

Exam 1 Topics

* Bring a calculator

* No tables required

1. ANCOVA

- Addressing research questions
- Interpretation of "coef" table (from summary())
- Estimation of slopes and intercepts
- Testing
- emmeans

2. Multiple Regression.

- Model selection
 - AIC / AICc
 - Forward, Backward Hyp Testing
- Model Fit
- Prediction
- Interactions

3. Model Assumptions / Diagnostic

- Diagnostic Plots: Resids vs Fitted, QQplot
Cook's D, Resids vs Leverage
- Outliers
- Influential Obs.