

Visualizing Data

Draw a dot plot for each data set.

1) Age at First Job

13 17 19 22 14 12 17
 18 21 17 17 16 14 19
 20 16 20

2) Life Expectancy

Country	Years
Mexico	77
Andorra	84
Liberia	59
Moldova	71

Country	Years
South Africa	61
United Arab Emirates	79
Finland	81
Qatar	76

Country	Years
Uganda	56
Algeria	73
Bangladesh	70

Country	Years
Nauru	73
Bhutan	71
Lebanon	81

Country	Years
Portugal	80
Papua New Guinea	68
Nicaragua	75

3) Age At Inauguration

President	Age
Martin Van Buren	54
Theodore Roosevelt	42
Zachary Taylor	64
James Madison	57

President	Age
George W Bush	54
Warren G Harding	55
Franklin Pierce	48
James Buchanan	65

President	Age
Rutherford B Hayes	54
Richard Nixon	56
Millard Fillmore	50
William McKinley	54

President	Age
James K Polk	49
Dwight D Eisenhower	62
John Adams	61

4) Academy Awards

Movie	# Awards
Shakespeare in Love	7
Crash	3
All About Eve	6
Driving Miss Daisy	4
You Can't Take It with You	2
West Side Story	10

Movie	# Awards
On the Waterfront	8
Marty	4
Gladiator	5
Chariots of Fire	4
Schindler's List	7

Movie	# Awards
Cavalcade	3
The Bridge on the River Kwai	7
Gentleman's Agreement	3
Lord of the Rings: Return of the King	11
Argo	3

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

5)

Life Expectancy

Country	Years
Burkina Faso	56.5
Sri Lanka	74.7
Dominica	77.5
East Timor	64

Country	Years
Bulgaria	74.5
Albania	74
Antigua & Barbuda	75.8

Country	Years
Azerbaijan	71.5
Swaziland	50
Lebanon	80.5

Country	Years
Micronesia	70
Sweden	83
The Gambia	59

Country	Years
Taiwan	80.6
Paraguay	74.7
Comoros	68

6)

Monthly Revenue

39,510 26,460 43,390 67,150
 28,670 39,320 48,310 47,150
 32,890 73,330 79,260 46,160
 33,620 29,430 24,960 48,760
 49,040

7)

Annual Household Income

12,250 38,850 36,000 9,100
 22,600 13,700 24,550 7,300
 5,100 13,100 7,000 22,950
 27,250 14,550 22,550 7,450
 14,750

8)

Nobel Laureates

Name	Age
Ivar Giæver	44
William Daniel Phillips	49
Arvid Emil Carlsson	77
Kary Banks Mullis	48
Hans Georg Dehmelt	67
Erwin Neher	47

Name	Age
Rita Levi-Montalcini	77
Ferid Murad	62
Imre Kertész	73
Koichi Tanaka	43
Roger Bruce Myerson	56

Name	Age
Ryoji Noyori	63
Jorge Mario Pedro Vargas Llosa	74
Leymah Roberta Gbowee	39
James Dewey Watson	34
Andrew Michael Spence	58

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

9) Injuries Due to Distracted Driving per Month

8,670 7,577 11,204 6,120
 11,734 8,663 7,340 8,247
 9,401 9,931 9,600 10,135
 8,690 9,253 6,237 8,235
 5,491

10)

Mountain Heights

Name	Feet
Gyala Peri	23,930
Baltistan Peak	23,891
Gasherbrum IV	26,024
Annapurna II	26,040

Name	Feet
Changtse	24,747
Muztagh Ata	24,757
Makalu	27,838
Ghent Kangri	24,281

Name	Feet
Gangapurna	24,459
Pumari Chhish	24,580
Saser Kangri III	24,590
Apsarasas Kangri	23,770

Name	Feet
Lupghar Sar	23,622
Karjiang	23,691
Batura Sar	25,574

11) **Minutes to Run 5km**

27.2 24.6 21 30.5 37.4
 25.5 32.4 28 33.5 30.7
 27.2 24.6 35 33.9 46.9
 33.1 28.6

12) **Boiling Point**

Substance	°C	Substance	°C
Sodium	882.8	Sea Water	100.7
Water	100	Lead	1,750
Carbon	4,827	Sulphuric Acid	337
Ethanol	78.4	Phosphorus	280.5
Radium	1,140	Cobalt	2,870
Silver	2,162	Zinc	907
Silicon	2,357	Plutonium	3,232
Iron	2,862	Iodine	184.3
Aluminum	2,519		

Draw a histogram for each data set.

13)

Academy Awards

Movie	# Awards
Ben-Hur	11
Chicago	6
Driving Miss Daisy	4
All the King's Men	3
Casablanca	3
Rocky	3

Movie	# Awards
The Artist	5
The Greatest Show on Earth	2
Titanic	11
Going My Way	7
Marty	4
All Quiet on the Western Front	2

Movie	# Awards
From Here to Eternity	8
Unforgiven	4
Dances with Wolves	7
Argo	3
My Fair Lady	8

14)

Hours Slept

7.5	8.25	8.5	7.5	8.25	6
5.25	6.5	8	8.75	8.75	6
7.25	7.75	7.5	6.5		

15)

Shoe Size

8.5	7.5	9	8.5	8.5	6.5	10
7.5	8	7	10	8.5	6	8
10	8.5					

16)

Land Area of US States/Territories

Place	Area (km ²)
Pennsylvania	115,883
Georgia	148,959
New York	122,057
New Hampshire	23,187

Place	Area (km ²)
Rhode Island	2,678
Delaware	5,047
Colorado	268,431
North Carolina	125,920

Place	Area (km ²)
Montana	376,962
North Dakota	178,711
Indiana	92,789
Hawaii	16,635

Place	Area (km ²)
Illinois	143,793
Connecticut	12,542
Oklahoma	177,660
Wisconsin	140,268