

Intro to 1-Variable Statistics

Find the mode, median, mean, sample standard deviation, and population standard deviation for each data set.

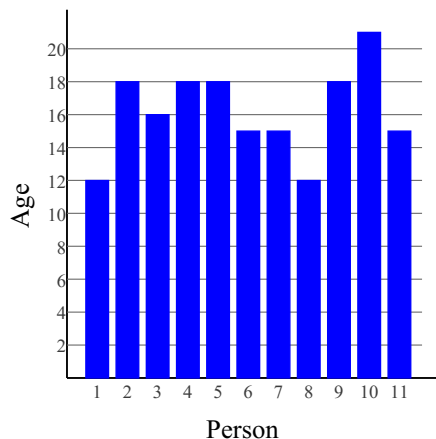
1) Hits in a Round of Hacky Sack

5 6 12 15 12 2 3 6
7 4

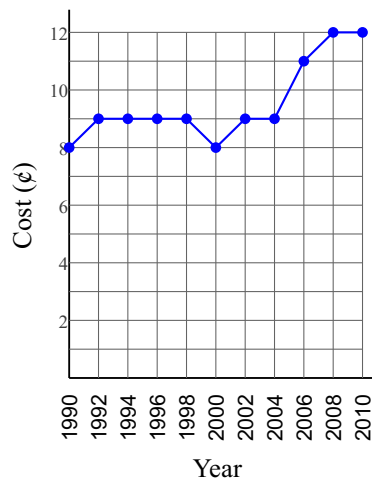
2) Age at First Job

Age	Frequency
13	1
17	7
18	1
21	2

3) Age at First Job



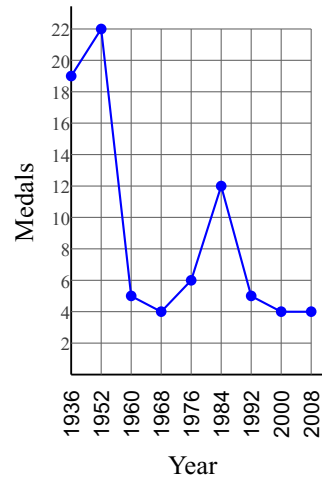
4) Cost of Electricity, per kWh



5) Times Winning the Basketball Tournament

Times Won	Frequency
1	7
2	2
4	1

6) Olympic Medal Count



7) Age at First Job

17 17 13 15 17 22 13
22 14 17

8) Annual Precipitation (Inches)

23.6 67.2 15.2 28.4 8.6
54.6 69 15.4 8.6 12.6

9)

Basketball Tournament Champions

School	Times Won
San Francisco	2
Duke	5
Kentucky	8

School	Times Won
Michigan State	2
La Salle	1
Florida	2

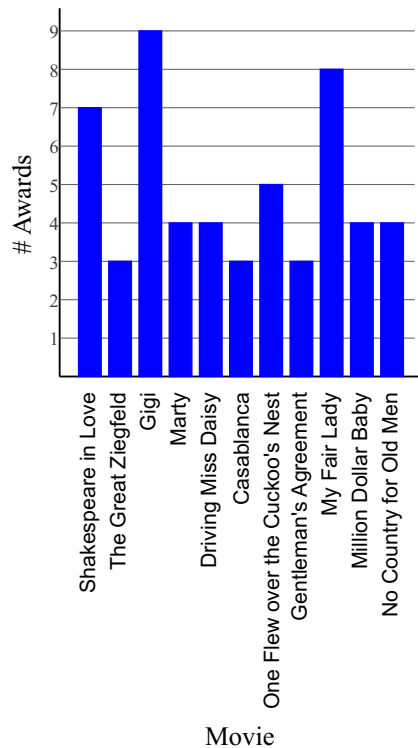
School	Times Won
Ohio State	1
Oklahoma State	2

School	Times Won
Arkansas	1
Wisconsin	1

10) Length of Book Titles

# Words	Frequency
2	5
3	4
4	1
5	1

11) Academy Awards



12) 2012 Summer Olympics

Country	Medals	Country	Medals
Colombia	8	China	88
Croatia	6	Romania	9
Mexico	7	United States	104
Lithuania	5	Denmark	9
Netherlands	20	Kazakhstan	13
Australia	35		

13) Length of Book Titles

# Words	Frequency
1	1
2	3
3	3
4	2
5	1
6	1

14) # Words in Book Titles

1	3	4	2	2	2	2	2
4	6						

Answers to Intro to 1-Variable Statistics (ID: 1)

- 1) Mode = 6 and 12, Median = 6,
Mean = 7.2, $s = 4.34$ and $\sigma = 4.12$
- 3) Mode = 18, Median = 16,
Mean = 16.18, $s = 2.75$ and
 $\sigma = 2.62$
- 5) Mode = 1, Median = 1, Mean = 1.5,
 $s = 0.97$ and $\sigma = 0.92$
- 7) Mode = 17, Median = 17,
Mean = 16.7, $s = 3.23$ and $\sigma = 3.07$
- 9) Mode = 1 and 2, Median = 2, Mean = 2.5, $s = 2.27$ and $\sigma = 2.16$
- 11) Mode = 4, Median = 4,
Mean = 4.91, $s = 2.12$ and
 $\sigma = 2.02$
- 13) Mode = 2 and 3, Median = 3,
Mean = 3.18, $s = 1.47$ and
 $\sigma = 1.4$