



U.S. Navy Frigate Crews—Then and Now, range, mean, median and mode and stem-and-leaf plots
circa 1800 Frigate

Directions: Use the “Frigate Crews” and “For Richer or Poorer” handouts to assist you in answering the questions below. **Show your work** for problems when needed.

1. Which Crew member would best describe each of the following benchmarks and why?

Minimum: _____ Explain your answer: _____

Maximum: _____ Explain your answer: _____

Median: _____ Explain your answer: _____

Mode: _____ Explain your answer: _____

2. In total, the crew of a circa 1800 Frigate was paid approximately \$57,200 per year.

What is the ship's mean pay? _____

3. List the crew members that were paid higher than the ships mean pay. _____

4. List the crew members that were paid lower than the ships mean pay. _____

5. What was the range of pay per year among the crew members? _____

6. According to the “For Richer or Poorer” handout, which crew member was paid the median pay per year? _____

7. Would you want to be paid the median or mean pay if you were to have been a crew member on a circa 1800 Frigate? _____
Why? _____

8. Construct a stem-and-leaf plot for the “For Richer or Poorer” handout in the space provided below.

