

Measures of Central Tendencies – Day 2
Unit 8: Statistics

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

1.

Men's Heights (Centimeters)

174	171	170	186	178	180
	185	178	174	179	

170, 171, 174, 174, 178
 178, 179, 180, 185, 186

Minimum	Maximum	Range	Mean	Median	Mode
170	186	186 - 170 16	sum = 1775 10 #'s 177.5	(178 + 178) ÷ 2 178	178 appears 2 times 174 appears 2 times 174 & 178

2.

Games per World Series

6	6	5	7	7	6
5	7	4	7	7	4
	4	7	7	6	

4, 4, 4, 5, 5, 6, 6, 6
 6, 7, 7, 7, 7, 7, 7, 7

Minimum	Maximum	Range	Mean	Median	Mode
4	7	7 - 4 3	sum = 95 16 #'s 5.94	(6 + 6) ÷ 2 6	7 appears 7 times 7

3.

Hits in a Round of Hacky Sack

7	3	6	22	3	15
8	6	9	5	13	5
12	19	6	15	6	

3, 3, 5, 5, 6, 6, 6, 6, 7,
 8, 9, 12, 13, 15, 15, 19, 22

Minimum	Maximum	Range	Mean	Median	Mode
3	22	22 - 3 19	sum = 160 17 #'s 9.41	7	6 appears 4 times 6

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

4.

Goals in a Hockey Game

11	7	6	5	4	4
10	7	3	5	5	7
7	7	8	2	5	3
5	5	8	2		

2, 2, 3, 3, 4, 4, 5, 5, 5, 5, 5
5, 6, 7, 7, 7, 7, 7, 8, 8, 10, 11

Minimum	Maximum	Range $11 - 2$	Mean $\text{Sum} = 126$ 22 #'s	Median $(5+5) \div 2$	Mode $5 \text{ appears } 6 \text{ times}$
2	11	9	5.73	5	5

5.

Shoe Size

7.5	10	10.5	8.5	7	7.5
7	11	9	7	8	4
8.5	10	6	7	8	5.5
	8	8	7.5		

4, 5.5, 6, 7, 7, 7, 7, 7.5, 7.5, 7.5, 8,
8, 8, 8, 8.5, 8.5, 9, 10, 10, 10.5, 11

Minimum	Maximum	Range $11 - 4$	Mean $\text{Sum} = 165.5$ 21 #'s	Median	Mode $7 \text{ appears } 4 \text{ times}$ $8 \text{ appears } 4 \text{ times}$
4	11	7	7.88	8	7 & 8

6.

of Words in Book Titles

2	2	2	2	1	2
2	5	3	1	1	6
	2	2	5	2	

1, 1, 1, 2, 2, 2, 2, 2,
2, 2, 2, 2, 3, 5, 5, 6

Minimum	Maximum	Range $6 - 1$	Mean $\text{Sum} = 40$ 16 #'s	Median $(2+2) \div 2$	Mode $2 \text{ appears } 9 \text{ times}$
1	6	5	2.5	2	2