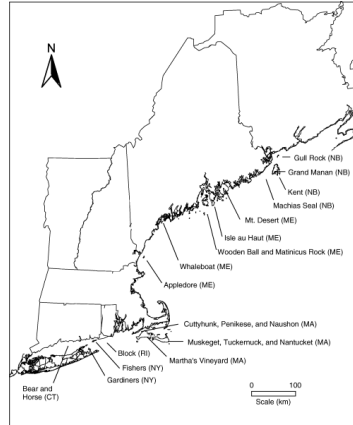


M.Sc. Practical MT2005 week 7

Logistic and Log-linear Models (Assessed)

Data are available on the biodiversity of 22 islands off the Atlantic coast of Canada and the USA.



There is a tab-delimited file `islands.dat` on the website. The columns include

Total plant species richness The total number of vascular plant species.

Native plant species richness The number of *native* vascular plant species.

Island area The area of the island (hectares).

Latitude Degrees North.

Elevation The height in metres of the highest point on the island.

Distance from mainland The distance in km to the mainland.

Distance from nearest island The distance in km to the nearest island.

Number of soil types Some values are missing and indicated by `_`.

Years since isolation

Years since deglaciation

Human population

Human population density People per hectare.

Investigate how

(a) the number of species present, and

(b) the proportion of species which are native,

relate to the geography of the islands.

Your report should be handed in to Mrs Sue Wood in the Front Office by 12.30 pm on Monday, November 28. Late reports will be penalized.