

Generalized Linear Models

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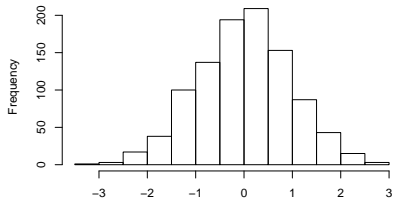
March 13, 2016

What is a frequency distribution?

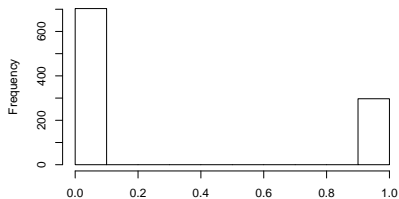
What frequency distributions can you remember?

Frequency Distributions

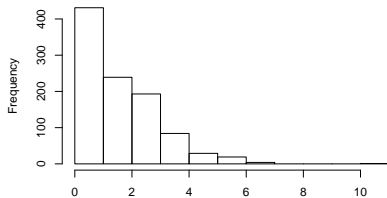
Normal



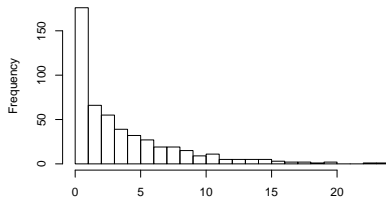
Binomial



Poisson



Negative Binomial



Why do we care?

Relative species abundance of beetles sampled from the river Thames collected by C.B. Williams (1964). (Magurran 2004)

Learning Objectives

- ▶ compare and categorize GLMs vs ANOVAS and regressions
- ▶ Run a model using GLMs