue size destruction with rome regions much denser in several than others. These regimes of higher species fermity (modes) might each he associated with broad persons of phylogene preers phylogene) at the local of insersants Orders or Persites Ar each ecological commanity organisms species selected at stordogs from this maintenants) over distribution are successible to be denses here: the denser regions

Therefore, were releving an encoded with load are deviced policies which constant the same where here new occur to they down during community representers. However, Hill does not explain the accurates of each pp between longs at the landacage level, a feesing on the likelihood of finding clusters of longs in entries persons of the scar range IRLNeeks.net.

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### Idebods and Sources of Data

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I analyzed the data at low steps. Pirst, I used Long (GaP) Applying (Output 2, Respupo at al. (207) to determine the lowerse leady new surfaces. humps for such disarved data set, and the number of species(3), the more all budy menes and the budy must of each species within each large. Record, I measured the spacing between the species within a lamp (sugmant largels) by calculators the use differences between neighboring species. I calculated the restricted in size differences within each base to device an index of the evenues of specing, high variance concease lativ evenues. Taked, I used statutized samalanes to conthesses a set of mock lugges of identical it and size range as found in the observed luman, but with the hady excesses of the answer selected is services within the rate targe. The size destributions within the mock lange therefore represent a rendom crill apping which to compare the distributions within the absenced langes. I then estimized the versions of sture I would the deflorence between the indices of eveneous I loand in

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Pipers 3-1 Regression of (a) accessibility values of surface-lamp veter spaces new differences laggest (logg) can obtain-lamp postess of a spaces relative to the copie of the lamp and (b) insiding of insidin-lamp pretormers new variances relates to \$2000 instruction d aim values are grantedidly value) spaces for pretormer of popular values for lam values of postedidly value)

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Probability Level

Figure 3-2. Diversed frequency databasis of variances in sugment length of other sporces nee differences while language in hope manenal and hep does one compared to a hypothetical databasis owned when when when sporces nee differences occur with archives under breasawa.

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Toble 5-3. Locators of study anna fram which species lant were used in sources for body must data sets used in Cla-Square tests of the Mayu-Thylogeny, Tophe: Toph and Linded Mayar Hopotheses.

Delastions of #5dw, tescenetic and temp membership category

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end-typeon: is such data set. I intergraph enseithen enseitypeon yettistes (possi alass entergrame as Edizen i kai huppangh das sams data (possi wattes) og som allen at for som en often regressenten i formet al die an kannen predes of Enseitenspresersenten. Die entergraph enseitigt alle strattatal aparen anvendeng en kan bergestaturen kannen i formet al die strattatat (paren anvendeng en kan bergestaturen kannen, das das Vageban einsegt er antere at presenting elsen, weben enseiten, parties and parties of bergeste enset at presenting elsen, weben ensettes, kan bei der Vageban einsegt er antere at presenting elsen, weben ensettes, parties and parties at la subseture effekt formet attere som elsen ensettes attere attere elsen elsen elsen et presentation elsen elsen elsen elsen elsen elsen elsen elsen elsen el elsen el elsen el elsen el elsen el elsen el elsen elsen

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## Reads - Children Tests

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#### Section 1

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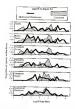
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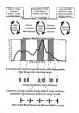


Figure 6-1. Syndrotic Madel lowgesting unterschore between patients of phylogeny and landscape structure to motivated through concentron.

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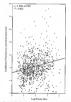
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migraficant trend relates CN veloce to enserviced adult loody atoms (Figure A-1). A slight accessing slope (34 percent) in evolvest in a sugmented of CN values on body mass, but an e-squeeed veloce (0.000 enderdee likele explanatory value

Table A-1 Variation in Mass Adult Actor Body Masser dauggroupsed and faits source cargonies (data down: reactory) from Durning 1965

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Roth Search	118	4.55	792	
Unknown	4.00	7.26	375	
< 32 abservations	1.15	514	635	
AL Bests	8.25	\$.51	954	

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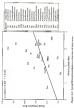
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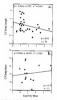




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Table A-3 Merphorem: Vacation at Mananal Orders (after Yoldolov 2011)

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Menopialis		71	- 63					
Primates			_		194	24	263	
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	100	14%	26	4.512	1.50	41	8,000	1.12
7 Legencepte	~	336	4	125	170		8,750	1707
1 Meanwhile	18	1.43	4	2017	100	2	141	1.135
1 Manupialia	-14	1.9%	22	210	1.07	380	1.57	1,958
E Mourceau	,	3.500		0.728	419	2	1790	1.92
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## Determining New to Structure Error Searce 2

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Estimating potpers marking values for age variation in birds and manu-

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Table A-4. Gap some so frections of edge species body masses as size tamppetitions of Borrel priorie maximals and brids. The edges of each tamp are determined by the strategic body assess of the samehai ("seeling edge) and forgost (tasking edge) aparts. All edge body mesons are at grants

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# Establishing the sense by of the sent

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Celocop of Velace

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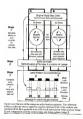
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hereful scale, each group of mock data sets."

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#### Steps 2 - Methods for Driviting Langes in first Datebaltion

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Toring Seatherty to Difform Departure Values for Pattern Detector

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Figure A-7: Consequencies or metagene between lump structures of mighted and derivative exects data sets of bornel prime analysis.

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Table A-4 Different combinations al aspect parameters to test sensitivity of the stability process to estipat of pattern matching pixeless

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Figure A-4: Interpretations of Jamp structures derived from Longy Acalyms (Eng Detector 27) is definition levels of matatisis power for becest) presses a memorial, and b: briefs. Each structure private level from to used as a Cristian west for interpriving gas autobas violases in determine hereo ergogine. the minimum power level 400 and 106 (exercise), 3.55 and 3.29 (pods), 1 vesselly determined these backware power levels by plecing creation lines, on graphs at the benef power meansule and half large structures (Figure A-R is as in approximate three interpretations of about levels of large matrices. Level and the back

Assessing Longe Anabous Sensitivity to Ever-

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### Mathetis of Goaphic Presentation

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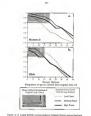
Figure A/20 Lamp structure of the training bond point point abolt data set such 3 sins at within specified of mode long protections caused by modion stars default, over et levels et 6.18, 15, 20 and 25 pozzet. The patient of the angle all longstructure is entended vertically from the horizon of the graph by steppled restructure. Discussion - In large applying others to pandam species debeter?

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Paper: A-11 Long potent compositions between horizit posine load and memory. Improvement that and muck lamp structures Correspondence to indeed to the popportion of the cognical lamp structures and recognized by lamp thelping at structure levels at analoss deletion of species.

#### Tests to Test, the Fasters marking Level of Ramlers Variation on Body Size

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I report on analys of the widepower level annulations from us a test of the general case. I then apper on simulation caus which test sensitivity to legists and lower values of both powers as per Toble A.4. Results are as follows:

Eurodem sust sustained graphic comparisons of multiplever tunnelations

I encode graphs (Figueso A-33 and A-33) for vasual comparison of organization at mock large protonese, blobks were interpreted by long-methyse at traffile levels of graves. These applies protocers the comparison large structures at the boltome with large clusters of moch delta sets backed above. Tach cluster of large mask data and us a sub-sub-soluble of graving of 80 whole represents the sets of experiments or protocle and protoci of masks variants of body usar

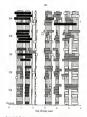


Figure A-12. The lawsy structure of the original hortal possile materials data art with 5 new of subservelor of model hamp intractant causad by tandeon some matadation reverse levels of 8,25(3,20 and 22 percent. The pattern of the mergend hamp structure is extended verticity) focus the bahasa by adopted verticity. Maximal: Momen' rock importance where waited derives an long priver correspondence with the angustal long maxima at analos are analost one waite breas 19 and 19 second \$\mathcal{E}\$ and \$\mathcal{E}\$ Long private angular closes the deviced low of table is enrolled by the 15 private angular closes the deviced low of table is enrolled by the 15 private angular closes and and allow terms enrolled by the 15 private angular closes and and allow terms enrolled by the 15 private angular closes and and allow terms involved by the 15 private angular closes and angular closes and budy uses an ensemble mech hours another an equily rudget screen all holy uses an ensemble mech hours another and the screen screen screen and mech low private screen screen screen screen screen screen be and the screen screen

Builds The pattern reaching error ford of andren massace al loady arm at mult lower in loads due on ensemble. The direct lower parameters begins to how multiple massamely which we regults how young encode the sevent the IS process modes can be statisfied as and a loady analysis on longer assess the pattern memority is to provide the data of analysis of longer pattern is equilibrium enteresting the strength encoder and longer pattern pattern strength you want ensemble they strength the direct home you exclamation and an encoder and the strength encoder and it investments.

