

## Apply Statistics to Class Data

## Stats for Algebra

P1 – Think of two variables that you feel are related. Collect data in this class. Then create a two-way table comparing your two topics and discuss your findings.

Example – student's gender and the gender of their favorite teacher.

P2 – The class will collect data on "Age when you first saw a scary movie"

Males

Females

Five number summary:

Range:

Interquartile range:

Mean:

Create a two-sided dotplot

Create a boxplot

Describe the shape:

Write a few sentences comparing males and females.

P3 – Use the height of everyone in class standing on the floor and standing on a chair.

Floor

Chair

Five number summary:

Range:

Interquartile range:

Mean:

Create a two sided stemplot

Create a boxplot

Describe the shape:

Write a few sentences comparing floor to the chair.