

Body size trends in fossil tortoises

paleoTS Plot with the following bins (for fossil taxa):

```
## Warning in bind_rows(x, .id): binding character and factor vector,
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```

bin	n
(0,1e-06]	234
(1e-06,0.0117]	10
(0.0117,0.126]	12
(0.126,0.781]	4
(0.781,2.59]	24
(2.59,3.6]	13
(3.6,5.33]	15
(5.33,11.6]	16

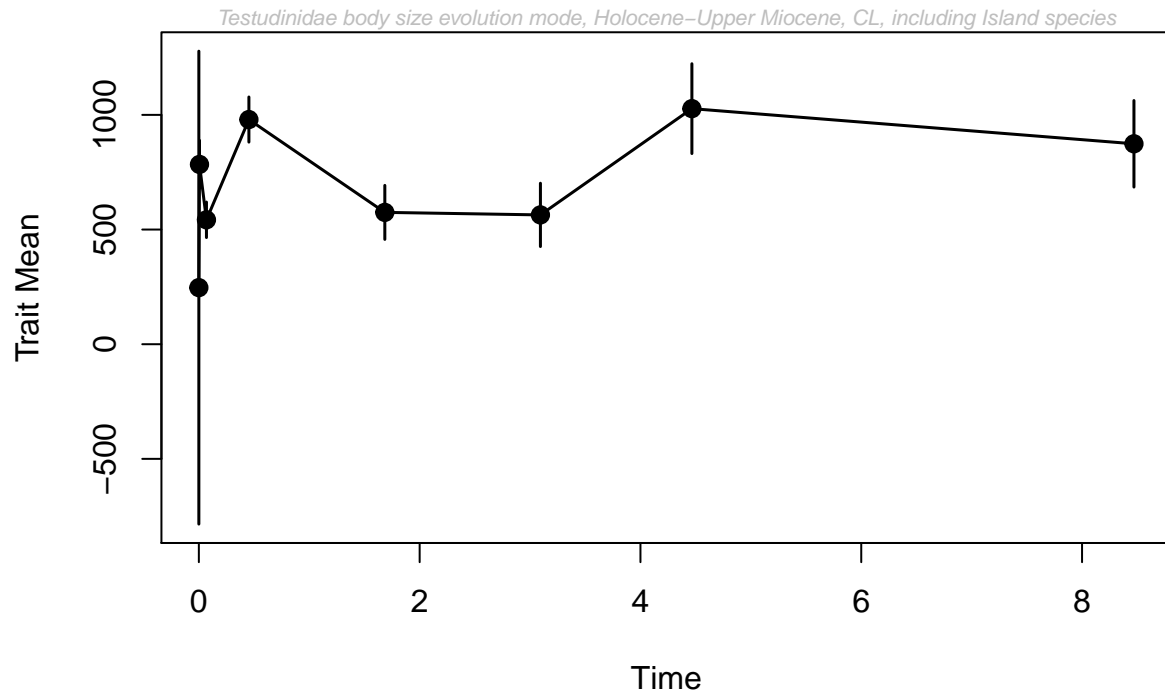
bin	EpochBins	MeanBins
