Comparing two groups:

trait

F   M

Which group has larger mean value?

Response Ratio:

$$lnRR = \ln\left(\frac{\text{-----}\bullet}{\text{-----}\bullet}\right)$$

lnRR > 0 → *male-biased mean trait values*

Which group is more variable?

Variability Ratio:

$$lnVR = \ln\left(\frac{\text{------}\blacklozenge}{\text{-----}\blacklozenge}\right)$$

lnVR > 0 → *traits more variable in males*

Which group is more variable when controlling for the means?

Coefficient of Variation Ratio:

$$lnCVR = \ln\left(\frac{\frac{\text{-----}\blacklozenge}{\text{-----}\bullet}}{\frac{\text{----}\blacklozenge}{\text{-----}\bullet}}\right)$$

lnCVR > 0 → *traits more variable in males, mean-adjusted*