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

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

Evaluating Alternative Models

Akaike weights

- Normalized AIC values

- Give strength of model <u>relative</u> to others.

$$w_i = \frac{exp(-\frac{\Delta_i}{2})}{\sum_{j=1}^{K} exp(-\frac{\Delta_j}{2})}$$

- Evidence ratio:

$$R = \frac{w_i}{w_j}$$