(0,1e-06]	Modern	0.0000005
(1e-06,0.0117]	Holocene	0.0058500
(0.0117,0.126]	Upper Pleistocene	0.0688500
(0.126,0.781]	Middle Pleistocene	0.4535000
(0.781,2.59]	Lower Pleistocene	1.6845000
(2.59,3.6]	Upper Pliocene	3.0940000
(3.6,5.33]	Lower Pliocene	4.4660000
(5.33,11.6]	Upper Miocene	8.4700000

including Island species (n=2051)

paleoTS object (mm= mean CL, nn = sample size, vv = variance (CL), tt = Age):

mm	nn	vv	tt
246.7213	1962	2.085874e+09	0.0000005
784.0000	9	9.923200e+04	0.0058500
542.4800	12	7.186028e+04	0.0688500
979.6667	3	2.904033e+04	0.4535000
574.8409	22	3.048720e+05	1.6845000
563.8583	12	2.288335e+05	3.0940000
1027.2667	15	5.753904e+05	4.4660000

mm	nn	vv	tt
873.9312	16	5.695508e+05	8.4700000



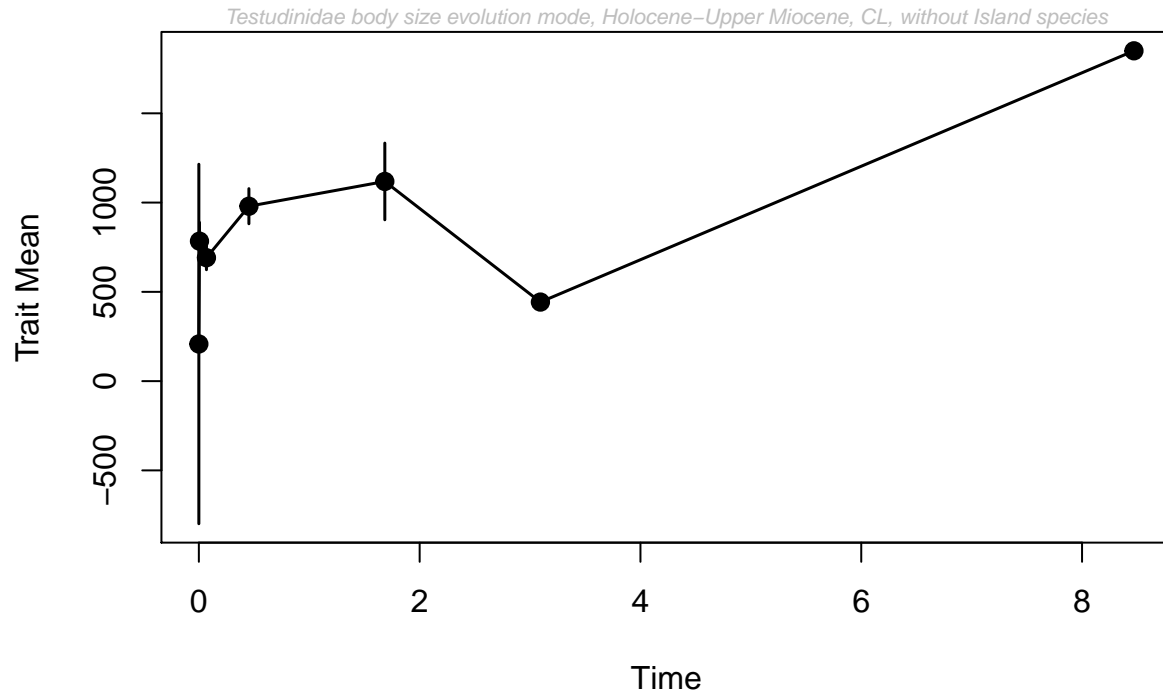
```
##
## Comparing 3 models [n = 7, method = AD]
##
##          logL K      AICc Akaike.wt
## GRW      -55.52189 2 118.0438         0
## URW      -57.85527 1 118.5105         0
## Stasis   -46.77517 2 100.5503         1
```

	logL	K	AICc	Akaike.wt
GRW	-55.52189	2	118.0438	0
URW	-57.85527	1	118.5105	0
Stasis	-46.77517	2	100.5503	1

Excluding Island species (n= 1735)

mm	nn	vv	tt
208.0755	1703	1.725832e+09	0.0000005
784.0000	9	9.923200e+04	0.0058500
691.1250	8	3.611984e+04	0.0688500

	mm	nn	vv	tt
	979.6667	3	2.904033e+04	0.4535000
	1118.2857	7	3.228806e+05	1.6845000
	442.7500	4	4.049167e+02	3.0940000
	1850.0000	1	0.000000e+00	8.4700000



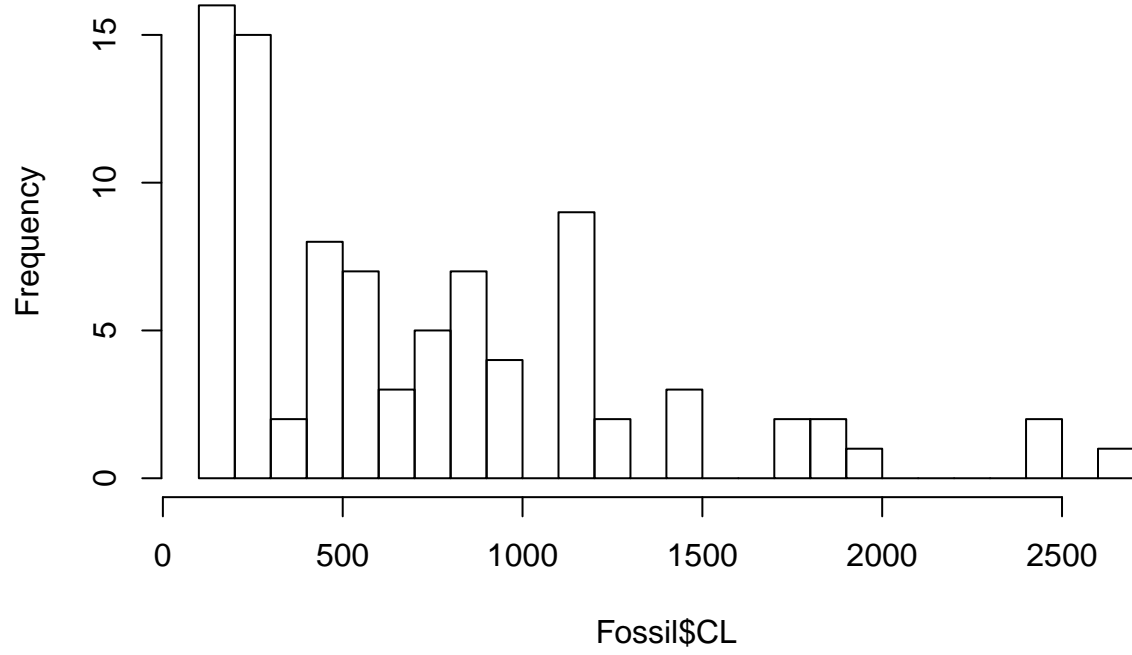
```
##
## Comparing 3 models [n = 6, method = AD]
##
##          logL K      AICc Akaike.wt
## GRW      -49.07288 2 106.1458    0.063
## URW      -52.20350 1 107.4070    0.034
## Stasis   -46.41756 2 100.8351    0.903
```

	logL	K	AICc	Akaike.wt
GRW	-49.07288	2	106.1458	0.063
