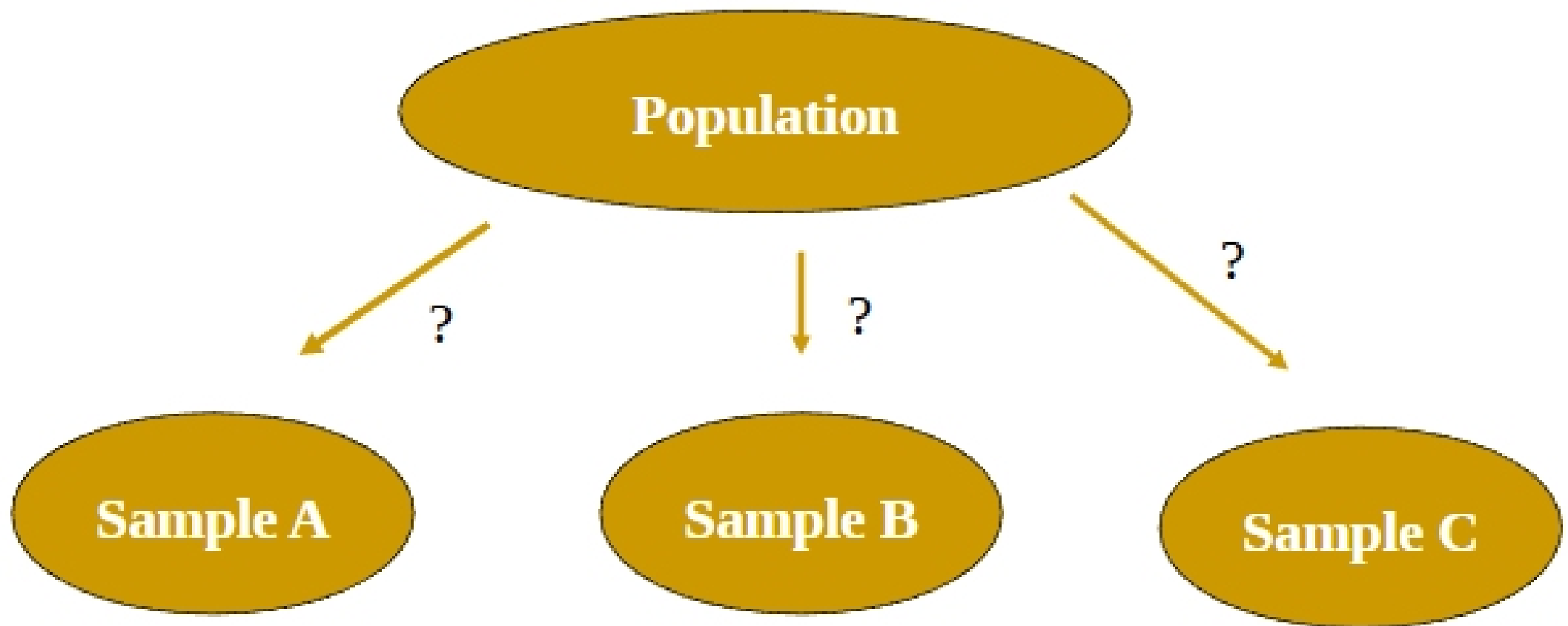

ANOVA...

- **AN**alysis **Of** **VA**riance
 - ... is the general form of hypothesis testing with means
 - ...can be performed with any number of groups
-

Analysis of Variance



Do all three samples come from same population?

Research Question: Do people smile more or less when talking with someone they know well, someone they know a little, or someone they just met?

Research Question: Will the *# of smiles* in the **friends**, **acquaintance**, and **stranger** groups be the same?

Null: There is no difference in the *# of smiles* in the **friends**, **acquaintance**, and **stranger** groups.
