species_bio

Autogenerated data summary from dataMaid

2017-08-28

Part 1

Data cleaning summary

The dataset examined has the following dimensions:

Feature	Result
Number of rows	215
Number of variables	15

Checks performed

The following variable checks were performed, depending on the data type of each variable:

	character	factor	labelled	numeric	integer	logical	Date
Identify miscoded missing values	×	×	×	×	×		
Identify prefixed and suffixed whitespace	×	×	×				
Identify levels with < 6 obs.	×	×	×				
Identify case issues	×	×	×				
Identify misclassified numeric or integer variables	×	×	×				
Identify outliers				×	×		×

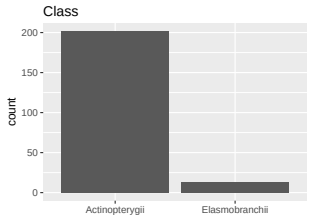
Please note that all numerical values in the following have been rounded to 2 decimals.

Part 2

Variable list

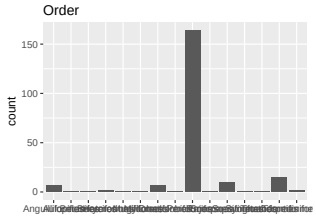
Class

Feature	Result
Variable type	character
Number of missing obs.	0 (0 %)
Number of unique values	2
Mode	“Actinopterygii”



Order

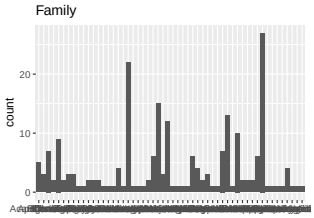
Feature	Result
Variable type	character
Number of missing obs.	0 (0 %)
Number of unique values	15
Mode	“Perciformes”



- Note that the following levels have at most five observations: "Aulopiformes", "Beloniformes", "Beryciformes", "Heterodontiformes", "Mugiliformes", "Orectolobiformes", "Rajiformes", "Squatiniformes", "Syngnathiformes", "Torpediniformes".

Family

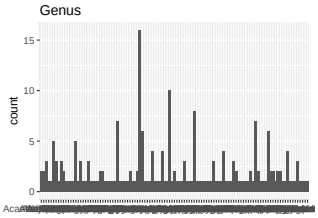
Feature	Result
Variable type	character
Number of missing obs.	0 (0 %)
Number of unique values	54
Mode	“Serranidae”



- Note that the following levels have at most five observations: "Acanthuridae", "Apogonidae", "Blenniidae", "Chaenopsidae", "Chaetodontidae", "Cirrhitidae", "Congridae", "Cottidae", "Dasyatidae", "Diodontidae", "Embiotocidae", "Fistulariidae", "Gerreidae", "Ginglymostomatidae", "Gobiidae", "Grammatidae", "Hemiramphidae", "Heterodontidae", "Hexagrammidae", "Holocentridae", "Labrisomidae", "Malacanthidae", "Monacanthidae", "Mugilidae", "Mullidae", "Myliobatidae", "Narcinidae", "Opistognathidae", "Ostraciidae", "Polyprionidae", "Rhinobatidae", "Sciaenidae", "Scombridae", "Scorpaenidae", "Sparidae", "Sphyraenidae", "Squatinidae", "Synodontidae", "Tetraodontidae", "Tripterygiidae", "Urotrygonidae", "Zanclidae".

Genus

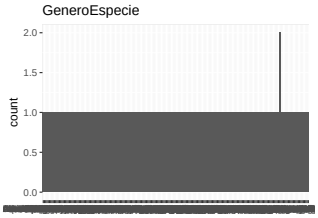
Feature	Result
Variable type	character
Number of missing obs.	0 (0 %)
Number of unique values	109
Mode	“Haemulon”



