

Practice 3, SPSS - Solutions

Using SPSS and based on the data below,

X_i	F_i
3	1
4	7
5	6
6	3
7	3

Calculate:

- Mode = 4
- Mean = 5
- Median = 5

- Quasi-standard deviation = 1.17
- Quasi-variance = 1.368

- Minimum value = 3
- Maximum value = 7
- Total amplitude = 4

- Quartiles:
 - $Q_1 = 4$
 - $Q_2 = 5$
 - $Q_3 = 6$

- Deciles:
 - $D_1 = 4$
 - $D_2 = 4$
 - $D_3 = 4$
 - $D_4 = 4.4$
 - $D_5 = 5$
 - $D_6 = 5$
 - $D_7 = 5.7$
 - $D_8 = 6$
 - $D_9 = 7$

- Percentile 27 = 4

- Asymmetry = 0.438 – Asymmetric positive



- Kurtosis = -0.684 – Platykurtic

