

## Video 4 Measures of Center

1. What *variable* is examined in comparing men and women workers at the beginning of the video?  
-Weekly wages salary
2. Would you describe the shape of the distribution of men's weekly wages as symmetric, skewed to the left or skewed to the right?  
- Skewed to the right.
3. What is the most important difference between the distributions of weekly wages for men and for women?  
-The mean distribution
4. Would a few very large incomes pull the mean of a group of incomes up, down, or leave the mean unaffected?  
-It will pull the mean of a group of incomes up.
5. Would a few very large incomes pull the median of a group of incomes up, down, or leave the median unaffected?  
-It will pull the median of a group of incomes up

## Video 5: Boxplots (Not Required)

1. What variable is used to compare different brands of hot dogs?
2. What name do we give to the value for which one-quarter of the data values falls at or below it?
3. What numbers make up a five-number summary?
4. How do you calculate the interquartile range?
5. Boxplots show that poultry hot dogs as a group differ from all-beef hot dogs. Compare the distribution of calories between the two types of hot dogs.