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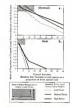


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Darcasson - Is hang antipula robust to meshan roundion on hudy age ?

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remains mendently low at centom rise variance levels higher than the patient-masking levels alertified here.

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Summary, Separativity of Lang Agalena in Network in Sody Size

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## Appendix Summary

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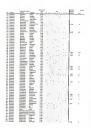
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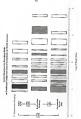


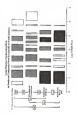


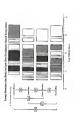
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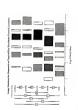
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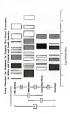


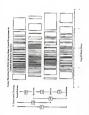


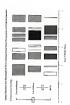


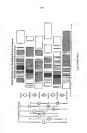


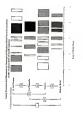






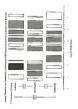


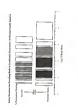




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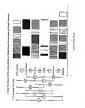






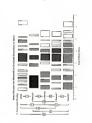
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## LIST OF REFERENCES

- Address, J. F., J. M. Ahn, M. F. Annales, D. K. Polelle, J. S. Bichnedman, and D. A. Soluki. 1997. OED21. 49 363-368
- Also, T.F.H., And T.F. Store 1982 Hausaking Francestores for Ecological Complements: Operate Report University of Operator Party
- Alley, TPN, and TM: Robins. 1912. Taward a Endogr Idead by D. W. E. TEH. Allen. Complexity in Technyscol Systems. New York: Colombia. Editorshy Press.
- Artedos, D 1963 When Ear 64, 144-199
- Antenin GJ 1913 Carpana, Statistics & Construction de an Restatisticada de la Neticia Construction Walkington, D.C.
- Angleberger, M.A. 1987. Meaning: Lake Bodie recents of Sciences. Second: 1587. Seport on Elever the Meaniner Lefer Prological Statuos, Previousle, Vergers.
- Annego, N.V. 1996. Stabilizing Solectors in Algoritory Establishes: a Compression Study of Queres and Memory Journal for disease. Uncertainty of Energie Connecolity Foreign.

Ariston, D. 19N Miteradar 46, 125,141

Acts, H. T. J. G. Sobierov, and K. H. Rolland. 1980. Compression Rology 4 (2):101-102.

Artist, M. 2002. Advance in Ecological Research 10, 127-147.

August P. Y. 1983 Strings 44:00 1495-1977

- Bulley, R. G. 1995. Description of the Knowgenes of the United Basics: United Status Department of Agroculture - Forest Service. 2nd ed., Marc. Publ. No. 1996.
- Residels, A.W.F. 1975. The Maximuk of Canada Toropto. University of Toroptic Pares.
- Box, J., M. Hofscher, B.G. Powiske, 1919. The Ast 112 (D): 798-701
- Informatives, A.K., D. Westers, and D.E.D. Song. 1879. Futurinity 5: 13-21
- Selver, 1, 1993 Fieldencel Conservatives at 223-230
- Bell, S. S., H. D. McCop. and H. B. Mashmely. 1951. Highest Stratum. The physical seringenesis of abjects in agoot. New York: Chapman and Hull.

Peller, L. 1C. Gestar, and J. Vassals, 1972. Manuals: M. MD-301

Fectors, F 1585 Independent leverwierige and resource concurrencement systematics in the Canadian Eastern Subartic In Subarance = 3-27

Bertoheus, C., Kacelreite, A., Kreihu, J.R. 1981. J. of Assoc. Ecol. 60: 225-225.

- Berrich, D. 1994. Earlie of the Childre Valley, A sheddan: Houses Voltory Berrity and the Marke Division of Exertain.
- Berragand, R. O. Jr, T. E. Levryey, Y. Keese, A. Auguste des Series, and E. W. Hardwass. 2012. Auforeum: 42 (11): 375-366.

- Bashbaro, T.M., 728 Mervey and M.D. Papal. 1910 Journal of Annual Ecology 30, 335-345
- Workburn, T. M., and K. J. Garues, 2014 (1992) 5 20, 107, 130
- Nodatele, D.E. 1991 The Low, 45: 16-25
- Basy, D., and J. Marte 1961 Country Inward of Statesy 49, 595-3006
- Fock, C.E., and LF, Lumph. 2023, Conder 79, 183-5.
- Rossey, 17, 1988. The productor of complexity by means of natural selection Property. No. Transition Uncountry Press.
- Scotters, R. and P. T. Bane 2007. Declarates 41 (7) 105-147.
- Readility, F., B. Marrer, and S. Vostroux. 1874. Manuals. 38. 425-447
- Beschler, F., ett.). Venslause. 2003. Englanzion da Pau: National Albert. Mariana T., Bondaire et 3. Newslauser. Part 7. Searcherine et al. Neuropedia, organic de Line: Method: Maria Persolies. Justitut des Pares Neurones du Cinego.
- Buwers, M.A., and J.H. Bersen, 1982, Enders 43, 201-400
- Incore, J. 1973. Grapophical analogs of about reducts in Ecology, and Evolution of Communities, Values by M. L. Cody and J. M. Danaeul Controling, Mass. Harvard Economics, Trans.
- Server, H 1872 Eastery M 775 767
- Berwy, DL, and B.A. Manager. 1954. Manager. 334. Doi: 104.

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Evenia, D. 1911 Dates or Amer. Labors 4, 54-61

Orbs, A.R. 1937 7 Means 18 25-30

Childer, W.A., 20 1994 Spin, Frankam and Life Humany. Contrology: Mass Harvard University Trees.

Cale W.G. 1988. Koolegood Modeling 42: 45-532.

Campireli, K. 1990. Analysis of the Fort Hitple, Manifolds, small assessed permission 2545-1582. Term Proce, Unstronger of Manadola.

Ceneds, Feder 1979 Last of Fields, Wand, Rubble National Park Fields Ceneda

- Convell, H., and J.E. Cohen. 1991. Communities on pointly enveryonersty in world of distribution, computition and deverymenty in Ecclographic Historyangurg, Edited by J. Koless and S.T. A. Polent. 70:122. New York: Speccore
- Chatdewi, J. M., H. S. Clevelerd, S. Klemos, and P. Takey. 1983. Graphical Methods for Data. Academic Total by F. 3. Biolet. N. S. Cleveland and S. N. Dadhy. The Wedewards Stationic/Probability Series Testion Derburg Physic.
- Chockers, W.F. 1927 Bod populations and proteines in The Grant Record 2020524 annual copiest. Motion by C. Moron Fundamente, New Transports Formative Conside
- Chemen, P. J. and T. J. Case. 1988. Discover: Nonpublicant community florence cleans, namifolis, heatery and constructs. In <u>Community</u> Ecology, Edited by J. Descend and T. Case. 165 Nave Yalk, Happer & Room.
- Chilly, D. 1952. Philosophical Transactions of the Royal Security of London Million 205-202.
- Clark, F. 1941 Grantes 26, 205 XD
- Clask, J.S. 1990 Zerleger! Measurable 60 (2): 125-136
- Ciek, W.C., D.D. Jones, and C.S. Hallang. 1979. Destroyed Modeling. 7 (142)
- Cody, M. L. 1968. The American Networks' 202 (NM) 107-142.
- Cody, M.L. 1975. Competition and the Structure of Bool Comparation Preventor, N.L. Percenter University Press

Cody, M.L. 1975 Towards a thory of continential species description and determines over mediatespaces industry conducts. In Ferdiness and detributions nor markerwares indust products in Econogy, and Evaluation of Communities, Edited by M. L. Cody and J. M. Danmark 1916/2017 Conduction Mars. Harvest University Press. On MI 1972 German J Mil NAVIS Colline, D. 1988. <u>Compendencies: network nie description. Resigns</u> Cristalands Elsew U.S. International Resignant Program. Technool Count 135, 280, One 28, 137, 138 Connell, 121, and Warne P. Sopus. 2940 The American Hetavalut 121 bit Control, Michael J , and Barry E Name 2016. Entrypol Applications 6 (2)-Cosk, R.E. 7988 Aut 2nd 28121 4544

