Deck 7

* Regression models
  + Group 1 models
    - Generalized linear model
    - 4 assumptions
      * Independent observations
        + Sampling is randomized
        + X1 gives no information about x2
      * Constant variance
      * Fixed x
        + no measurement error in our predictor variables
        + Perfect accuracy in measurements of explanatory variables
        + Almost always ignored because no perfect measurements

Can ignore if error of measurements is sufficiently small

* + - * Normality
        + Under repeated sampling data would be normally distributed at each x
        + Residuals are normally distributed

Residual = The difference between a predicted and observed variable

Shapiro test, high p-value means normally distributed residuals

* + - General Linear models