Name: Prerana.M.S Class: 3 E

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STATISTICS FOR DATA SCIENCE

ASSIGNMENT 7

1. Calculate the average number of truck shipments from the United States to five Canadian cities for the following data given in thousands of bags:

     Montreal, 64.0; Ottawa, 15.0; Toronto, 285.0; Vancouver, 228.0; Winnipeg, 45.0

1. Alex did a survey of how many games each of his 20 friends owned, and got this:

               9, 15, 11, 12, 3, 5, 10, 20, 14, 6, 8, 8, 12, 12, 18, 15, 6, 9, 18, 11

      Find the mean, median and mode.

Answer.

1. Average no. of truck shipments= (64+15+285+228+45)/5 = **127.4**
2. Data after survey:

3 ,5 ,6 ,6 ,8 ,8 ,9 , 9, 10 , 11, 11 ,12 ,12 ,12 ,14 ,15 ,15 ,18 ,18 ,20.

Mean : 222/20 = **11.1**

Median : average of values at 10th and 11th position= **11**

Mode : Most repetitive= **12**