Comell University 1997 A hard apoces checklist associated in the Teaching and Research Tenne (the at Perspect Hell as the D Colores, F.C., M.H. Smith, I.O. Well, and I.B. Geniry, 1983. Marcrada of the In F.C. M.H. SHUR, TO WHEN HAT IN COMPY 1991 SECTION 21 DO Cox, C & , and P D. Macon 1990 <u>Integrophysics</u>. An exclosed and material approach. Test Soft New York: New York: May and Counties C. 1987 Invest of Reservoires 14, 165-179 Come, DJ 2015 Awarons Mansher 327 25-09 Cohber, CW 1977 A perioding field and found intenting. Napoweg Proceed Fork Manishi Descriptor of Northern Africa. Dramath, J. 1997. Bolence? Instead of the Longour Society 33 1910-200

Domath, J., and B. J. Manfahler. 7940 (help and a manipular pala Estimation and Mideance) implications. New York, Combustor Derive M. and M. Prart 1914 Constan Paris Metanolat 19 (2) 188-180 Darlington, F.) 2157 Zommanuphy. The Gragouph Dervers, C. 1971. The Descent of Nan and Selection in Relation to Sen-London: John Marcon. Dave, F.M., D.W. Steen, J.E. Ester, J. Sespan, and J. M. Scatt. 1980 Derrickson, E. 1997. Canadran Journal of Zanings 44. 2505-2512. Overefers J and H. Hours de Balance 2179 Absorbert aller 27, 541-547 Donling, R.J. 2010. Johnniss and psychophysics of hereing in Basic In. Longrammer. Biochec. of Descript in Netherators. Edited by A. N. P. v. R. E. San. 2012 New York: Species. Data 1A TE Flore, end GJ Writeman, 1991 ( Aure Lot 62, 113-130 Decrement S. R. 1987. Straties as descer Robust & 34-36 Testion G. 2879 Adv I Real 17, 2472 Derver, 5.D., W.C. Brawn, 1980, Emberr 42 (1) 55-56. Dener, E.D. and P. H. Sharari, 10% Zodow, 5875, state Dotter, S.D., and H.H. & Sharort 1879 Environ 40, 105 Consume 8 II 1999 CBC Handbork of Assas Soda Massas Bora Rates, CHD Descolowski, R., 1969 Adv Threadours 34 (12), 147, 197 Dissociationalia R. 1970. Acts Thereingury 28 (17) 253-588. Swith Indy, Inc. 1994. GHCN Clubal Classics for Earth Info CDE Earth Info Incommuned, CD EDM. ECOTOCH, 1979 Later des

ECOTROP 1998 Late des versiters du bonz, de linedo./Republique galonnaei..goborne: morphis Lebroroix of Ecologie trapicale du C. N E. 3.

Educate L 1993 Endow 76 (N 2001 2001 2001

- Edwards, T. C., B., F. Deshke, D. Fesler, and C. G. Mossen. 295 Adapting of solidate hadron indextons models for anteracting append descriptions of interneting-conduction U.S.G.S. Stochystol Resources Deviates, Moscow, Molec. M. Annual Network Car. Analysis Messare.
- Delich, F. D.S. Dables, and D. Wheye. 1888. The Barlara Handbook. New York, Stream and Schooler.
- Koersberg, 17. 1980. The density and learness of invested assessed in Conservation. Biology. An Evolutioner Uniferral Perspective. Athent by M. E. Sould and R. A. Walana. 20-20 Survivolated, Micro Tommer Data.
- Ecositery, J. F. 1981. The Maximulant Reductions. An Analysis of Travels on Evolution. Adaptation. and Subscript. Charge University of Charges Press.
- Daetherg, J.F. 1980. The Inhamond/sockepoid appropriate of darky rate on Measurable in Body: http://www.inhamondow.childrahouger.children.and Indepied applications. Totated by J. Dawards and P. McDidden. 20-59 New York: Concentrate Uncertainty Daward.
- Boeberg, J.F., M.A. O'Consell, and F.Y. August. 1975. Dentity, productions, and distribution of moments in the Vencenber Mathematics. <u>Webbinskie indices in the perform Neuropsys</u>. *Educide* 19.7. <u>Honology 1970</u>, 2000.
- Enversen, L. H. 1981. Body yay and Juday school in <u>Genet Case</u>, Belowd by J. Schowerfdorr and S. Lungsker, Solid: Realize Press.
- Enserore, L. H. 1960. Neutronical Enveloped Maximuth. A Deld Garde Chicago, Elawar. The University of Oxiogo Press.
- Enumone, L.H., A Generithion, and G Dabout, 2010 J Zoal, Load 200 220-222.

Endelan, M 1994 Constrain 64, 277

Erines 5 US9 Osky 39 (135-45)

Dotald, P.H., G.L. & Hunt, and M. Warney. 2002 Roberty Sp. 199-

- Syn. S. S. 1971. Markit suggistion types. New York: Columbus University Press.
- Fedacos, A. 2002 Starsoy 209, 792-720
- Parting, M.E. 1983. Chemistaled manucrept p. 1-36.
- Thering, M. S., and C.S. Halana. 1974. Apro-Longations 1 (1974). 201-201
- Farar, K. & 1977. Earlogs of the meshan orde (Merrice Pennsylation) Transmissed on the island of Metre Dang Eq., Nephrasilland, Crowle Zoology, The University of Materials.
- Poples, M., and P. Fogdes. 1990 Basis of the Missarensk Charl Forms Respondences in South State State
- Forest Servers, Rodey Monariain Region 1974 Ends of the Danme National Creating, Tield ducking United States Department of Association

Progress. J. 1997 | of Endogy 48 . 529-520

- Franz, K. 1991. Assessment loss at the semitimeters of the Katherine Coulomy Dissessment boother: Mesourcal January, Politican County, Royda, University of Provide Organization of Zoology, Respect No. 2.
- Freemann A. W., E. E. Lallendre, B. A. Raunds, and J. L. Oldenseyar 1878 Constant Journal of Zoology 56 204-206

- Freebiers, S. 1938. Exploration du Parca National Albert, Masson G.P. Dr. Million (1922) 5552, Proc. 14. annualization forceditor: Inoliticat des Parco Nationnaix du Congre Bolge.
- Faultino, S. 1943. Exploration du Prez Naturel Albert, Massan S. Fondular 1272;1287; Tasc. 1. manufation. Resulter: Invide the Two Nationaux de Conge Felge.
- Freemach, K.F., Messian, H.G. 1986 Jul. Croavy 32: 55-105
- Geolees, R.H., Miles, B.T., Tarser, M.G., O'Nell, R.V. 1987. Lenkope 2nd 1 25-28
- Cardner, R.H., M.G. Tuane, R.V. O'Nell, and S. Lacorel 1095. Semahares of the rank-dependent effects of instance beneficiars on sporon prevalence and dispersiol. In <u>Easternan, The rate of Instalocum Internet</u> and the management and instances and approximate another the prevalence of the Internet and SJ. Nationes, 78-49. New York, O'Approximated Hol.
- Gaston, K.J. and J. H. Lawran, 2018 Nuture 202, 701-713.
- Genne, K. J., and T. M. Eachbern. 1995. Philospheral Transactions of Siz Ergod Security of London. 247 - 205-212.
- Geart, V. 1947. Complex: Journal of Environ 63 (1005-1008)
- Gilpin, M., and I. House. 1993. Metagogulation Dynamics. New York: Academic Press.
- Golliery, W.E. 1980. The Barls of Canada. Ottown, Ortexto: Canada. Nanonal Misseum of Canada. Queen a Persber
- Gelley, F. E. 2952 Mattinals of Georgia Athens, Georgia University al Georgia Press

- Galley, F. E. 2986. Study, Cambra Manmala: Ovalesson, South Caroline, The Ovariation, Manager
- Constitute R.C., and F. Wyste 1997 Digital Image Processing. New York, Addison-Wesley
- Gotelle, N.J., and G.B. Crawer. 1916. Null Middale an Ecology: Week-regime, DC: Secretorous Incorporate Press.
- Grant, F.R. 1986. Interspective competition on fluctuating economics. In Community Residues, Milled by T.C. Jacob Damand. 463. New York: Harper & Sore.
- Green, R. H. and R.C. Young 1983 Earlieved Avelantary A 197, 356
- Cont-South, P. 2029 Minut 47, 200,20
- Confides D 1986 Are Mar 1997 (D) 146-146
- Golds, 7.8 1977, hid Sec 12, 107-45.
- Gullmanner, J.-L., and C. Borech. 1986. Iz proc. satural et in protection de la serieur la Earthendra et antidisquerare su enforce frageed harmede, la primer, Taxue Des Garanes, "Antida by J-L. Dathwaret G. Contarior and N. Davis 2023/M. M. A. 8. 1010-000.
- Gunderson, L. 1982. Systal and sequent dynamics in the Dauglatic ecception and involutions for write delevation to Energiate Natural Park Ph. D., University of Ecoda-
- Halber, M.S. 1977; J. Annu. Test. 46, 425,434.

