Body size trends in fossil tortoises

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

- after including extant species, another bin is added: Modern, t=0

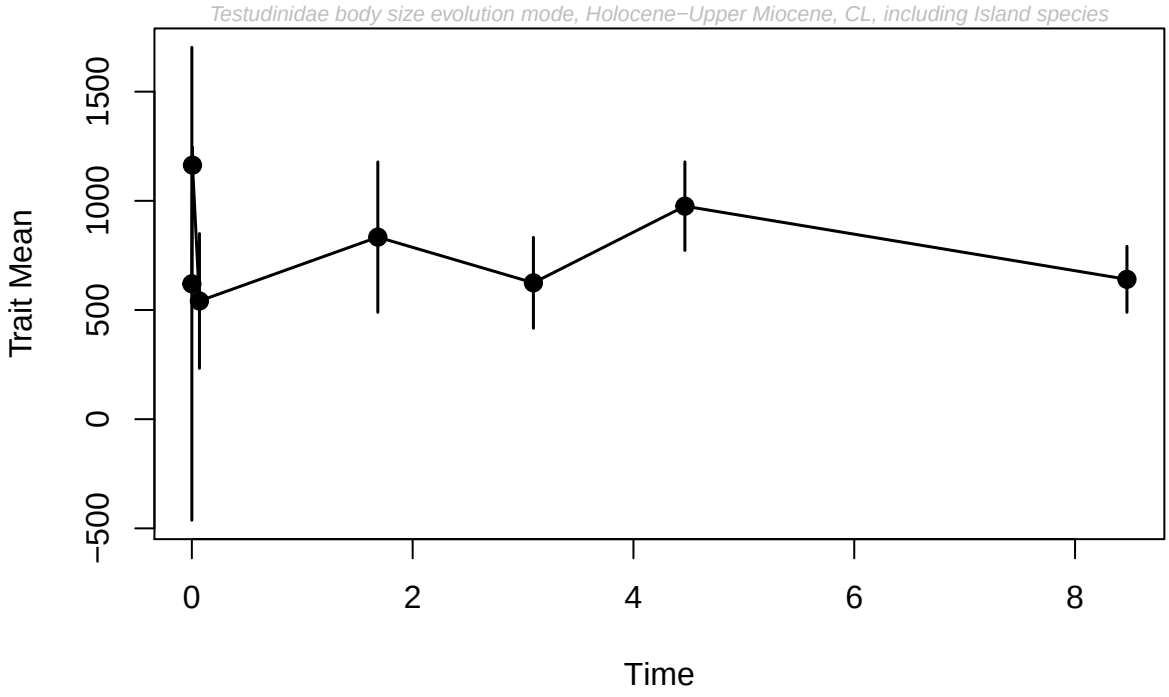
bin	n
(0,0.0117]	3
(0.0117,0.126]	2
(0.126,0.781]	1
(0.781,2.59]	7
(2.59,3.6]	9
(3.6,5.33]	14
(5.33,11.6]	13

bin	EpochBins	MeanBins
(0,0.0117]	Holocene	0.00585
(0.0117,0.126]	Upper Pleistocene	0.06885
(0.126,0.781]	Middle Pleistocene	0.45350
(0.781,2.59]	Lower Pleistocene	1.68450
(2.59,3.6]	Upper Pliocene	3.09400
(3.6,5.33]	Lower Pliocene	4.46600
(5.33,11.6]	Upper Miocene	8.47000

including Island species (n=223)

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

mm	nn	vv	tt
620.0618	178	208721440.31	0.00000
1163.3333	3	20033.33	0.00585
541.3800	2	190492.61	0.06885
833.8200	5	592545.66	1.68450
624.4125	8	346850.13	3.09400
975.6429	14	576600.86	4.46600
640.6077	13	297034.42	8.47000

