

Visualizing Data

Draw a dot plot for each data set.

1) Hits in a Round of Hacky Sack

2 3 4 5 5 5 5 6
6 7 7 7 7 8 13

2) Hours Slept

7 4 6 7 9 7 6 7
6 8 7 7 6 7 6 5

Draw a stem-and-leaf plot for each data set.

3) Nobel Laureates

Name	Age
Rudolf Ludwig Mössbauer	32
Wolfgang Ketterle	44
Joseph Leonard Goldstein	45
Aung San Suu Kyi	46
Kenneth Joseph Arrow	51
Barry James Marshall	54

Name	Age
Stanley Ben Prusiner	55
Torsten Nils Wiesel	57
Richard Axel	58
Robert Coleman Richards	59
James Alexander Mirrlees	60

Name	Age
Robert Merton Solow	63
Stanley Cohen	64
Peter Mansfield	70
Vernon Lomax Smith	75
Richard Fred Heck	79

4) Large US Cities

City	Population
Boston	617,594
Gilbert	208,453
Stockton	291,707
Austin	790,390

City	Population
Seattle	608,660
Richmond	204,214
Scottsdale	217,385
Portland	583,776

City	Population
Irving	216,290
Santa Ana	324,528
Fort Worth	741,206
San Francisco	805,235

City	Population
Washington DC	601,723
Columbus	787,033
Aurora	325,078

Draw a box-and-whisker plot for each data set.

5) Minutes to Run 5km

26 26.1 27.2 27.6 28.9
30.2 30.6 31.1 31.5 32.1
33.4 34 34 34 36.7
45

6)

Age At Inauguration

President	Age
Calvin Coolidge	51
Lyndon B Johnson	55
Gerald Ford	61
Theodore Roosevelt	42
Martin Van Buren	54

President	Age
James Madison	57
Millard Fillmore	50
Zachary Taylor	64
James K Polk	49

President	Age
Barack Obama	47
Chester A Arthur	51
Grover Cleveland	55
Harry S Truman	60

President	Age
William McKinley	54
James A Garfield	49
William Howard Taft	51
Abraham Lincoln	52

Draw a histogram for each data set.

7)

Average Time to Maturity

Plant	Days
Mesclun	40
Spinach	44
Endive	47

Plant	Days
Turnip	55
Swiss Chard	60
Kale	60

Plant	Days
Romano Pole Bean	60
Yukon Gold Potato	65
Cantaloupe	80

Plant	Days
Sweet Potato	90
Brussel Sprouts	90
Celery	95

Plant	Days
Tomatillo	100
Gooseneck Gourd	120
Pumpkin	120

8)

Average Lifespan

Animal	Years
Lion	35
Cottontail	10
Teal	20
Macaw	50
Painted Turtle	11
Asian elephant	40
Grouse	10
Rhinoceros	40

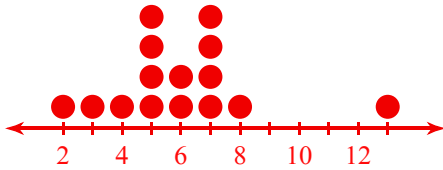
Animal	Years
Chinchilla	20
Bee (Queen)	5
Congo Eel	27
Pheasant	18
Prarie Dog	10
Nutria	15
Flying Squirrel	14
Pionus Parrot	15

Visualizing Data

Draw a dot plot for each data set.

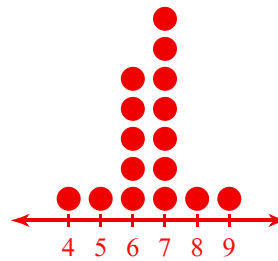
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Stem	Leaf
3	2
4	4 5 6
5	1 4 5 7 8 9
6	0 3 4
7	0 5 9

Key: 5|4 = 54

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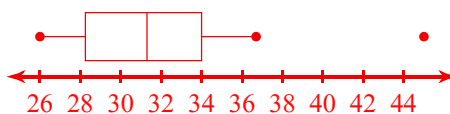
Stem	Leaf
2	0 1 2 2 9
3	2 3
4	
5	8
6	0 1 2
7	4 9 9
8	1

Key: 3|2 = 320,000

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30.2 30.6 31.1 31.5 32.1
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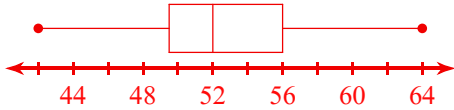
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7) Average Time to Maturity

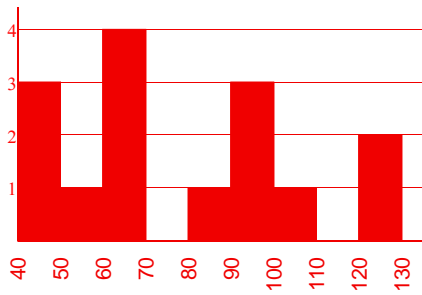
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