Holeson, N.G., F.E. Smith, L.F. Skitochin, 1940 Am No. 94 (121-127).

Mol. E.R., and S. Wille-R. 1947 (See: Research Mr. Mar. Mar. Mol. 1, 425-Handan, N. 1977. The American Metamber 1930. (Sectorsburg) holes. Hando I. 1985 Rodon M. Webb Hando, J. 1991, Rol. J. Long. Soc. 42: 12-38. Newedd DCD 1985 J Zeel Level Mit 196-196 Harcold, D.C.D. 7969 / Zorf, Loud. 377 133-145 Hermon, JL, 1949 Maler No. / 22, 179-179 Havigan J.A. 2029 Clustering Algorithms New York John Wiley & Song Neuralmith F 200 Rate of Series a London (Neurand Reed Heck, K.I., G. von Relle, and D. Sambarlaff, 1975 Easters pt. 1429-1444 Here de Belzec, H. 2176 Manusche 28 427-66.

Home de Inizac, H., and L. Beiher. 1967. Measurile 21. 126-129.

- Henderson, P.E. 1972. Montmals of the Endlands Matistud Monoment, South Delaws in Endnand Enpari No. 357 - Endlands Studies of Studie Manamal Explanation with Cartonecond and Change Sana , Solind by U. 5.1.2. Program Workshopson D.C.
- Hendrichs, H. 2073 Amorreel, adda 18, 227-295
- Hendrichs, H. 1977 Singsterk, Mot. 28 (215-225)
- Herming, D. 1946. ddlas of the Sorbare Heat Relater of the Contourns. Noted by W. Tattar Rollin, Coloridor Researcesper
- Hildstei, C.W., and D.W. Teylor. 2963. Control: Max. Falcont. Univ. Medigar. 16, 1-223
- Hill, G.F., N.F. Sinfay and Jr. 5 W. Saches 1994. <u>Hidson are by controposil</u> improves of Fains and Tendad Act Innue Roses. Thesia: Depresented of Zoningy and Weildle Science and the Xiahama Cooperative Fash and Weildle Science Lock Advance Depresenter.
- Fields, 51, 1975 The hords of Rep Arachaeses, 500 to 1220 meters of elevation.
- Holdsfdag, L.R. 1947 Science 139, 202.
- Haldinige, L.R., Greeke, M.C., Hattewoy, M.H., Luog, T., Teo, J.A. 1971 Earnist Environments in Trapped Life Zenes. & Pilot Study. Order, UK: Pargamon Press

Hidding, C. S. 1973. Annual Enviro of Ecology and Sustanator, 4, 1-21

- Holmay, C.S. 1980. Jonan muccle, fevel fevel, and reprinters. In <u>General</u> Inclutual, <u>Report PO228</u>, Milleri by J. M. 8 M. Mooray, N.L. Chammers, J.S. Johns, and W.A. Stenam. 445-464. USDA Ferrar Service.
- Holling, C. S. 1986. The renderson of invested scorptons: doub scopess and plots: charge in <u>Sustainable Development of the Receipter</u>, Kolon by W. C. Clark and R. B. Maree. 203 SIT. Condensing: Condensing University From.
- Holling, C.S. 1988. Merrors of the Enternalogical Society of Canada 146 20-30.
- Ballang, C.S. 1902a. The solv of fewer search in structuring the local continues. In A Spattern Analysis of the Cabled Sergin Found: Kined by 8.1. H.H. Steaper C.F. Fonna 170-171. Cambridge, England Combridge University Press.
- Holling, C 5 1992h End Mare 4210, MCA02.
- Holling, C.S., G. Poterson, F. Mergian, J. P. Serdcomer, K. Batdood, L. Garderson, and D. Landser. 1995. Soft-regulations: in sciences in long-a geneticity. Interface Conference on Computing Medical Changes and Tamatrick Ecologyanges, Edited by W. Frons and W. Steffers 366-306. Hollowere: Catribulate University Press.
- Holmes R.T., T.M. Sleevy, and R.W. Sterges 1986 Strington Monopuple, 56 (2), 201 220

Horses, T. 1984. Canadain Journal of Zinlouv 42 | 1742-1746

- Honterler, M. T. 1987. Arom holp-size change and the sequence of hords in neth-dependent limitscape structure or solucion debiasts Ph. D., University of Euclid.
- Hoher, B. 1973. Earliept dis psychologie de rangeres de Kanila (Etalgel) en 1956. Bible conferences Theory J. Cords. Data: Parce VI.

Philes, 8 1374 Estimated producting of analysis Monitolated on Netflexing Design Mont Wild T. M.S. Houseway of Manuals Marrie N. and P. Source 1981 Revisions Marriel, Taxart Harda, L. 1973, Fol. May. Ser. natur. Extension articlastics: Plana. Zanitasian Harbert NH 1871 Endow St. 197-080 Harton, N 1979 Am Ani, 183 (81-22) Name MA and DJ Defaults 1997 double 1998 are not Hatherine, G.E. 1994 An Ale 42 (27) 141-141 Holdswor, G.E., and E.H. MacArthan 1996 Am Not MILLI Own 127-129. Inv. E.A. 1985. Mercured palarese voluted to spatial structures in Manual Landscapes and Ecological Featureses, Robot by L.F.L. Horston and G. Merciam 15-109. New York: Chapters & Hull. Demos, S. L. and B. N. Tarmer, 1979, Enders, M. O. 1970, 2001

Johnic, J.M., P. Feinsinges, J.E. Swames. 1996. Crescretative durings 18 (1) 155-162.

Jones, F. C. 1970; Ecology 52 (D): 365-200

Inter, C. 1982. End. Rev., Cambrahar Phd. Sov. 87, 201-718

James PJ 205 Adverse 45, 205 NT

Implett, K. 1989. Weitige of Meetines: Yules: Natural Tech. In: Meeting: Yoldon National Ends Bencarry Description and Analysis Network Resource Concerning Section, Considered Parks Service, Proton and National Report, Weiterperg.

Johnson, D. E. 1931. Canadian Journal of Zoolooy 48. 2277-2279.

Jonne, 7 1986 The American Networks: \$25.00 \$23.029

Latery, 7 1996 Lockey 47-476

Refers, F. 1980. Ecology its dideput interest herey and expression as psychose solves in Perspectron. in Ecological Deccy., Educed by J. Konglegadee, K. M. Mey and S. A. Levis. 60-95. Processo. N.J., Ecological Content Party.

Kors J R. 1971 Evol Memory 48, 287-223.

Kern J.B., and K.E. Pressnark, 1989 Earlow 44, 1491.

Nets Fil. 1974 An Mil and The-292

Kerffman, S.A. 1991 So Am Award 75.8:

Randowas, B.A. 1990. The Occupies of Option Soli Opportantion and Solucion in Evolution. New York: Optional Discourses Press. Kontrar, L., and F.J. Rossowers: 1990 Endog George in Data. An Interfaction of Characteristic Markovichi Interfactoria da Anter-Ref. D. and J. Miller 1976. Constitut Instant of Parison M., 1978-1979. Kills, E. A., and A. F. Lane, 1993, Tay, 7 (5), 355-356. Knowley, M. 1971 Consider Journal of Zinkeys M. 1930-1935 Knupley, M. J. Nage, and H. Barnolds. 2006. Constant Journal of Zeology &n : Report, M. and J.F. England, 2003. A consideration of hole and dest and Neoporad Management for Medicipal manuals in <u>Advances</u> in Neoporad Manuscipry, Educity K. H. Endord and J. F. Burrherr,

Kinder, M. 1963. The Part of Late New York: John Wiley & Sonn.

