

Blaine Landsborough

Week 4 assignment

**Hypothesis:**

Offspring produced by clutches that are more asynchronous (i.e. increased time between first and last hatched offspring) will experience slower growth than offspring produced by clutches with natural hatching synchrony.

**How to test:**

I will use a linear mixed-effect model to compare offspring growth between treatments, using tarsus length as the response variable. Tarsus measurements will be used as a measure of growth in accordance with published literature. I will include both offspring age and hatching spread (i.e. number of days between first and last hatched egg in the clutch) as fixed effects. I will also include nest (i.e. social group) as a random intercept.