

Problem Set Grade Distribution

This STATA file should be read as follows. Listed in the data are the min, max, quartiles, mean, median and standard deviation. The column labeled centile is the median. To see the distribution of the final scores out of 65 points, refer to the data labeled c1. We had 7 problem sets, plus the Social Security paper. The last problem set was only worth 5 points instead of the traditional 10. I dropped the lowest score (from the 8 assignments), for a total of 65 points. You can calculate your score in the same manner to see where you stand.

In summary, the mean problem set score was 56.74 out of 65 with a standard deviation of 7.23. The median was 58.5 and the range of scores was from 29 to 64.5 out of 65. Remember the median is more important than the mean. 60.5 or above denotes the 75th percentile. On the other hand, the 25th percentile is bordered by a score of 53. The tenth and ninetieth percentiles are border by scores of 51 and 64, respectfully.

```
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log: C:\DATA\psscores.log
log type: text
opened on: 16 May 2006, 18:12:01

. sum c1

Variable |      Obs      Mean   Std. Dev.      Min      Max
-----+-----
c1 |         25    56.74   7.234351         29    64.5

. centile c1

Variable |      Obs  Percentile   Centile      -- Binom. Interp. --
-----+-----+-----
c1 |         25         50        58.5    53.10416    60.5
      [95% Conf. Interval]

. codebook c1

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c1                                     (unlabeled)
-----

type: numeric (float)

range: [29,64.5]          units: .1
unique values: 17        missing .: 0/25

mean: 56.74
std. dev: 7.23435

percentiles:      10%      25%      50%      75%      90%
                  51       53       58.5     60.5     64

. exit, clear
```