- Kolon, J., and S.T.A. Peckerk. 1991. Endoped Historgeney: New York Springer-Verlag.
- Fripper, M., and R. Goger 1930 (dandrash.dor Chromologie Tel 1D Botto: Deritosper
- Karpenala, E. 1991. Acta Universitata Columnia Series A, Schulture Resum Naturalism No. 138 (Sologica No. 13), 71-74
- Review, B.P. 1985. Instead of Manual 44, 1294-229.
- Rowski, K. 1989. Mammals of the Barbers six. Algong percent commanders to G. Legerdry.
- Krobs, C., M. Geiner, B. Jaffer, J. Meyers, and R. Tamare, 1975. Science 379 3541.
- Kittin, C. J. 1966. Canadian Instead of Zoshow 48, 431,445
- Keele, C. 3, 1979 Fertudir Zoolney 25 (213) #1-77
- Krutter, J.R., Gastess, R.H., Suphers, G., Ubicli, R.V., Colaman, P.R. 1987 Oku: 40 221-28.
- Laborers, M. 1985 Annual James of Ecological Systems 20, 87-117.
- Lock D 2947 Damaga Justics Cardenige Confession Deservice Date
- Loude, R. 1507. Am Nor 130, 634-625.

AMPYON, R., and S.D. Alban 1996, Helevist Lodeny, 5 (201,201)

-08-

Lethers, B.K., and K.E. Radkiels 1953 Oktor 67 1-13.

Leader, G.Y. 7982 J. four that 97: 87.07

Lepder, C.V. 1990 Area Roy Zoil Sout 21, 217-562

Lassewick, W.K., and D. Mildwawa 1992. Steet-year Steppe (Depter 11): In Natural Genelands: Introduction, and Wastern Harmophate. Recognitions of the World RA, Edited by R. Coupling. New York, Elsevent.

LEMON, J.H. 1999 Child 35 (23-434)

Lewise, J.H. 1990. Philosophical Transactions of the Royal Society of London Series IF \$900.133-251

Londer Williams, N., and C. Raisette, 1982, Milaretic Endow, 8, 281-288.

Lephine, G. 1989. Mincher Greekenscheftlicht Ablandungen. Zule A. Gelege und Philesbirgs 18 1 2426

Lehmont, U., and S. Halle, 1987 Chemical 71 | \$75-876

Lensen, C.A., and M.L. Resenances. 2078. Octobers. 30: 127-135

Levi, P. C. 1966. Tendro In Engenery and Managing of Hildlife Holene . Edited by A. Y. Cooperador B.). Toyal, and H.R. Hunter, Elli Manhangton, D.C. U.S. Depertment of the Engine. Europe of Land Management.

Leopold, A. 2535. Gana Management, New York, Sordney,

Level 5 A 1992 Kolevy 73 Hit 1943-0947

- Levis, S.A., and R.T. Force. 1978. Precedings: National Academic of Science 155, 471 (2004) 2017
- Lewy, P. 1993. Campleony New York Macoulas.
- Lowes, J. K. 1970. The generated hope: A synthesis of structure and function local: Delastic Marc University.
- Lewis J K. 1972. Campenhanelys services are description. Coloratoral Cranitancia None U.S. Basinguid Program. Technical Report No. 26
- LLC and M.) Apps 1996 Entryout Modeling 47 143-251
- Labeley, M. 2988, Journal of Managahara 48 (2) 225-228
- Leth, H. 1977. The physiological circopean in productivity studies. Broards -Ecology and Conservation -
- Lieb, H., and E. Box 1972. Experimentation and primery predictedly. C.N. Threefforgy: Meansul Indust: In Program In Solicital Topics in Chamilings, Kinel by J. R. Maller Hares, New Jensey, CW. Threefforging Automatic
- Lindgron, E. B. Publissens, S. Scherer, E. Erkeners, and K. Heikam. 2003. Ann Zahleys Tensors 195, 21-25.
- Landsteds, M., and M. Boros, 1984. Am Mar 128 (27) 275.
- Lepter, M.M. 1980 Dasign Sensitivity: Standard Foren for Departmental Emerged, Theorem Cale Colsterns Supervisionants, Inc.
- Linvellyn, R. L. and C. B. Petersen. 2016 Diambanos of samplificent and implicit in: Comp Measurem. A first of Gap Analysis Education with Aremoni Network Comp. Meetings. Key Large, Founda: sponsored by the U.S. Pols and Wahling Service.

Lowery, G.H. 1976. The Maxmuch of Logistica and in Adjacent Walcon Labelence E 100 deserve National 111 19-10 Ladacia D. R. Pilbarn, and C. Waham. 1973. Science 468, 17-6 M. Ladwig, J.A., and J.P. Reynolds. 1988. <u>Statistical Engings: A Primer on Methods</u> and Committee: New York, J. Wiley & Sym. Mechethur, S.H., H. Rocher, and M.L. Cody. Yolid: American Networket 100 Macforald, D. 2010 The Encyclopedia of Mammala New York City Addresseds Oxford Located MacDorold, S., and C. Elhow 2016 The Moreviet 48, 48

Mahor, N.J. 20N. <u>Basic E. Averlances of the Motador area</u>. Consider Committee for the International Religion Program. The Materiae Provest. Technical Record No. 50

- Malazim, J. R., and R. J. Brucks. 1981 Canades Journal of Ecology 99: 1109-1108.
- Makeler, S. R. and B. J. Brycks. 1985. Cenation Journal of Zoology 45 1487 1989.
- Millory, J. F., J. R. Ellot, and R. J. Booka. 2981. Canadase Journal of Boology 30:129-102.
- Manifelioret, E.E. 1983. The Friend Geometry of Mature. New York, New York, W. H. Treeman, W. H. Treeman,
- Maxiey, 3 FJ 206 Multivasan Instantal Methods: A Primer Lordon Chapman and Holl

Manley, 3.71 1956 Emloy 77 10-46

Maxhodil, K. 1993 Merey 342, 145-152.

Herris, M.A. 1985a. Microsoft factor of particulations and the Great Associate Intercharge. In 22th Easter Associate. Books Intercharge - Mareed by F.G. Siethin and S.D. Weilde. 4016-520. Date: York: Disease Press.

Manu, M.A., M.R. Wiley, and T.E. Lacher & 1980b. J. Reprogr. 32: 57-69

Methanes, G. 1984 Wherey 2 (7) 420-435

Marrie, H.V.F. 2003. Import of feer on the Terps of Southeacons Manhala on ar-Milly reprinters, and robust to resource annu Massar's Thesas The University of Manualia Martin, L.D. 1910. Food indexy of the devision? Concerne In Carganage Infection, Emicoge, and Enclosure. Minor hyp. L. Gollorsen 558-558. IMARC Convol. Wavemain: Press.

Meeters, S.A., 121 Brown, and R.D.Baglar 1992. Environment 46:00 100-102

Master, E.A. and J.H. Brown 1998, Garlow 49, 1925-29.

Moy, R.M. 2018. The dynamics and diversity of summ frames. In <u>Disconstry of East-Thumps</u>. Edited by L. A. M. a N. Wolodl. 201-204. Cambridge Mon. Theorem Ulaborator Passa.

Man. E.M. 2098 Ecology 67 1115-1126.

Mar. B.M. 2001 Scorey Ball (Million)

- McMoo, J.K., and D.A. Elebanese. 2019. Notice found educateday or applicable assignment. In Dir. Suphereds Ecosystem: A Symposium, 50– 61, Legan, Units. Unit State University.
- McDole, L.A., K.S. Bawe, H.A. Huspenheide, and G.S. Hanshawi. 2008 La. Schw. Ecology and catanal hump, al. a motiopauli cancherat. Oversp. The University of Chicago Press.
- McReastery, T. 1988. Bools of Parlimetions: Fourier, Calorido: Robert Rischert, Inc.
- Melsenek, R.P. 1985 The Encloyment of Ecology New York: Cambridge University Press

MeNA, N.K. 1947 Avr. Not. 47: 123-142

MiNames, FJ, FM, Nelsend, and C.S. Holling. 1518. Researcher an Psychology 83, 285-289

McNaughter, 53, 8.W. Klassa, and 8.W. Sengle. 2009. Reficience 38 (11) 299-802

Melelin, E. 2012. Community endrys and constructors of manuals as a muon traped transform and strandard specialized fields. In D., University of Ecolog.