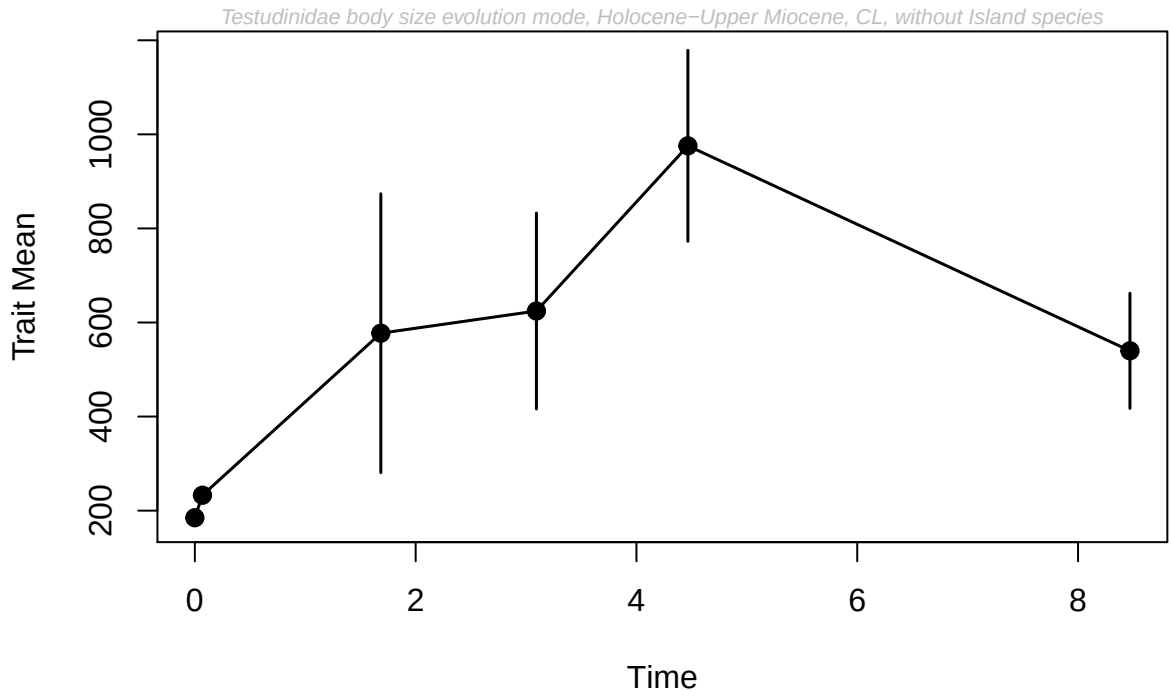



```
##
## Comparing 3 models [n = 6, method = AD]
##
##             logL K     AICc Akaike.wt
## GRW    -45.18277 2 98.36555     0.066
## URW    -45.57379 1 94.14758     0.543
## Stasis -43.40326 2 94.80652     0.391
```

	logL	K	AICc	Akaike.wt
GRW	-45.18277	2	98.36555	0.066
URW	-45.57379	1	94.14758	0.543
Stasis	-43.40326	2	94.80652	0.391

Excluding Island species (n= 97)

mm	nn	vv	tt
184.9310	58	7969.469	0.00000
232.7600	1	0.000	0.06885
577.2750	4	351291.969	1.68450
624.4125	8	346850.133	3.09400
975.6429	14	576600.863	4.46600
539.8250	12	179990.677	8.47000

