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EDG 500

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Video Notes week 3

### **Video 4 Measures of Center**

1. What *variable* is examined in comparing men and women workers at the beginning of the video?

- The Variable examined in comparing men and women workers was weekly wages by American separated by gender.

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?

- I would describe the shape of distribution of men's wages as skewed to the right.

3. What is the most important difference between the distributions of weekly wages for men and for women?

- The most important difference between the distribution of weekly wages for men and women is that the medians of the distribution differ 50-50 point, the median for men's wages was larger than the

median for women's wages. Some of the reason can be accounted for by differences in education, age, and years in the workforce.

4. Would a few very large incomes pull the mean of a group of incomes up, down, or leave the mean unaffected?

- A few very large incomes inflate the mean of a group of incomes, these very large groups would pull the mean up.

5. Would a few very large incomes pull the median of a group of incomes up, down, or leave the median unaffected?

- The median doesn't depend on what the values are out there at the extremes of the distribution.
- Increasing values at the extremes has not effect on the median. The middle most value is still in the middle.