Meetingenes, V. 1878, Endow M. 905-972

Meentemaster, W. 1964. Ann. Anny, Am. Cover. 34. 551-60.

Merrison, EC 1929. Days Cold Public and Days Good \$1. \$29,929.

Monata, J. 1984 Annah of Concept Mascum 53 \$27-567

Messer, F. 1947 Cenation Instand of Zodovy 68: 11-41

Miltek, S., and W. Fulley. 1981. Consider Journal of Zeology 39: 3225-3285

Miles & 1185 And Math County IV 45-76

Mission, X 1959 Mins Just we So, out Belging 28 Min. 1981 1-1977

Missione X 1965 Exploration du Parc National de la Kapper, în plan, Fair, J., Regional Broaches Kohlini des Parts Nationnes du Congo et du Escuid.

Manihanes, M., and D. A. Welek. 2014. Annual Zoology Jeanus: 22. 41-52. Manue, J.S. J., and P.A. Keddy. 1989. Variantes: 29. 104-206. form F1 200 Oder 54 145-55

- Morra, M.S. 1992 <u>Competition interaction interactions linear</u>. Grandmark: Finance U.S. International Reference Program. Technical Report No. 27.
- Moree, D.B., N.E. Stuck, and J.H. Lawton. 1988 Europint Entroping 33 28-37.
- Marso, D.R., J.H. Lawson, M.M. Docksen, and M.H. Williamacc. 2165 Nature 394 (2):0730
- Merice, E. S. 1990 The American Networks 129 (2) 245-223
- Marton, S.R. 1910 Prevalues Ecological Security of Australia 18 (201-213)
- Mullon, N. P. 2997 American Networks; 141 (2) 125-125
- Noribos, M.P., and J.L. Lookowood. 2012. Bushelmany Testers 4 45-85.
- Mealton, M.P., and R.L. Post. 2007 Evolutionary Environ 1 : 115-124
- Marsher E.C. 1983 Evolution 98.022, 1022-1086
- Methorpet, 5 1960 Olice 44 (2) 264-267
- Numar, R. J. 1998, Indicate M (20) 780-53.
- Normer, I.M., E. Rowald, and J. Reende. 1991. Cristian Journal of Zeology 49, 2276 (200).

- Newsk, E. M. 1951. Walkers Manuals of the World Falsmann. The Johns Heplans University Press
- O'Neil, R.Y., D.S. DeAngelo, J.B. Wede, TJFM: Alice. 1996. A Bartershead Georget at Ecosystam Edited by R. M. May Presseen Princeton University Trans.
- O'MdT, E.V., J.B. Kruannal, R.H. Coalaev, G. Suphers, and S. Jockson. 2988 Landscope Ecol. 2, 153–162.
- D'Neil, K.V., 51 Turner, V.J. Cullman, D.P. Collo, T. Caok, M. Cooley, J. Brant, J.M. Thomas, M.R. Caoloy, and J. Gasa. 1991. Londocyv Zarlegy 57(5): 125-164

Oceanbaras, S. M., and Thabarrell, K. 1983, Arriv: 55 (1), 55,29

Oram, G., B.T. Pane. 2003. Concerptat evolution at the community level In Concellance, Infend by M.S. D.J. Parayama 433-09. Senderland, Memorylanetty, Statuset Association.

Orana, G.H. 1985 Environ 50, 785-801

Owen, J.G. 1988 Zoolegy 49 (114)-1145

Owen, R.A., and M.T. Mpore 1972 Commun. Journal of Zentrary &d. 483-713

Tune, KT 1998, Am Me 300, 55-75.

Prine, K.T., and S.A. Leren, 1911 Zerlany Measurable 31 (10)-129

Folse, KT, and S.A. Levin, 1981. Gol. Musser 31, 165-28

Perfort, G. 1981. Catalogy Journal of Eastern M. 1970-1983.

Packat, K. 1989 Assender # (0119-32)

- Parker, T.A., H., A.H. Covey, B.B. Toster, L.H. Emmons, and K. J.V. Toward 1983. The Londond Day Fronts of Socie Cruz, Inform. A gabbal memorylate paperby. Conservation International, Weshington, D.C. Ref. Workston Faster 4.
- Pasker, T.A., H. and S. Selley. 1991. A Mological assessment of the Abu Medial argues and adjacent strated Northwest Billion Conservative International, Machington. DC: EAP Working Frames. 1
- Prelor, T.A., B., and J.L. Corr. 1992. Status of Jonest remeasure as the Cantiflatus de la Capita and advorter tenso of Southwaveren Toxadar. Conservation Introductual, Washington, D.C. RAT Working From 2.
- Parks Coreada: 1979. Lincard annual of bad species of the Wand Bullston National Park, Alberta, Cacady, Ottowa, Revigiarment Canada
- Furie-Caneda 1991. Last and pattern of maximal species of the Printe Albert Natural Ford, Stabaldzeven, Caneda Ottowi, Ervisionment Conside
- Partming 1, 1574 Mattery NY, 275-576.
- Torter, L. E. J. Naiman, B. Dewey, and F. McKener. 1988. Participan: 28 (11) 270,270
- Tatton, J.L., B. Berlev, et al. K. Berlev, 1982. Alorgoust preparations of a maximal ecomparity in Amazirus New Jonabalay and orbitative pulsives merge the Agreement Jones in Manazaham, Balangera, an Anal-Amazaham, Edited by M. A. Manus and H. H. Conserveys 111-128 Type: Tech. Typestamina Lab. (2014)
- Prym. C. H. 1977. Methow sained durbandry: A load we for Nucleur Methods. Masters Taxis: University of Meetings.

Parent T. E. 1974. Comparation and end of interdantal children man assessed Permanenth C1 and NC Wine 20th Charlows 48, 204-204 Prop. F. and G. Basse, 2027 Constitut Journal of Zashow Mc. 1003-1107 Perm C.A. and A. Wattiker. 1991 Fullets of the British Onside locale Parase 1.4 and Y Anders 1996, Ern some Zool 45, 195,455 Parente M.N. 1979 Acta Themplottes 28 (23) 201-218 Dame Dia 1995 TREE man Arrant Tates, 8, 24, 282, The Residenced Intelligences of Back Size, Combusiness Trenton, R.O., K.E. Press and K.M. Divlay, 1951 Science, 818-1956, 1917 Printer, FS. E.F. Lethan, and R.A. Nanashaum, 1989 Constrain Scores of Enforce 64 101-018 Peter, F. and R. Pussi 2963 Column dr Le Mahole Plane 3 120,222

Phillips, John A. 1981. Cenadiza Intend of Zachew 58 456-871.

- Freeks, E.R. 1967 Eastery 48 (1) 103-101
- Fissio, & R. 1974. Explationary Xeelogie New York: Harper & Row-
- Protin, E.R. 1976 Competition and safe decay in <u>Theoretical Nucleurs</u> proceeding and applications, Johnst by R. May 134-349 Phylodelybus Decaders.

Poleit, N. J. Koleos, and C. G. Joner. 1954. Ecological <u>Understanding</u>. The Metane of Theory and the Theory of Nittary. Son Deeps, California. Academic Trans.

Travel STA 189, An Inc 114 107179

- Public STA 1983 Jul Terry Art Club 207 (20-0)
- Polest STA, and P.S. Multer 1985 The Stationy of Named Distortions and Table Dynamics. New York Academic Press.

Parlos, B. C. 1979 Dispergraphy New York, New York, Men Wiley and Sense

- Pite G. C. 1998. Grass body composition on Alaskan and impersion come manuals. Alaskan Art Command, Arrise Aeromotical Laboratory, Lofd As Four Ease Technical Nam AdJ, 75:0058, France 8 70550
- Furter, D.K., and E.A. Ryder. 2014. Axian datasets and patolacterapy atomics information on the Externer and an 2022. Creation of Human Informational Reduced Program. Technical Supervisor. 2021.

Parsing, F.W. 1962, Evolution 45, 145-255, 413-430.

Pros. M. V. 1986, Amer. Zool. 28, 21-49.

