This table depicts the annual salary for a sample of 10 Chicago Cubs players during the 2005 baseball season in millions of dollars.  
  
Table: Chicago Cubs Salaries

|  |  |
| --- | --- |
| Player | Salary  (in millions of $US) |
| 1 | 3.11 |
| 2 | 0.32 |
| 3 | 1.20 |
| 4 | 2.30 |
| 5 | 4.50 |
| 6 | 2.00 |
| 7 | 1.00 |
| 8 | 0.34 |
| 9 | 8.25 |
| 10 | 3.76 |

Reference: Ref 4-2

(Table: Chicago Cubs Salaries)

1. Since 8.25 million is an outlier, show its impact on the following:
   1. Mean
   2. Median
   3. Biased standard deviation
   4. Unbiased standard deviation
2. Calculate these measures of central tendency with and without the outlier. Explain the resulting changes you observe in those calculations.
3. To get full credit, list the mean, median, and both types of standard deviation for WITH and WITHOUT the outlier, and then explain how the scores changed after you removed that score.
4. Cut and paste your output into this document.