- Note that the following levels have at most five observations: "Abudefduf", "Acanthemblemaria", "Acanthurus", "Aetobatus", "Alphestes", "Anisotremus", "Apogon", "Arothron", "Balistes", "Bodianus", "Calamus", "Cantherhines", "Canthidermis", "Canthigaster", "Caranx", "Caulolatilus", "Cephalopholis", "Chaetodon", "Cheilotrema", "Chromis", "Cirrhitichthys", "Cirrhitus", "Coryphopterus", "Crocodilichthys", "Dasyatis", "Diodon", "Diplobatis", "Echidna", "Elacatinus", "Elagatis", "Embiotoca", "Fistularia", "Forcipiger", "Gerres", "Ginglymostoma", "Girella", "Gramma", "Gymnomuraena", "Gymnothorax", "Hemiramphus", "Heteroconger", "Heterodontus", "Holacanthus", "Hoplopagrus", "Hypsypops", "Johnrandallia", "Kyphosus", "Labrisomus", "Lachnolaimus", "Lythrypnus", "Malacoctenus", "Manta", "Melichthys", "Microlepidotus", "Microspathodon", "Mugil", "Mulloidichthys", "Muraena", "Myliobatis", "Myripristis", "Narcine", "Nicholsina", "Ocyurus", "Ophioblennius", "Ophiodon", "Opistognathus", "Ostracion", "Oxycirrhites", "Oxyjulis", "Paralabrax", "Paranthias", "Pareques", "Plagiotremus", "Pomacanthus", "Prionurus", "Pseudobalistes", "Pterois", "Rhacochilus", "Rhinobatos", "Rhinoptera", "Rypticus", "Sargocentron", "Scomberomorus", "Scorpaena", "Scorpaenichthys", "Scuticaria", "Semicossyphus", "Seriola", "Serranus", "Sparisoma", "Sphoeroides", "Sphyraena", "Squatina", "Stegastes", "Stereolepis", "Sufflamen", "Synodus", "Thalassoma", "Tigrigobius", "Trachinotus", "Urobatis", "Zanclus".

GeneroEspecie

Feature	Result
Variable type	character
Number of missing obs.	0 (0 %)
Number of unique values	214
Mode	“Semicossyphus pulcher”



- Note that the following levels have at most five observations: "Abudefduf saxatilis", "Abudefduf troschelii", "Acanthemblemaria crockeri", "Acanthemblemaria hancocki", "Acanthurus nigricans", "Acanthurus triostegus", "Acanthurus xanthopterus", "Aetobatus narinari", "Alphestes immaculatus", "Anisotremus davidsonii", "Anisotremus interruptus", "Anisotremus surinamensis", "Anisotremus taeniatus", "Anisotremus virginicus", "Apogon dovii", "Apogon pacificus", "Apogon retrosella", "Arothron meleagris", "Balistes capriscus", "Balistes polylepis", "Balistes vetula", "Bodianus diplotaenia", "Bodianus rufus", "Calamus brachysomus", "Cantherhines dumerilii", "Canthidermis sufflamen", "Canthigaster punctatissima", "Caranx bartholomaei", "Caranx caballus", "Caranx crysos", "Caranx latus", "Caranx ruber", "Caulolatilus princeps", "Cephalopholis cruentata", "Cephalopholis fulva", "Cephalopholis panamensis", "Chaetodon humeralis", "Cheilotrema saturnum", "Chromis atrilobata", "Chromis limbaughi", "Chromis punctipinnis", "Cirrhitichthys oxycephalus", "Cirrhitus rivulatus", "Coryphopterus urospilus", "Crocodilichthys gracilis", "Dasyatis americana", "Dasyatis dipterura", "Diodon holocanthus", "Diodon hystrix", "Diplobatis ommata", "Echidna nebulosa", "Elacatinus puncticulatus", "Elagatis bipinnulata", "Embiotoca jacksoni", "Epinephelus adscensionis", "Epinephelus analogus", "Epinephelus guttatus", "Epinephelus itajara", "Epinephelus labriformis", "Epinephelus morio", "Epinephelus striatus", "Fistularia commersonii", "Forcipiger flavissimus", "Gerres cinereus", "Ginglymostoma cirratum", "Girella nigricans", "Girella simplicidens", "Gramma loreto", "Gymnomuraena zebra", "Gymnothorax castaneus", "Gymnothorax dovii", "Haemulon album", "Haemulon aurolineatum", "Haemulon carbonarium", "Haemulon chrysargyreum", "Haemulon flaviguttatum", "Haemulon flavolineatum", "Haemulon macrostomum", "Haemulon maculicauda", "Haemulon melanurum", "Haemulon parra", "Haemulon plumierii", "Haemulon sciurus", "Haemulon scudderii", "Haemulon sexfasciatum", "Haemulon steindachneri", "Haemulon striatum", "Halichoeres chierchiae", "Halichoeres dispilus", "Halichoeres melanotis", "Halichoeres nicholsi", "Halichoeres notospilus", "Halichoeres semicinctus", "Hemiramphus saltator", "Heteroconger digueti", "Heterodontus francisci", "Holacanthus ciliaris", "Holacanthus clarionensis", "Holacanthus passer", "Holacanthus tricolor", "Hoplopagrus guentherii", "Hypsypops rubicundus", "Johnrandallia nigrirostris", "Kyphosus analogus", "Kyphosus azureus", "Kyphosus elegans", "Kyphosus ocyurus", "Labrisomus xanti", "Lachnolaimus maximus", "Lutjanus analis", "Lutjanus apodus", "Lutjanus argentiventris", "Lutjanus cyanopterus", "Lutjanus griseus", "Lutjanus jocu", "Lutjanus mahogoni", "Lutjanus novemfasciatus", "Lutjanus synagris", "Lutjanus viridis", "Lythrypnus dalli", "Malacoctenus ebisui", "Malacoctenus margaritae", "Manta birostris", "Melichthys niger", "Microlepidotus inornatus", "Microspathodon bairdii", "Microspathodon chrysurus", "Microspathodon dorsalis", "Mugil curema", "Mulloidichthys dentatus", "Muraena lentiginosa", "Mycteroperca bonaci", "Mycteroperca interstitialis", "Mycteroperca jordani", "Mycteroperca phenax", "Mycteroperca prionura", "Mycteroperca rosacea", "Mycteroperca tigris", "Mycteroperca xenarcha", "Myliobatis californica", "Myripristis leiognathus", "Narcine entemedor", "Nicholsina denticulata", "Ocyurus chrysurus", "Ophioblennius steindachneri", "Ophiodon elongatus", "Opistognathus mexicanus", "Opistognathus punctatus", "Opistognathus rosenblatti", "Ostracion meleagris", "Oxycirrhites typus", "Oxyjulis californica", "Paralabrax auroguttatus", "Paralabrax clathratus", "Paralabrax maculatofasciatus", "Paralabrax nebulifer", "Paranthias colonus", "Pareques fuscovittatus", "Plagiotremus azaleus", "Pomacanthus arcuatus", "Pomacanthus paru", "Pomacanthus zonipectus", "Prionurus laticlavius", "Prionurus punctatus", "Pseudobalistes naufragium", "Pterois volitans", "Rhacochilus vacca", "Rhinobatos productus", "Rhinoptera steindachneri", "Rypticus bicolor", "Rypticus nigripinnis", "Sargocentron suborbitale", "Scarus coelestinus", "Scarus coeruleus", "Scarus compressus", "Scarus ghobban", "Scarus perrico", "Scarus rubroviolaceus", "Scarus vetula", "Scomberomorus regalis", "Scomberomorus sierra", "Scorpaena mystes", "Scorpaenichthys marmoratus",