URW	-52.20350	1	107.4070	0.034
Stasis	-46.41756	2	100.8351	0.903

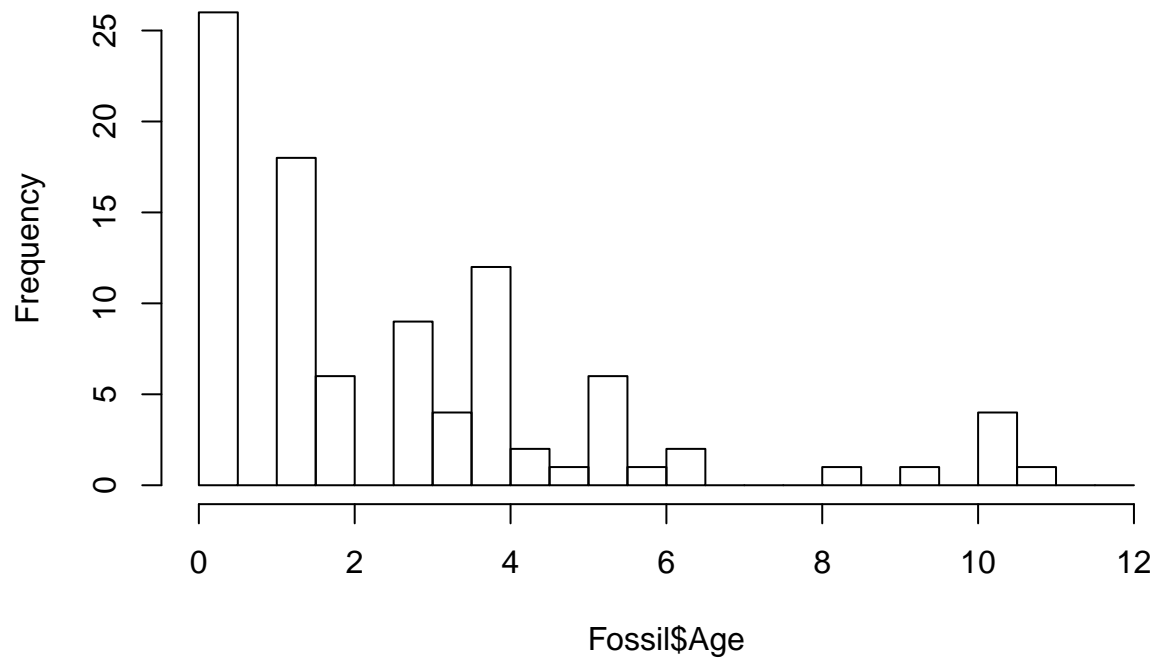
Histograms

Frequency of body size data and distribution over time

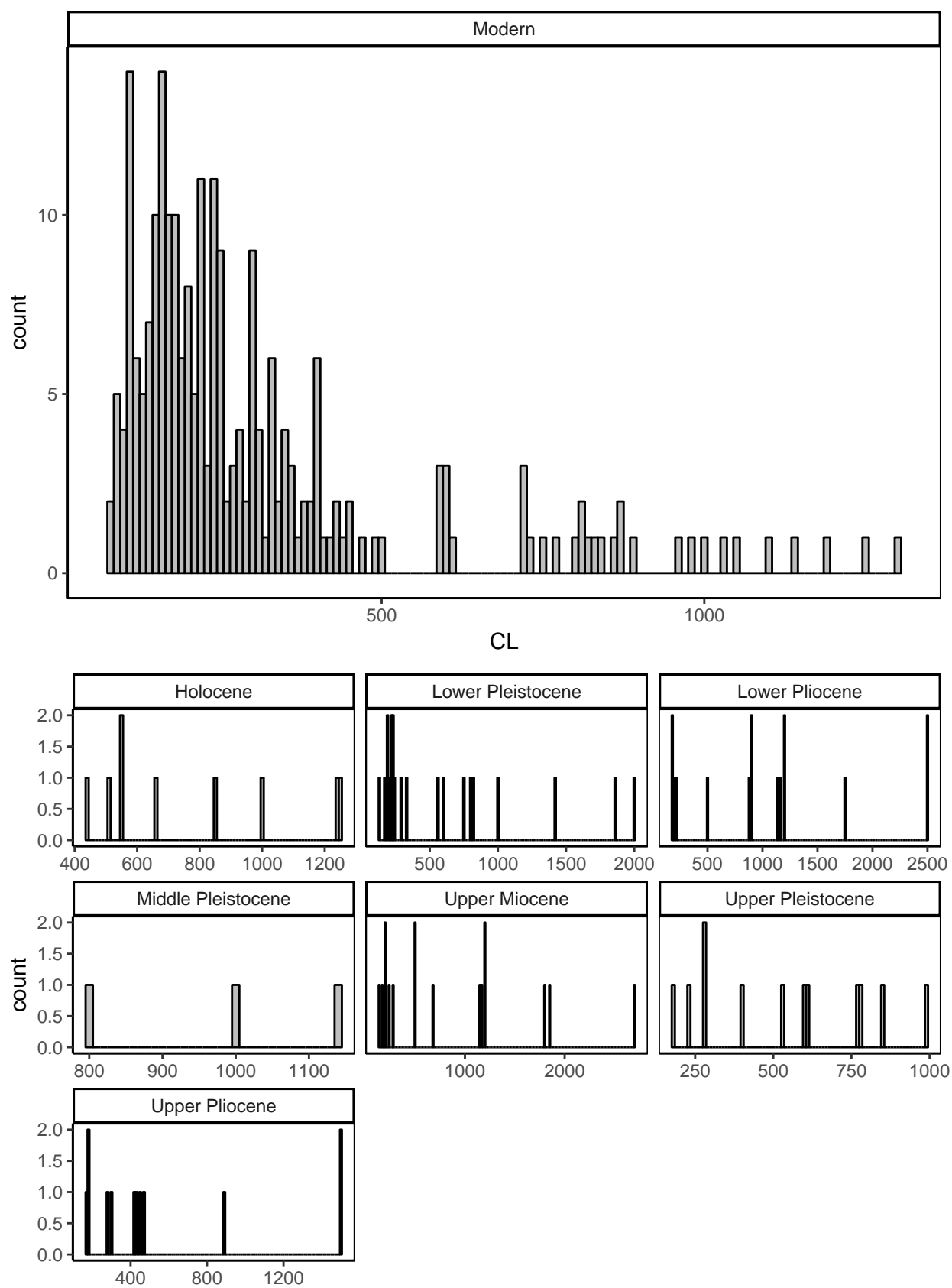
Histogram of Fossil\$CL



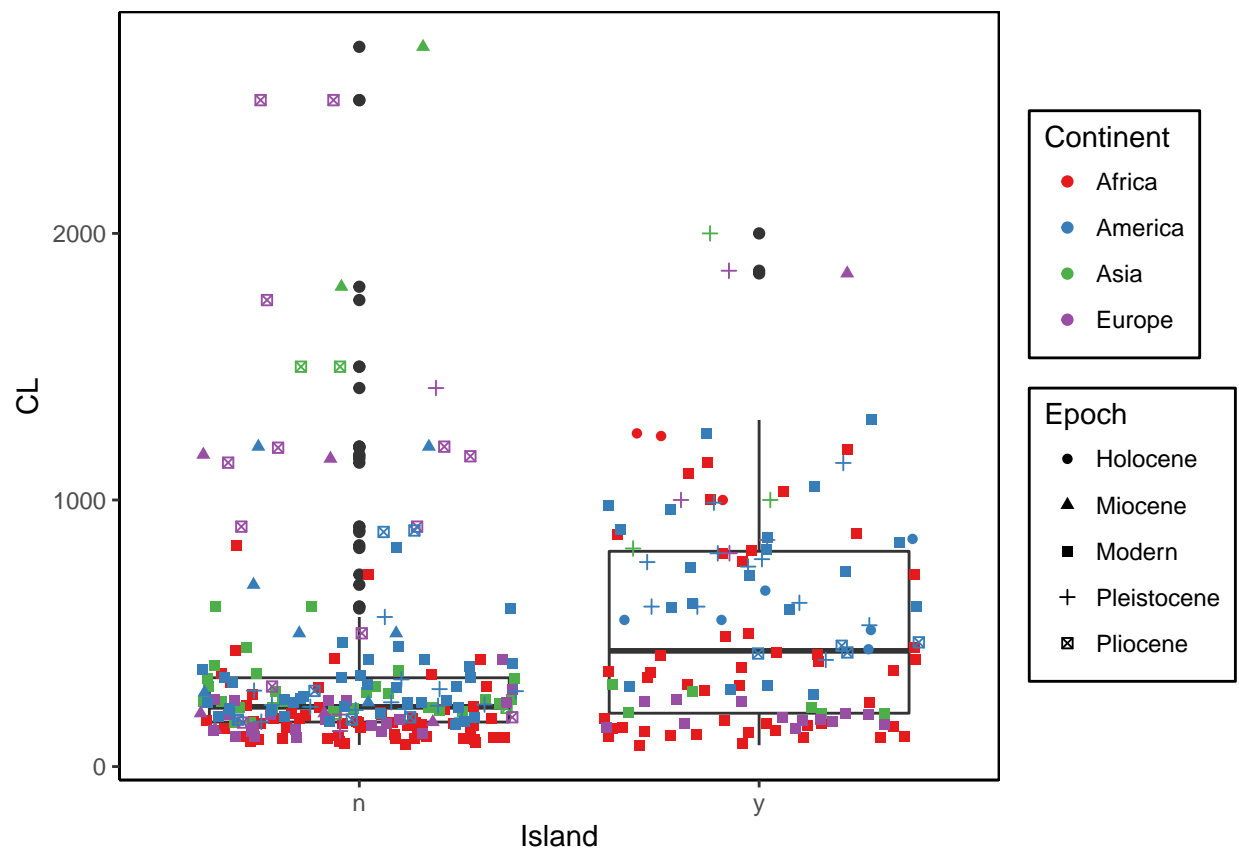
Histogram of Fossil\$Age

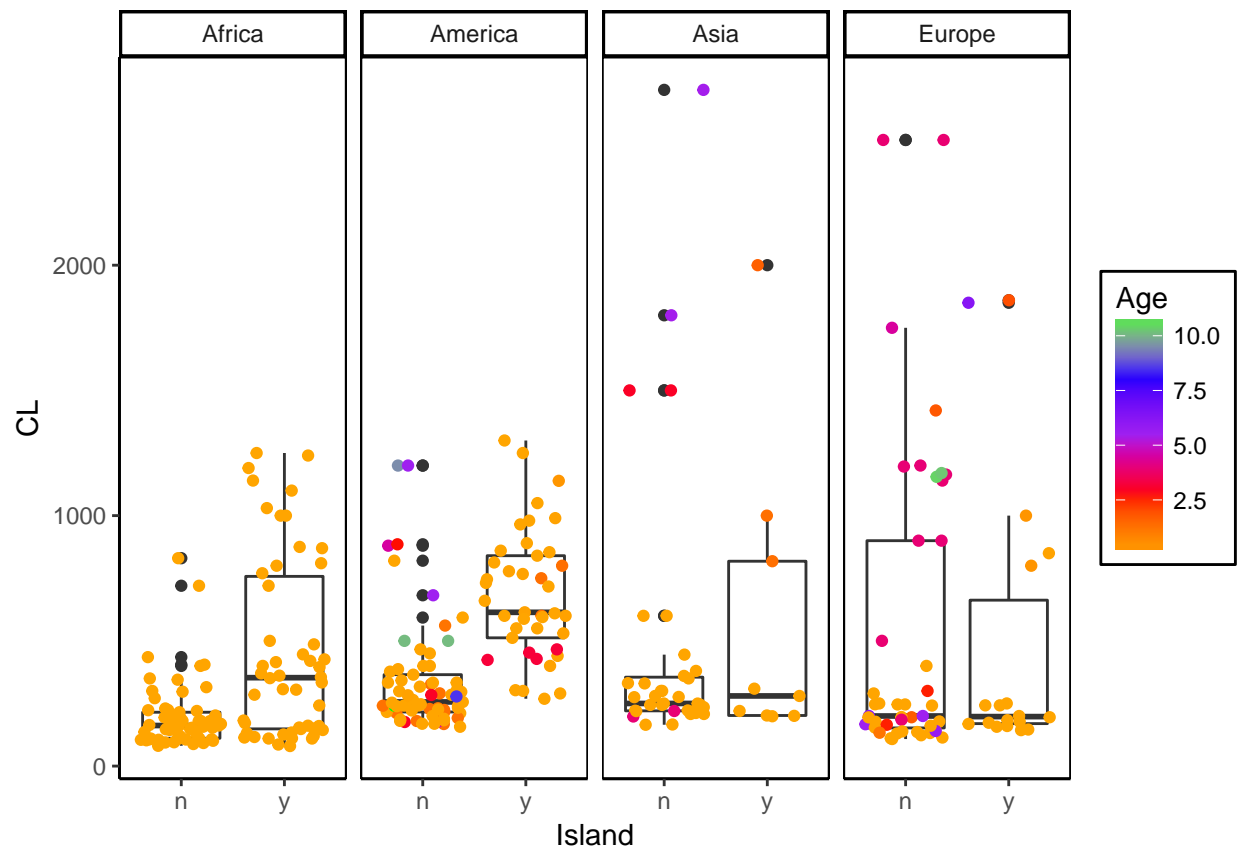


CL histogram per bin

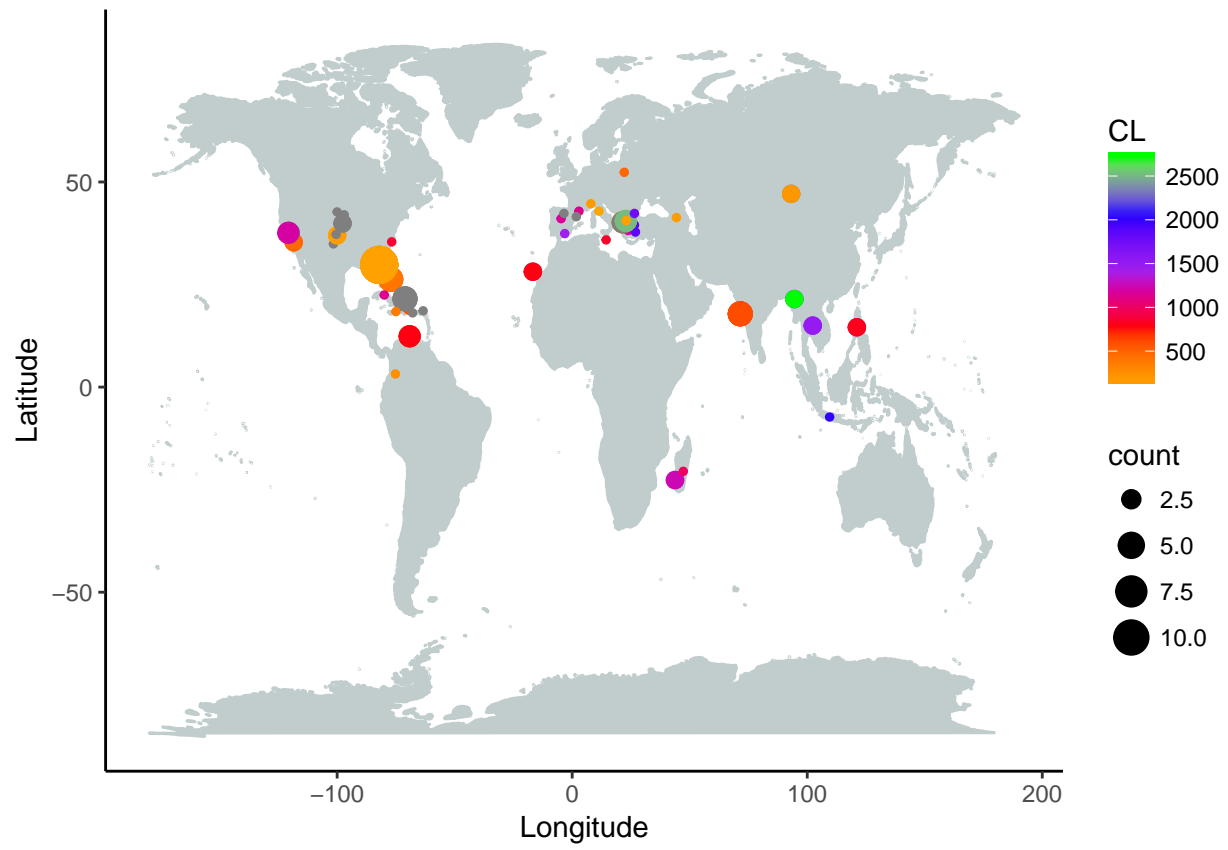


