

12.1

Mean: average

Median: middle term (put #s in order)

Mode: most frequent entry

1. 4, 12, 8, 10, 8, 4, 10, 4, 4

$$\text{mean: } \frac{4+12+8+10+8+4+10+4+4}{9} \approx 7.11$$

Median: 4, 4, 4, 4, 8, 8, 10, 10, 12

Mode: 4

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2. 32, 36, 32, 35, 37, 39, 30

mean : 34.429

Median: 30, 32, 32, 35, 36, 37, 39

mode: 32

4. 14.2, 14.8, 14.7, 14.8, 15.6, 14.2

mean: 14.7

Median: 14.2, 14.2, 14.7, 14.8, 14.8, 15.6

14.75

mode: 14.2, 14.8

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Frequency Tables

5. ~~5~~, ~~5~~, ~~4~~, ~~4~~, ~~6~~, ~~5~~, ~~6~~, ~~4~~, ~~7~~, ~~8~~, ~~8~~, ~~5~~, ~~3~~, ~~2~~

mean: 5.3

mode: 5

# of members	Freq.
2	1
3	1
4	2
5	4
6	3
7	1
8	2

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12.2

1. ~~12~~, ~~21~~, ~~17~~, ~~9~~, ~~22~~, ~~17~~, ~~26~~, ~~12~~, ~~4~~, ~~26~~, ~~21~~, ~~11~~, ~~21~~

Stem & Leaf: leaf → 1 digit

1.

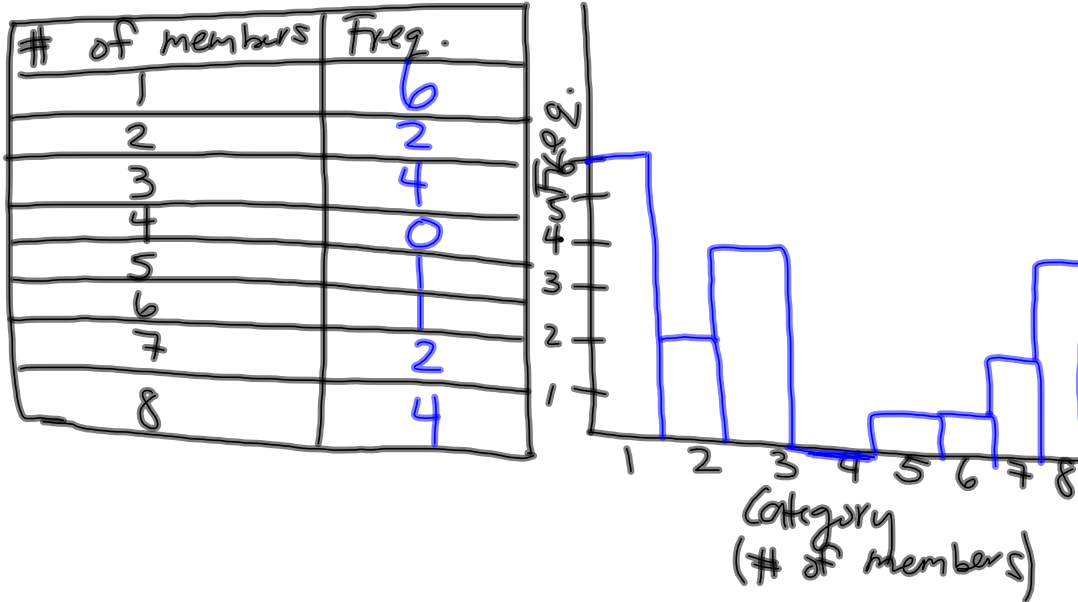
Stem	Leaf
0	6 9
1	3 3 7 7 7
2	1 1 2 6 6 9

2. 32, 46, 38, 42, 51, 33, 32, 42, 46, 32, 52, ⁷³

Stem	Leaf
3	2 2 2 3 8
4	2 2 6 6
5	1 2
6	
7	3

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histogram - no spaces



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12.3

Range: max - min

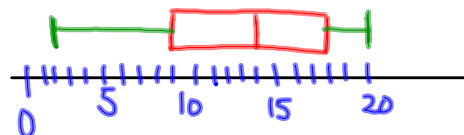
Interquartile Range: IQR: $Q_3 - Q_1$

3. 12, 14, 16, 15, 20, 17, 20, 2, 9, 18, 11, 8, 6, 17, 11

on calc: min 2 Q_1 = 9 med: 14
 Q_3 = 18 max 20

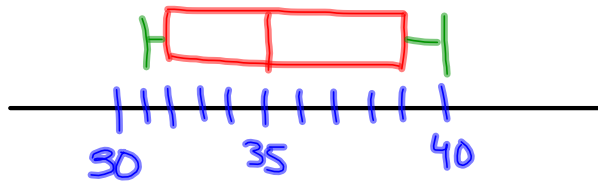
Range: $20 - 2 = 18$

IQR = $18 - 9 = 9$



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4. min: 31 $Q_1 = 32$
 max: 40 med: 35
 $Q_3 = 39$



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12.4

Standard deviation: σ

Variance: σ^2

1. 12, 13, 17, 14, 12, 15

Stand. dev: $\sigma = 1.772$

Variance: $\sigma^2 = (1.772)^2 \approx 3.13$

Apr 23-8:35 AM