

Measures of Central Tendencies – Day 4  
Unit 8: Statistics

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

1.

Test Scores					
49	55	53	51	48	46
48	39	40	37	40	47
	55	52	38	40	

37, 38, 39, 40, 40, 40, 46, 47,  
48, 48, 49, 51, 52, 53, 55, 55

Minimum	Maximum	Range	Mean	Median	Mode
37	55	55 - 37 18	Sum = 738 16 #'s 46.13	$(47 + 48) \div 2$ 47.5	40

2.

Hours Slept					
7.75	7.75	4.5	7.25	7.75	6.5
8.25	5.25	3.5	4.5	8	9.25
	7.5	5.75	6.75		

3.5, 4.5, 4.5, 5.25, 5.75, 6.5, 6.75, 7.25  
7.5, 7.75, 7.75, 7.75, 8, 8.25, 9.25

Minimum	Maximum	Range	Mean	Median	Mode
3.5	9.25	9.25 - 3.5 5.75	Sum = 100.25 15 #'s 6.68	7.25	7.75

3.

Goals in a Hockey Game					
5	5	5	5	3	3
9	4	3	3	6	5
5	5	11	3	5	6
5	5	5	5	9	

3, 3, 3, 3, 3, 4, 5, 5, 5, 5, 5, 5  
5, 5, 5, 5, 5, 5, 6, 6, 9, 9, 11

Minimum	Maximum	Range	Mean	Median	Mode
3	11	11 - 3 8	Sum = 120 23 #'s 5.22	5	5

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

4.

Shoe Size

8.5	8.5	7.5	10.5	9	7
8	7	10	9	9	8
7.5	11	6	9	7	9
	10	9	8.5	8.5	

6, 7, 7, 7, 7.5, 7.5, 8, 8, 8.5, 8.5, 8.5,  
8.5, 9, 9, 9, 9, 9, 9, 10, 10, 10.5, 11

Minimum	Maximum	Range	Mean	Median	Mode
		11-6	sum = 187.5 22 #'s	$(8.5 + 8.5) \div 2$	
6	11	5	8.52	8.5	9

5.

Age at First Job

18	14	12	18	17	18
18	15	16	15	16	15
17	17	13	18	14	13
17	21	18	22	18	

12, 13, 13, 14, 14, 15, 15, 15, 16, 16, 17, 17,  
17, 17, 18, 18, 18, 18, 18, 18, 18, 21, 22

Minimum	Maximum	Range	Mean	Median	Mode
		22-12	sum = 380 23 #'s		
12	22	10	16.52	17	18

6.

Age at First Job

17	16	15	20	17	18
16	17	17	16	13	13
	20	22	22		

13, 13, 15, 16, 16, 16, 17, 17,  
17, 17, 18, 20, 20, 22, 22

Minimum	Maximum	Range	Mean	Median	Mode
		22-13	sum = 259 15 #'s		
13	22	9	17.27	17	17