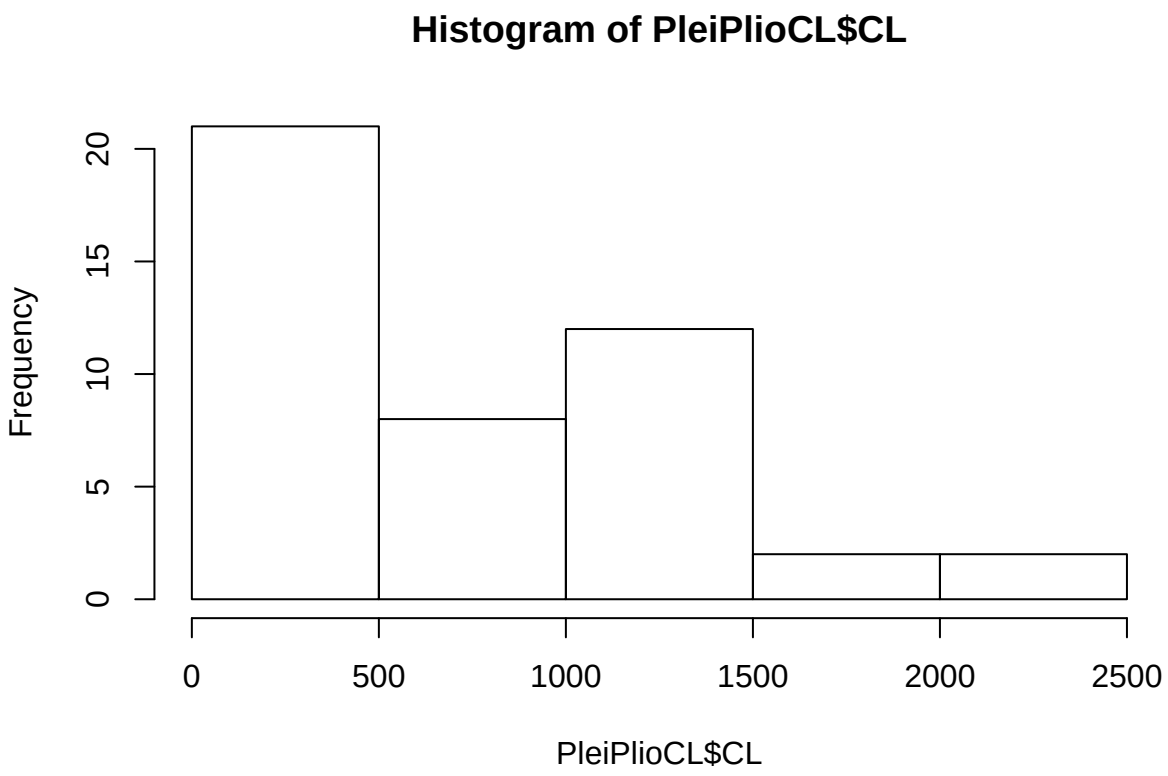


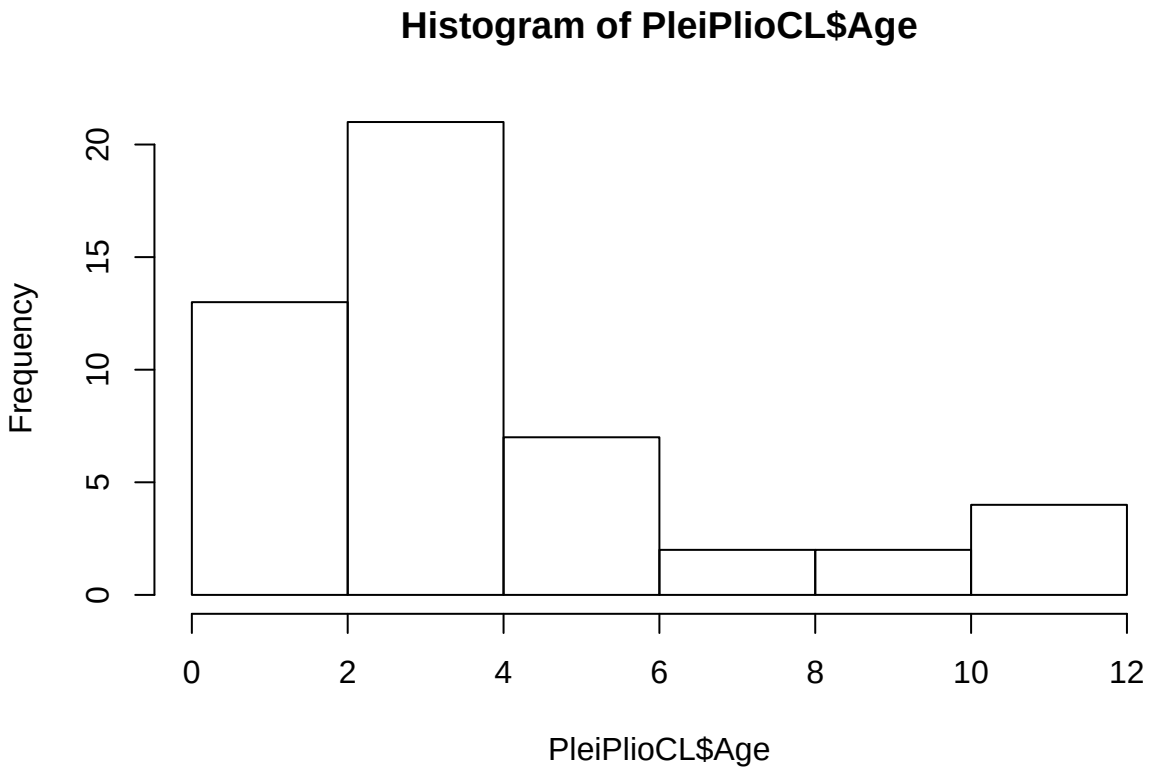

```
##
## Comparing 3 models [n = 5, method = AD]
##
##             logL K     AICc Akaike.wt
## GRW    -34.28158 2 78.56316     0.035
## URW    -34.30859 1 71.95052     0.947
## Stasis -34.92002 2 79.84005     0.018
```

	logL	K	AICc	Akaike.wt
GRW	-34.28158	2	78.56316	0.035
URW	-34.30859	1	71.95052	0.947
Stasis	-34.92002	2	79.84005	0.018

Histograms

Frequency of body size data and distribution over time


Histogram of PleiPlioCL$CL
Frequency
0
5
10
15
20
0
500
1000
1500
2000
2500
PleiPlioCL$CL


Histogram of PleiPlioCL$Age
Frequency
0
5
10
15
20
0
2
4
6
8
10
12
PleiPlioCL$Age

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