Boxplots (continental (n) vs. Island (y) species)



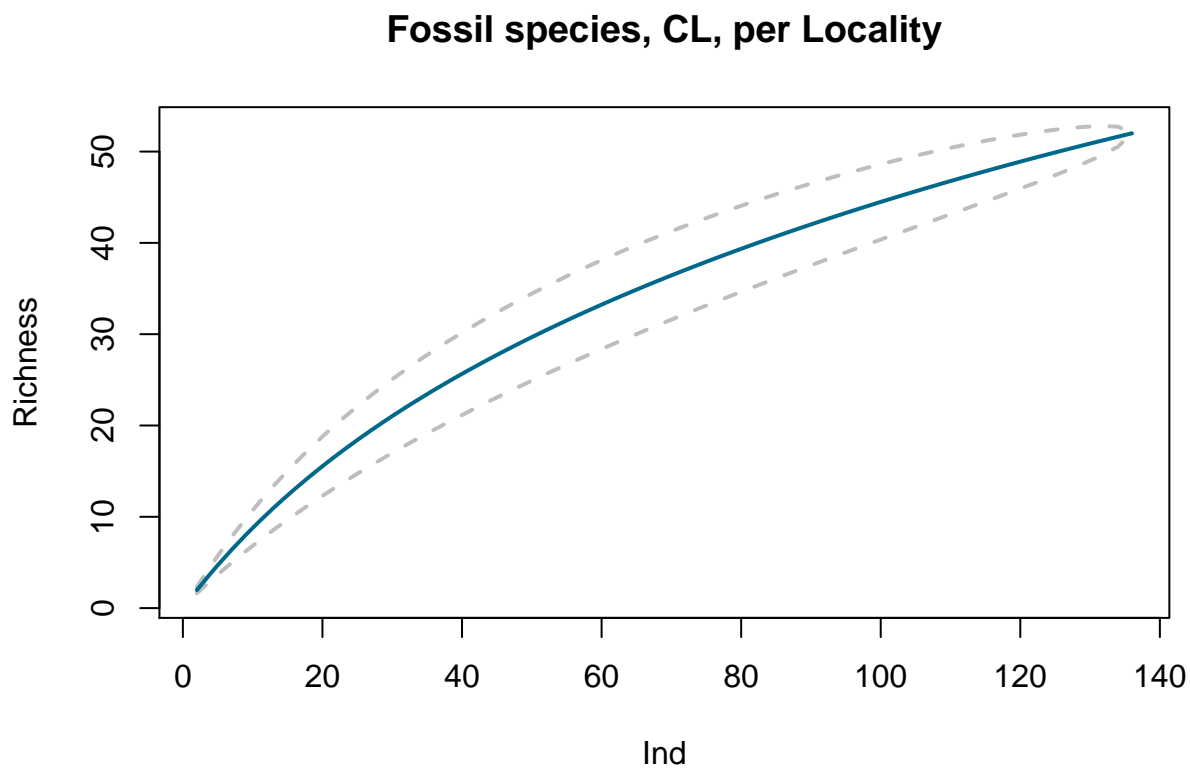


Map

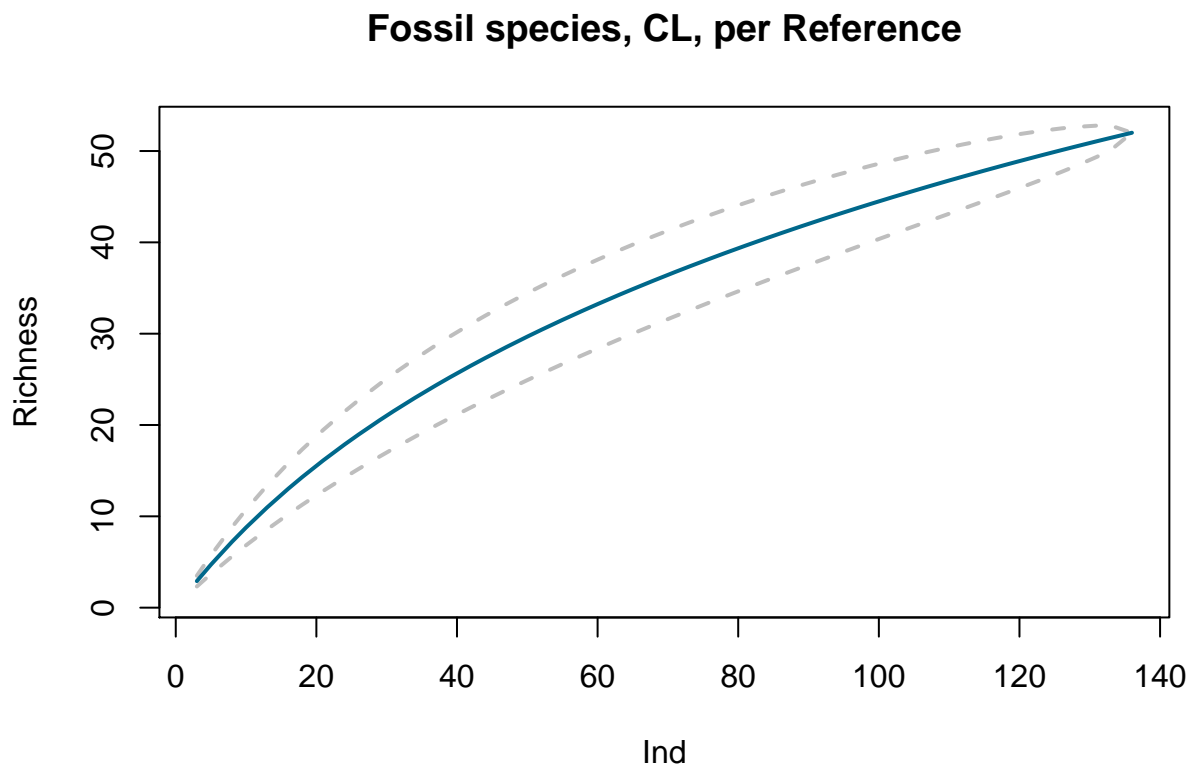


Species Accumulation Curve

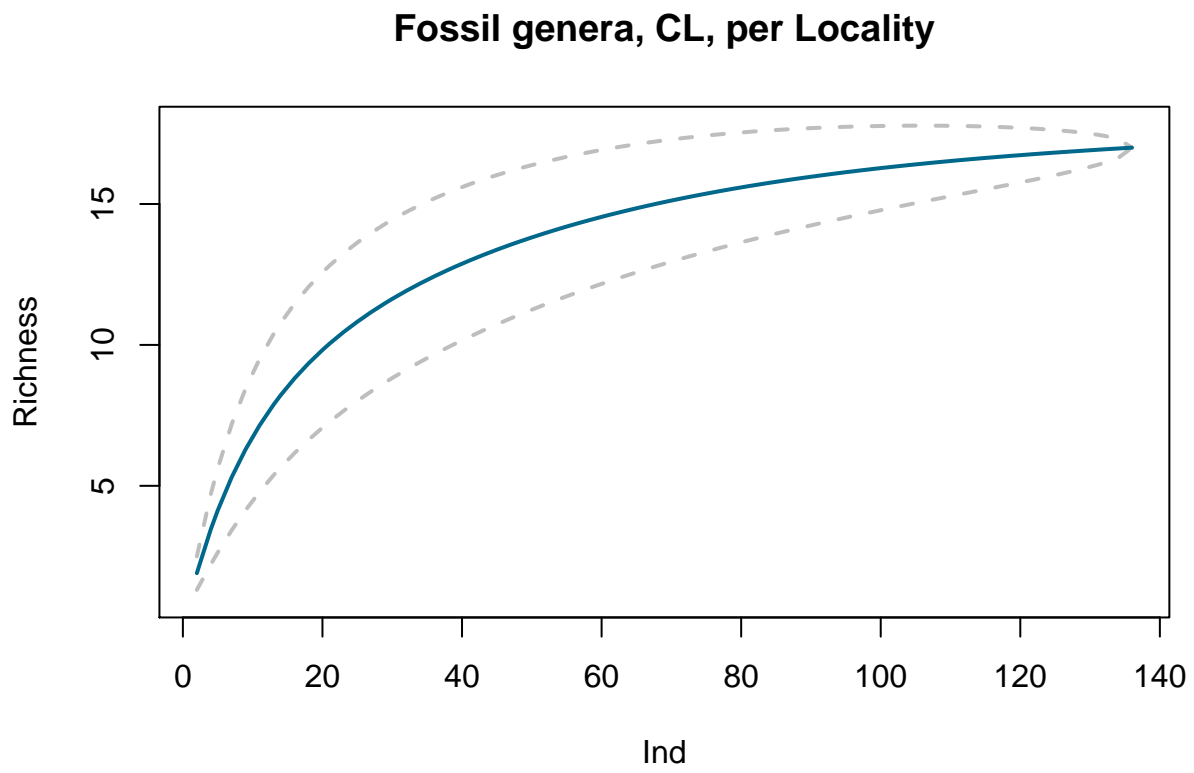
Fossil species (per Locality)



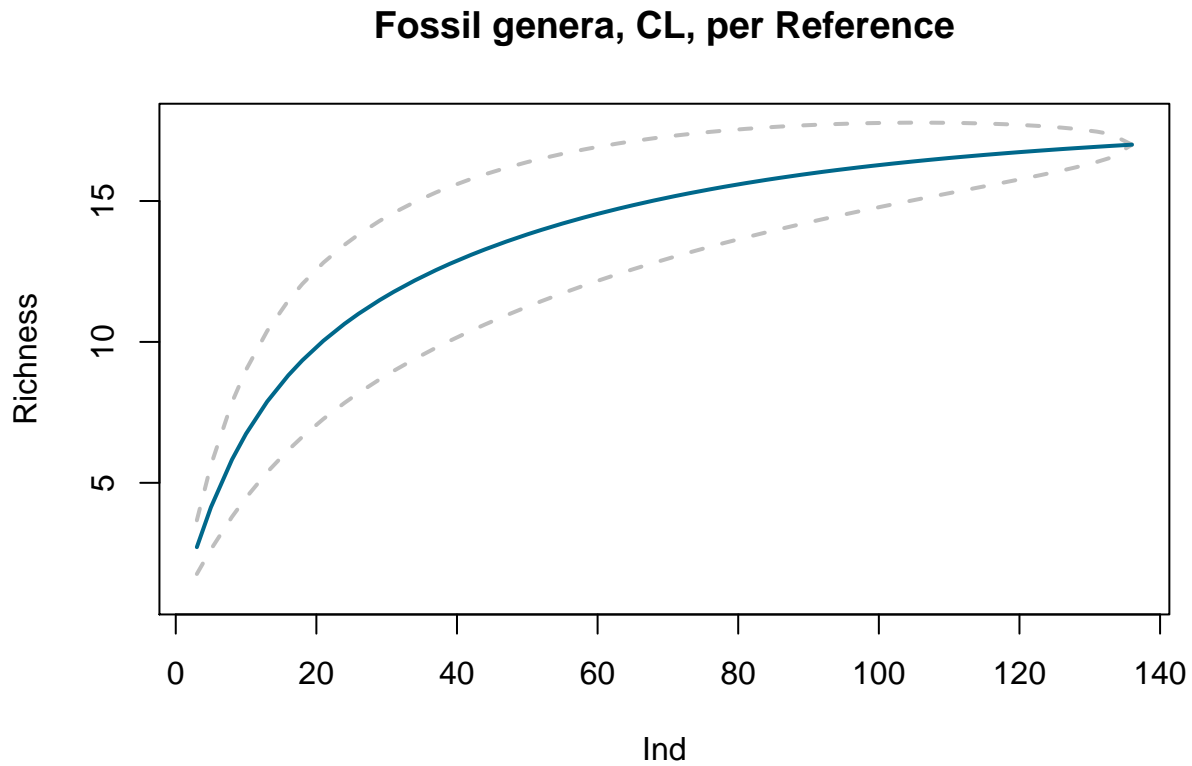
Fossil species (per Reference)



Fossil genera (per Locality)



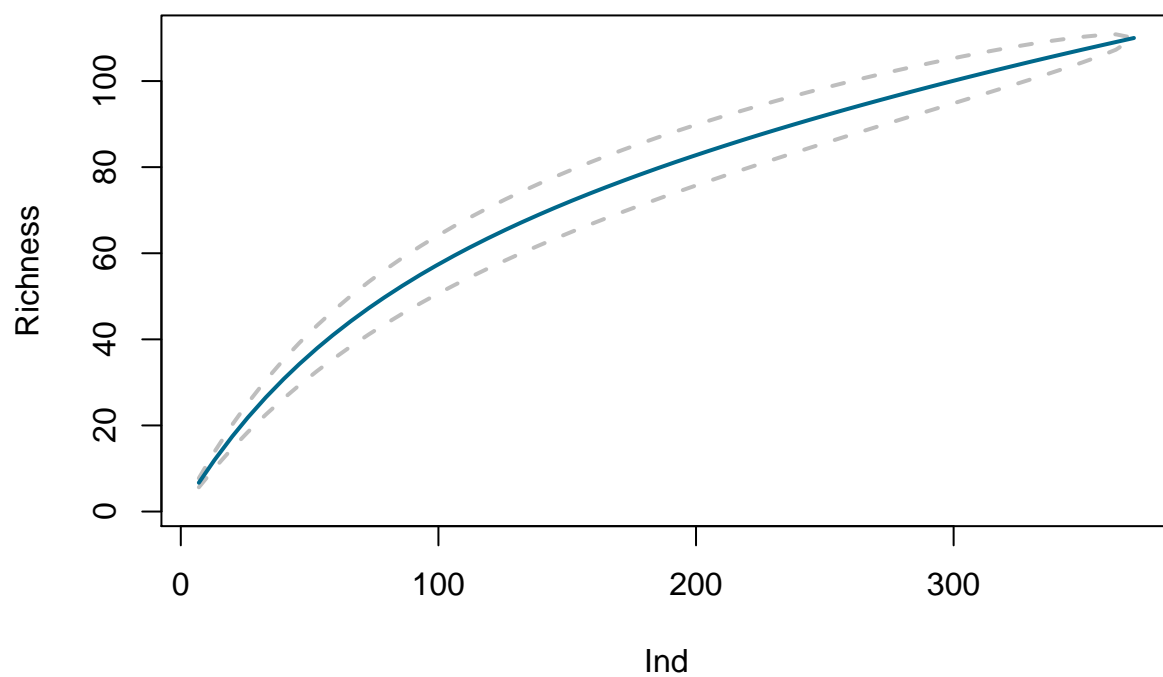
Fossil genera (per Reference)



