## Exercise 4.12:

| Salary |  |
| :--- | ---: |
|  | 24328.832 |
| Mean | 193.5656877 |
| Standard Error | 24461 |
| Median | 26139 |
| Mode | 1029 |
| Standard Deviation 2164.130179 |  |
| Sample Variance | 4683459.431 |
| Kurtosis | -0.781302321 |
| Skewness | -0.270154113 |
| Range | 9165 |
| Minimum | 18958 |
| Maximum | 28123 |
| Sum | 3041104 |
| Count | 125 |

Mean is slightly less than the median: (slightly) negatively skewed


## Exercise 4.23:



## Least variation?

Most variation?

Calculations:
a. $s^{2}=51.5$
b. $s^{2}=6.5$
c. $s^{2}=174.5$

## Box Plots

## Example 4.11:

$\min =0$
max $=33$
$\mathrm{Q}_{1}=3.75, \mathrm{Q}_{2}=8.5, \mathrm{Q}_{3}=16$
$\mathrm{IQR}=16-3.75=12.25$


|  | 1 | 1 | 1 | 1 | 1 | 1 |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 0 | 5 | 10 | 15 | 20 | 25 | 30 | 35 |

## Example 4.14:



## Example 4.15:



