

Measures of Central Tendencies – Day 3

Unit 8: Statistics

Find the Minimum, Maximum, Range, Mean, Median, and Mode for each data set.

1.

Hours Slept

7.75	6.25	7.75	6.5	7	7
8.25	8.25	7	7.25	7.75	5.5
	5.5	7	7.25	6.5	

5.5, 5.5, 6.25, 6.5, 6.5, 7, 7, 7, 7, 7.25, 7.25, 7.75, 7.75, 7.75, 8.25, 8.25

Minimum	Maximum	Range	Mean	Median	Mode
5.5	8.25	8.25 - 5.5 2.75	Sum = 112.5 16 #'s 7.03	(7+7) ÷ 2 7	7 appears 4 times 7

2.

Test Score

54	52	50	51	44	37
49	50	52	50	46	54
50	56	44	52	51	

37, 44, 44, 46, 49, 50, 50, 50, 50
51, 51, 52, 52, 52, 54, 54, 56

Minimum	Maximum	Range	Mean	Median	Mode
37	56	56 - 37 19	Sum = 842 17 #'s 49.53	50	50 appears 4 times 50

3.

Minutes to Run 3 Miles

32.6	41.1	30.6	33.4	25.4	35.6
24	26.1	30.8	25.4	27.4	41
	29	30.2	32.3	39.4	

24, 25.4, 25.4, 26.1, 27.4, 29, 30.2, 30.6
30.8, 32.3, 32.6, 33.4, 35.6, 39.4, 41, 41.1

Minimum	Maximum	Range	Mean	Median	Mode
24	41.1	41.1 - 24 17.1	Sum = 504.3 16 #'s 31.52	(30.6 + 30.8) ÷ 2 30.7	25.4 twice 25.4

Find the Minimum, Maximum, Range, Mean, Median, and Mode for each data set.

4.

Minutes to Run 5km

34	41.4	36.2	42	31.3	32.1
33.9	34	28.9	29.9	34.7	29.6
	43	31.1	28.6	33.6	

28.6, 28.9, 29.6, 29.9, 31.1, 31.3, 32.1, 33.6
33.9, 34, 34, 34.7, 36.2, 41.4, 42, 43

Minimum	Maximum	Range	Mean	Median	Mode
28.6	43	43 - 28.6 14.4	Sum = 544.3 16 #s 34.02	(33.6 + 33.9) ÷ 2 33.75	34

5.

Men's Heights (Inches)

71	71	69	67	72	71
70	74	72	72	74	70
74	73	76	76	72	69
76	68	66	69	73	

66, 67, 68, 69, 69, 69, 70, 70, 71, 71, 71, 72,
72, 72, 72, 73, 73, 74, 74, 74, 76, 76, 76

Minimum	Maximum	Range	Mean	Median	Mode
66	76	76 - 66 10	Sum = 1645 23 #s 71.52	72	72

6.

Annual Precipitation (Centimeters)

148	122	82	149	97	159
92	151	100	80	84	146
45	47	114	70	110	107
123	57	97	101	150	

45, 47, 57, 70, 80, 82, 84, 92, 97, 97, 100,
101, 107, 110, 114, 122, 123, 146, 148, 149, 150, 151, 159

Minimum	Maximum	Range	Mean	Median	Mode
45	159	159 - 45 114	Sum = 2431 23 #s 105.7	101	97