

Problem 1:

q1 : 86.5805

q2 : 99.8985

q3 : 113.47

IQR : 26.8894

Number of Outliers : 696 number

extreme outliers are less than 5.912 and greater than 194.1385 and it doesn't exist

Problem 2:

mean of 2 dices : 4.07729505048733

variance of 2 dices : 1.4440791020419848

mean of 10 dices : 3.995737821603767

variance of 10 dices: 0.2840389755818835

Problem 3

P_value of the first Function : 0.8614735881829605

Fail to reject null hypotheses

P_value of the second Function : 0.00010244978312501374

Reject null hypotheses