## Evaluating Alternative Models

## Estimating AIC

Smaller (even more negatie) AIC better

$$AIC = -2ln(L) + 2k$$

• If n/k < 40, use AIC<sub>c</sub>

$$AIC_c = AIC + \frac{2k(k+1)}{N-k-1}$$

## Evaluating Alternative Models

## Delta AIC

$$\Delta_{AIC} = AIC_i - min(AIC)$$

∂AIC	Model Consideration
0-2	Likely
3-7	Weak
7+	Unlikely

Likelihood of model

$$L(g|X) = exp(-\frac{\Delta_{AIC}}{2})$$