

# Covariates

# What is a covariate?

- Something you think could have an influence on your DV that you DO NOT care about
- It “co-varies” with the DV, but is the not the main thing you are trying to measure as impactful

# Analysis of Covariance (ANCOVA)

- Remove the influence of the covariate to see the true picture of how the IV influences the DV

# ANCOVA Assumptions

- Normality
- Homogeneity of Variance
  - Bartlett's or Fligner's test
  - Should be  $> .05$
- Homogeneity of Regression Slopes
  - Run an ANOVA using your CV as the IV instead
- Sample size (20 per IV or CV)

# Questions?