- Price, M.V., and J.H. Brown. 1983. Great Room Halar, Mon. 7 , 117-156
- Prodet, W. 1968 Mersenaha 33 (2) 172-241
- Prort, W.O., Br. 1947. Thatsouth Annual Report to Jinurds of the Targa Easingsed Section. Department of Zoology, University of Identified
- Patalola, M. E. Kalinda. M. Soportu, and Joida Salo. 1993. Journal of Engroyeerity 39 (2014)5
- Pullan, R 1965 Av Nor 332 602-641
- Pallass R. H., and J. J. Darasless. 2011 The American National INT (Supplement). 2014.
- Pulleminer, E. S. Salkeve, Q. Existence H. Henkare, and E. Lindgers. 1983 App. Zarlenza Jonary 179, 15-16
- Educ, U., and A. Christmennes 1945 Max vay Afr. cmir., for and, 198-1-53
- Ealls, K. 1876 The Quarterla Review of Endersy \$1 Quart) 265-276
- Kalph, C.J., and M. Scatt 1985. Entereting Numbers of Devenand Reals in Realing on Acting Parlings, 6, Congress Owedlookspord Society.
- Essentences, C. 1998. The Lide Deepes at Places and Statistical First Geography Solated by A. G. Tavaley, Oxford, USI Classified Press.

Envirohach II, 1978, Knotor 14, 135,744.

Excended, 11, 1955 Ann Traver Mac 34, 131-054

Berm, C.A. 1993. The effects of few and other disturbances on small memorials and their availances, in messaged lablography. USDN Jones Service. Ress. MJ. 7987 The Allowetty of Growth ser-

Roimpo, C., L.M. Renghi, and P. Margles. 2007. Drugsnovan look in /regrowth interferent memory location induces plants: and locate neuro tetreheter in Tooppal Parent Restanding. Molecular Memory and Canadianation of Reparational Companying Memorysis of Onespopania.

Robert W.E. 1975 / Park Rev. 52 (0) 1349-1311

Soldah, K.E. 1987, Source 1981 (102) 771

690

- Rover, S. 1971. Emilyp. of the mostlyn role, Microbia Terrapizational Devenantse, on the Marth of New Dany Jay, Nepfoundhead Convint Ph. D. Desertation, University of Manada.
- Ruby, M D, and W Thatliel 1982 Canadian Journal of Zerbyy 40 2225-2226
- Boldwar, C.S. 13, Senset, R.S. Grannberg, and S. Donago. 1981 From Mult. Acad. Sci. 155, 66 (2005) 2002.
- Robus, M.B., III T.A. Pasies, and S.E. Alex. 295(Netherpool Conductors, Conductors of Managements 34, 195-232.
- Robertson, J.G., and K. H. Redlord 1966 Ave. Nat. 128 (N 1962 642
- Robinson, J.G., and K.H. Relford 1989. Advenues as Montropool Meaningly. \$67.594
- Resigner, A. R., and M. C. Lewis. 1986. Constant journal of Zoology 44. 1988. 2009.
- Empty, A.R. 1987, Endstow 43 (417-426)
- Ronselver, H. C. 1994 Chair: Analysis for Researching London. Nutrienerty.
- Score, U. 2997 Complians (parent) of Zoology 44 1982 And.
- Responses, M.L. 1998, Amer. No. 102 17 To.
- Roundowsy, MJ, 1977. Correctors and descury as informated material in Robustnesses and participation of the Standard and C. Farman, 89-99. Lindow Marcellan.

Returning ML 108 Catasardy approaches from 66 pairs infol adams for Diameteria al contrasting in advantage and a structure of the structure of the structure investigation of the structure of the structure

Rowan, M., and L. B. Reets. 1979. [cornel of Manasolegy 38 (3): 122-225

Borkle, J.R. 2981 Lodgey 62 (196)-56.

Sodicit, R.M.F.S. 1982 Consider Journal of Zoology 58 1342-1354

Saular, S.-S., and H. Harparod. 1985 Falcomy Robert & 135,156.

- Stecher, M.A.Y., and M.A.R. Closes. 2007. Bengra, do In Reading Manage Acades, Selva Laundence: Incodeparation pairs in Conservation Mercor: Fublications Reported Readers
- SAS instance, for 1989 SASS/STAT Lines's Conder, Beinner All arthur, Cory, North Cerebras, SAS Sciences, Inc.
- Saner, J.R., S. Denega. 2092. Geoportus policies on prepublicity canada of Networked segments on New Networks in Enclose and conservations of Machingsoft augusts included. Edited by J.K.H. J. vo. D.W. Information 20-12 Machinesiss. DOI: 70.0706/0000001.10000000.

Seatt, J.R., and N. A. Slade 1987 Ann. Jury of Ecol Soc 18, 71-92.

Start, J. R. and Norman A. Stade. 1997. Lorinzy 66 (31: 642-650

- Schimper, A.F.M. 1903. Elect Congrupty Upon a Physiological Basis. Oxford Convertion Press
- Schleter, D., and R.E. Rockisti. 1993. Conceptuo: and the repond composent of species above programming. In: <u>Reconceptual Communities</u>, <u>Hadronical and Geographical Programming</u>, Relief My R. F. Eschlett and D. Schlater. 2016. Concept. <u>Horspectromy</u>, R. Hadron, Proc.
- Schwalt-Neber, K. 1991 Scalag, Why is Astroni Site, So Important' Combridge, UK Combridge University Pass
- Science, O.J., and D.N. Lawerse. 1997 Internal of Alasemia 48 (2), 12-01.
- Schoener, T W 1974 Somer 165-27-30
- Schoener, T. M. 1942. American Scientific 76: 586-585.
- Subsenses, T.W. 2181, Am. 204, 122, 242-65
- Scholm, J.R. 1994. Contril: Polenti. Comple Just. Historytes, Publ. 497 13-225
- Schütz, E.S., and D.S. McGen. 7070. Consider refers and charafferbergs at aviolism is the hospin-people of scatterer physics. In <u>Engineering and Benders of Structures Advers</u>. J: Monogeneous Disclosed Biologica M. Löhnel V.M. M. J. A. Mengar and A. C. v. Benggen. 28 52, The Hague Dis. N. Jank, W. P. Moharen.
- Schwarghemer, 7: 2981 Crossher Javred of Falt Assail: Sciour 36 (125)-1263

- Sool J.M. F. Devis, & Cratt, R. Now, E. Battaniaki, C. Greves, H. Ardenson, S. Gress, F. D'Erkla, T.C. Jr. Islovaski, J. Ultreas, and R.G. Weglat. 2993 [MMIN] Missenantis 123 1-33.
- Station, K.F. and Chever, B.S. 1985 / Menoy W. 1994-1984
- Selawder, R.K. 2022. Scrall addresses and absorptions in londs. In Second Selection and the Descent of Marc 10221021 (Below by 8 Cambril 140-200 Outraps. Addres Publishing Computer
- Sharpe, D.M. 1975 Hidded: of manage pressay production of regions. In Termine Tendencies of the Assignment. We been by H. Lach and R. H. Weitteker, New York, Sciencer Works.
- Descenth M, 2018 Annal representers of replic and accellent coving Originalist Coverage 75: 10 Descention, Discussion of Marcola
- Short, J., and F. Tamar. 1994, Conservation Richard & (2) (20,442
- Shapet, H. H., R. Lewson, and C. B. Benze. 1952. A systemic analysis of the Gabial Barrail Jourge Conductor: Conductor University Press.
- Structs, S.A., and D.V. Denzie. 2016 Unitedy Biological Sciences 288 (1-4) 823-825
- Stream, 5.5 1962 Marghelegent and endogeni characteristics of sheres, et the most methods lands of their range. Academy of borrow, USS, Unit Alliante, Restaur of Dalayz.
- Swg, C.H. 1993. Ender Meannen suspers woodlands. Yest Round uring: Billetigi. USDA Perest Service. Research Paper RAVIDE
- Silvines, L. 1982, Arty Zerlager Jessey 248, 210

Shva, M., and J.A. Downing. 1995. Chr. Handbeck at Maximatics Body Masses. Boot Eaton. Foreila. CN: Press. Silverman, 5 W 2965 Density Instantion for Statistics and Data Analysis Measurable or Statistics and Analysis Exclusions I and an Operation Saman, N.A. 1962. Per Jour. Hul. Soc. 186. arXia01 Siron, II.A. 1973 The Organization of Complex Systems in Marrieds Theory, Claudian M. M. Paras, A.W. New York, and Marrieds formers GG 2016 Set Zool 18, 1975. Skacland, T. 1996 Journal of striffelt merconnect 59 (2) 214-225 Sefe, N., end H. Levenago. 1914. Theoretical Psychology Bit (3) (31)-Stable ML, and GN Class 1977 American Productors 71, 191-202 Serith, T.B., R.K. Wares, D.J. Girman, and M.W. Brahasi, 1987 Research 104 Service, J. E. and J. A. Bassanche 1987. Constant Instruct of Zaciery 45, 161-124

Some M.P 1878 Engloy 64 1228-1288

Steels, 131 2005, Mahoy 335, 995, 956

Stephenaux, All 1977 Consists Journal of Zoology 55 [30] 1577-2514.