"Scuticaria tigrina", "Sebastes auriculatus", "Sebastes carnatus", "Sebastes chrysomelas", "Sebastes flavidus", "Sebastes rastrelliger", "Sebastes serranoides", "Semicossyphus pulcher", "Seriola lalandi", "Seriola rivoliana", "Serranus psittacinus", "Sparisoma aurofrenatum", "Sparisoma viride", "Sphoeroides annulatus", "Sphoeroides lobatus", "Sphyraena barracuda", "Squatina californica", "Stegastes acapulcoensis", "Stegastes flavilatus", "Stegastes leucorus", "Stegastes rectifraenum", "Stereolepis gigas", "Sufflamen verres", "Synodus lacertinus", "Thalassoma bifasciatum", "Thalassoma grammaticum", "Thalassoma lucasanum", "Tigrigobius limbaughi", "Trachinotus rhodopus", "Urobatis concentricus", "Zanclus cornutus".

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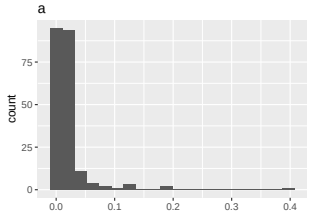
a

Feature	Result
Variable type	numeric
Number of missing obs.	2 (0.93 %)
Number of unique values	179
Median	0.01
1st and 3rd quartiles	0; 0.02
Min. and max.	0; 0.4



- Note that the following possible outlier values were detected: "0.05", "0.05", "0.06", "0.07", "0.07", "0.08", "0.1", "0.13", "0.13", "0.13", "0.2", "0.4".

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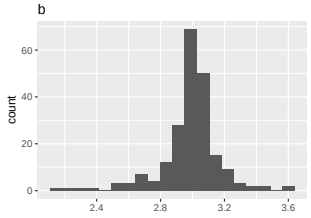
b

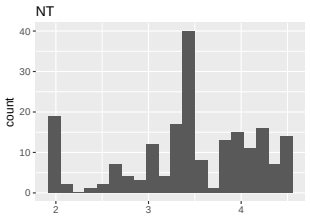
Feature	Result
Variable type	numeric
Number of missing obs.	2 (0.93 %)
Number of unique values	144
Median	3
1st and 3rd quartiles	2.92; 3.07
Min. and max.	2.16; 3.61



- Note that the following possible outlier values were detected: "2.16", "2.24", "2.28", "2.4", "2.5", "2.5", "2.6", "2.61", "2.63", "3.21", "3.21", "3.22", "3.25", "3.27", "3.27", "3.31", "3.36", "3.39", "3.42", "3.43", "3.61".

