



**T-TEST**

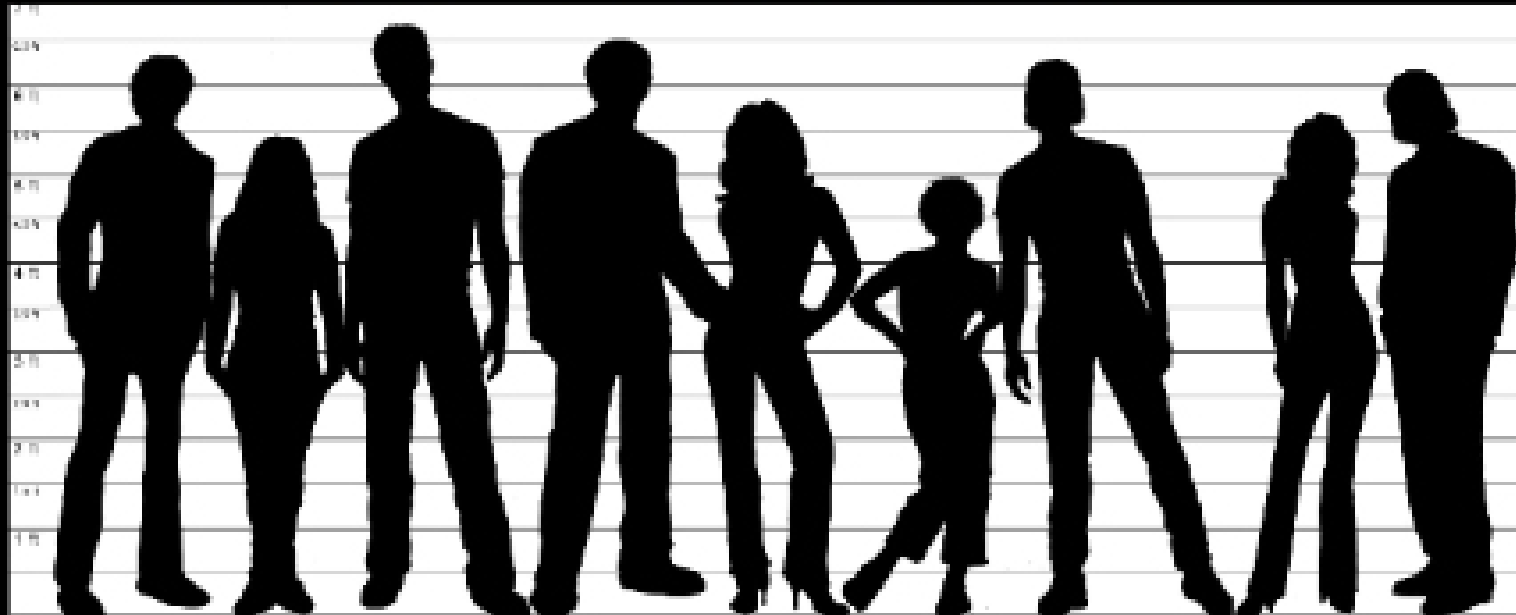
**KIN 366**

# DEFINITION

- A **hypothesis** is a statement describing the expected outcome of a measurement
  - The **null hypothesis ( $H_0$ )** states there is no difference between data sets
  - The **alternate hypothesis ( $H_A$ )** states there is a difference between data sets
- Statistics only evaluate the null hypothesis

# EXAMPLE

Question: Are males taller than females?



- $H_0$ : There is no difference in height between males and females.
- $H_A$ : Males will differ from females in height.