Stott, P. 1884. Phylory of Departments in <u>Bacaron and Linkas Department</u>, indexed by J. A. Taylor. 804. Totows, New Jensey Extense and Notice Reads.

Sedmen, S., M.G. Schut, and C.D. Carvas. 1988 Science 348 913-995

- Sulkeys, S., F. Stileners, K. Heckers, E. Lindgers, and E. Pullannas. 2013 Acta Zoologues Transer 105 (2)-25.
- Sochast, R. 1996 Acta Theoritagies 33 (11) 135-146
- Test I 7072 Area Zuel Desson # 116-112
- THE GHI HIS hid do not be the on states
- Toyler, J. A. 1956 Biogeography: Boost advances and future directory. Tetrors, New Jointy Eases and Noble Tools,

Tenhangh J 1983 Proc bel Orachel Court 17 963-141

- Terbrigh J 2002 Scientific American Mar. 18-104
- Tesborgh, J., 9K. Robinson. HI T.A. Patler, C.A. Huno, and N. Porpose. 1910 Lindquist Mesography. 64 (2): 233-226
- Thebrery, J.F. 2076 Con J. Zool 56, 1245-1256

- Theolley, 1 1996 Journal of Travian Lotingy 39 440-451
- Bonn, J., D.W. Wesser, and L.W. Ony. 1953. <u>Earline of Innoc State Park.</u> <u>Object participation</u>: Minimum Department of Natural Resources, Division of Parks and Recommon.
- Doministate CN 1958 Ground for M(I) 85:64
- TOWN, D. 1992. Baseness competition and community structure. NJ: Princeton University Press.
- Tempiervi, J., M. Mergunez, K. Farne, N. Koskanez, and H. Laskaanen. 2042 Activity acoust. 23: 403-404.
- Tower, KL. 1972. Prevaid services and second selectors. In Second Interim. and the Descent of Mar. 157(a)8721. Edited by 9 Cambrid 196-79. Chemp. Althus Editiona Company.
- Tatter, J.E.G. C.M. Carbone and C.A. Deny, 207 OBOS 48, 105-205
- Terrer, N.G., Rasher, C.L. 1988 Lendow Rol. 1. 20141
- Tawar, M. G. 1989. Ann. Ter. Lol. Spr. 30: 171-157.
- Terrer, M.G., Gardner, R.H., Dale, V.H., and O'Nod.; R.V. 1989 Outer 58 321-329
- Udwardy M, D P 7979 <u>Actautionize of the hopeographics previous al</u> <u>Branchill</u> Coldernia Sont University, Sociemente, California, International Union for Conservation of Nature and Nature Revenues

Underwood, C.G. 1982 7 Zuel 196, 185-205

- UNESCO 1578 World, Khier Enlarger and Where Ensurement of the Earth Edited by V.L.e. & Konney, Studies and Reports at Hydrology Parm UNESCO press.
- Uther, N.F. 1991. Holton: attacture and the design of nation reasons: In Hildstat Structure, The glopsian Learningment of shipsts property. Folsect by S. S. Bell, E. D. McCoy and H. R. Machanaly, 373-90. New York, Channels and Hull.
- Valuetds, J.A. 1964 Tawy et Vie 113 121-136
- Valverde, J.A. 1967. Monographics & in Existence Italigues de Douana 1. 5-129.
- una Geldes, E. G. 2003. <u>Manunula al che Natural Parka</u> Beltonove Johns-Hapitan Ucaversity Press
- Van Volen, L.M. 1873, Joshahan 37, 25,05
- ven Zell de konz, C.G. 1974. Conschen Journal of Zaviera M.: 543-172
- Valuer, M. 1961. Journal of Degrography 8,30 253-267
- Verweil, G J 1978 Baggaggadg and adaptation. Extense of maging hits Construints: Magnetometry Placeard Licensenty Press
- Vessikares, J. 1969. <u>Employment de Part Netronal de la Kepure. 2 e arme, Part, L. contrabution à Encologie des productionalities</u>. *Provellos Inst. des Trans Neternan de Congo et de Rosada.*
- Verschurze, L. and Meester I 1977 Measuals: 42 201-209
- Vency-OrtaGenald, D.F. 7054. Transmatic Notes and Recently 61, 42-22

- Veron, S., J. Vallelo, N. Buckan, and J.M. Toul. 2010. J Exp. Mar. Rol. Lot. 29 205
- Vision, M.A., D.C. Hacisett, T.J. Euck, and H.M. Scaffe 1983. American Moderal Networks: 129 30-38
- Voor, R. S., and L. H. Downows. 1989. <u>Macmunilan downeys an incompany</u> looking a machinesis. a preliminary assessment. The American Missesse of Natural Distory.
- Malewsiele, P.C. 1977 J. Zod 213 263-267
- Mazweight, P. C. 1994. Executed anythelogy as a role on ecological memory. In: <u>Ecological Marginalogy</u>. Island by P. C. W. a S. M. Berly, M7. Chaoga: University of Occupy Press.
- Manweight, S.A., Bage, M.D., Carrey, J.D., Goalant, J.M. 1975 Mechanical Design in Operations London Edward Areads
- Hallan B.H., D. Ludarg, C.S. Bollerg, and R.M. Petermon 2009 (narral of Energy 45, 475-460
- Maltha, N., and J. Keinen. 2016. Proceedings National Academy of Science 39: 1082-1088.
- Werning, E. 2009. Questings of Flama. An Introduction to the Study of Flama Communication Transiend by Groom, P. and Bellow, ED. Colored, UK. Classification Previo.

Waves, P.H. and J.H. Lewiss, 2987. Octologie 74 221-235.

Wellers, M.G., KJ. Hadam, and P.LJ. Furgey. 1911. Constant Journal of Zoology 49: 1652-1653. Weikers W.G. B.J. Holson, and P.L.J. Pagey. 1991. Canadian Journal of Wolster, E. 1971 Journal of the International Association of Medicinetical Whicher, A. D., and J. K. Detling. 1996. Budgerup. 26 (11): 229-295 Whittiker, H., and W.A. Nierlag, 1975 And 56, 275-60 Mires, J.A. 1974. Credit: 76 : 365-680 Watta, LA. 1963 Arran community resilings: An and Yark: Cambridge University Press. Were, 7.8. 1586. On understanding a non-equilibrium unstil. Much and 1.7.A. 1584. On constraining a tor-spaceware were seen early in community patients and private in <u>Ecological</u> Communities, Compiled Issues, and Zeidener, Adres by D. K. S. Jr., D.

Wares, J.A., Neersels, N.C., Ven Harme, B. and Inn. R.A. 1995 Unive 64 Non-53 Wenn, LA. 2015. Londroper munice and activized deoxy. In <u>Manage</u> <u>Landscapes and Environment Processors</u>, 84 Avol by L. P. Lement Hierarce and Gaty Marvian. 137. London, Chapman & Hall.

Wore J.A., and J.T. Retenberry 1981. Lot Mussey, 31 22

Ware, 1 and 17 Room

berry 1980 Zol Minor 50 (E. 267-308

Midwaherz, LF 2783 Logitor 61, 143

Minght, D.H. 1963 (URD) 41 496-506

Ninght, D.H. 2900. Ambor 19: 105-164

Wright, N.A., and A.W. Barley. 1982. Ever Enginet: United States and Southern Cample New York: Wiley & Son

Yoldolow A H 1978. Xazahility of Manmala New Debit Americal Pub Co Tri Ltd.

Zeule Bans, and Peter Pfinder 1993 Frivet Science 37 (5): 1223-1248

Zimmerman, J.L. 1945 Pranty Maturality 17 (8) 185 192

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## EXCRAPHICAL REPORT

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