Fossil and extant species (per Reference)

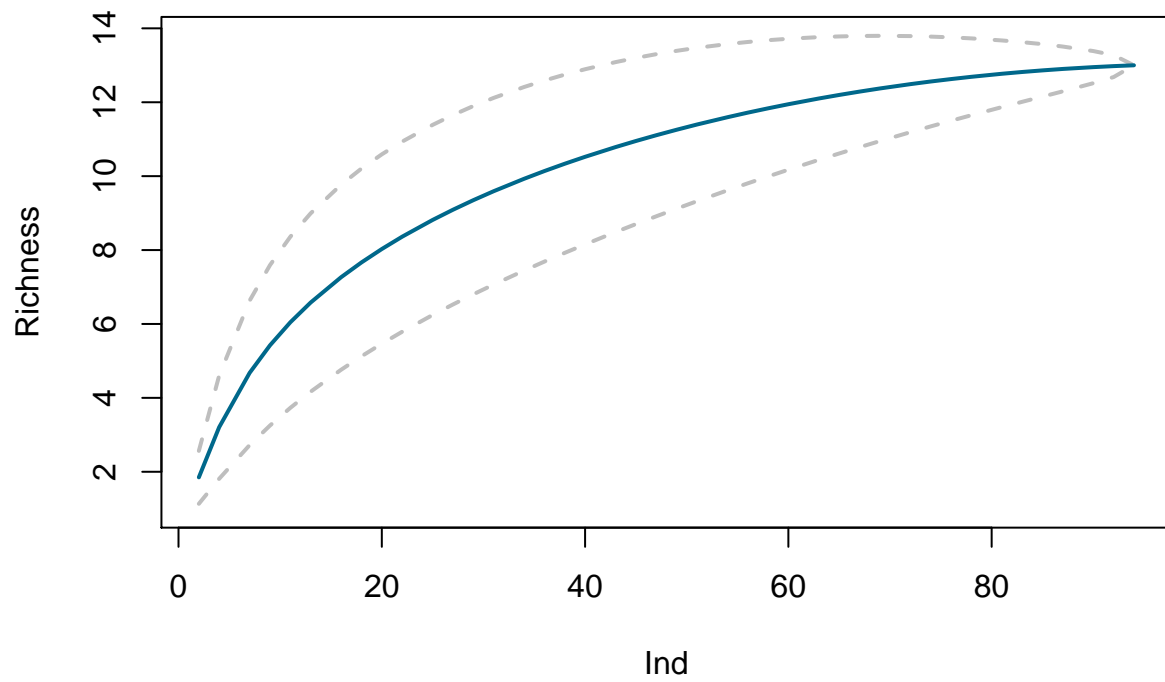
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Fossil and extant species, CL, per Reference



Occurrences from FosFarBase per Reference (all known occurrences, disregarding availability of CL-data)

All fossil genera, per Reference



Occurrences from FosFarBase per Locality (all known occurrences, disregarding availability of CL-data)