NT

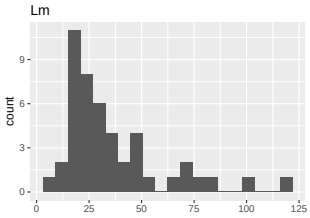
Feature	Result
Variable type	numeric
Number of missing obs.	19 (8.84 %)
Number of unique values	68
Median	3.5
1st and 3rd quartiles	3.1; 4
Min. and max.	2; 4.51



- Note that the following possible outlier values were detected: "2", "2.01", "2.02", "2.03".

Lm

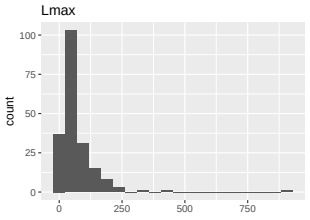
Feature	Result
Variable type	numeric
Number of missing obs.	169 (78.6 %)
Number of unique values	45
Median	29.16
1st and 3rd quartiles	19.96; 44.89
Min. and max.	7.5; 120.5



- Note that the following possible outlier values were detected: "7.5".

Lmax

Feature	Result
Variable type	numeric
Number of missing obs.	15 (6.98 %)
Number of unique values	107
Median	50
1st and 3rd quartiles	28; 84.5
Min. and max.	3.33; 910



- Note that the following possible outlier values were detected: "330", "430", "910".

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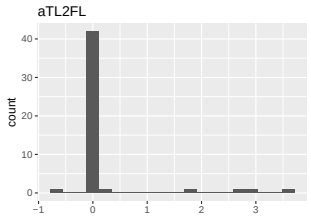
aTL2FL

Feature	Result
Variable type	numeric
Number of missing obs.	167 (77.67 %)
Number of unique values	7
Median	0
1st and 3rd quartiles	0; 0
Min. and max.	-0.64; 3.64



- Note that the following possible outlier values were detected: "-0.64", "0.32", "1.77", "2.71", "2.97", "3.64".

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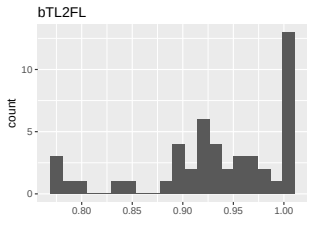
bTL2FL

Feature	Result
Variable type	numeric
Number of missing obs.	167 (77.67 %)
Number of unique values	33
Median	0.94
1st and 3rd quartiles	0.9; 1
Min. and max.	0.77; 1



- Note that the following possible outlier values were detected: "0.77", "0.78", "0.78", "0.79".

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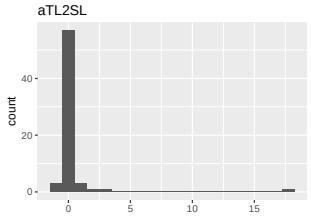
aTL2SL

Feature	Result
Variable type	numeric
Number of missing obs.	149 (69.3 %)
Number of unique values	12
Median	0
1st and 3rd quartiles	0; 0
Min. and max.	-1.06; 17.7



- Note that the following possible outlier values were detected: "-1.06", "-1.03", "-0.54", "-0.16", "0.02", "0.56", "0.87", "0.93", "1.59", "2.73", "17.7".

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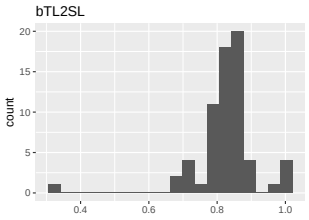
bTL2SL

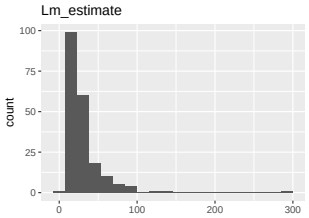
Feature	Result
Variable type	numeric
Number of missing obs.	149 (69.3 %)
Number of unique values	63
Median	0.84
1st and 3rd quartiles	0.8; 0.86
Min. and max.	0.32; 1



- Note that the following possible outlier values were detected: "0.32", "0.98", "0.99", "1", "1".

Lm_estimate

Feature	Result
Variable type	numeric
Number of missing obs.	15 (6.98 %)
Number of unique values	135
Median	22.86
1st and 3rd quartiles	16.1; 34.12
Min. and max.	7.5; 300.04



- Note that the following possible outlier values were detected: "7.5", "8.19", "8.57", "120.5", "145.53", "300.04".

This report was created by dataMaid v0.9.2.