

## Extra Credit: Visualizing Statistics

Date \_\_\_\_\_ Period \_\_\_\_\_

**Draw a dot plot for each data set.**

1) Age at First Job

12 13 15 15 15 17 17  
 17 17 18 18 19 21 21  
 21

2) Age at First Job

12 13 13 14 15 16 16  
 16 16 17 17 17 17 18  
 19 22

3) Goals in a Hockey Game

2 3 4 4 5 5 5 7  
 7 7 9 9 9 10 11 11  
 11

4) # Words in Book Titles

1 1 1 2 2 2 2 2  
 2 2 2 2 2 3 4 5  
 5

5) Games per World Series

4 4 4 4 4 6 6 6  
 6 7 7 7 7 7 7 7

6) Shoe Size

7 7 7 8 8 8 8 9  
 9 9 9 9 9 10 11

7) Mens Heights (Inches)

62 62 65 67 68 68 68  
 70 70 71 72 72 72 74  
 74

8) Age at First Job

11 11 13 13 14 15 15  
 16 16 16 17 19 19 21  
 22 22

9) Hours Slept

6 6 6 7 7 7 7 7  
 7 7 8 8 8 9 9

10) Games per World Series

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

11) Games per World Series

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

12) Hours Slept

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

13) Goals in a Hockey Game

3 3 4 5 5 5 5 6  
 6 6 6 7 7 7 8 11

14) Hours Slept

6 6 6 6 7 7 7 7  
 7 7 7 8 8 8 8 9

15) # Words in Book Titles

1 1 2 2 2 2 2 2  
 2 2 2 3 3 4 6

16) Shoe Size

6 7 7 7 8 8 8 8  
 8 8 9 9 9 10 11 11

17) Hits in a Round of Hacky Sack

3 4 4 5 5 5 5  
 5 5 6 6 8 12 12  
 15 18

18) Mens Heights (Inches)

66 66 67 67 69 69 70  
 70 71 73 73 74 75 77  
 82

19) Age at First Job

12 13 13 14 15 16 16  
 17 17 17 18 20 20 21  
 22 22

20) Mens Heights (Inches)

63 64 65 65 65 68 69  
 69 69 70 70 70 71 73  
 75

**Draw a histogram for each data set.**

21) Shoe Size

6 6 7 7 7 7 7  
 7 7.5 7.5 8 8 8.5 9  
 10 10 11

22) Games per World Series

4 4 4 4 4 5 5 7  
 7 7 7 7 7 7 7

23) Age at First Job

13 14 14 15 15 16 16  
 16 16 16 17 17 17 18  
 18 19 21

24) Monthly Revenue

41,320 46,090 50,130 50,440  
 54,980 56,980 57,720 58,090  
 60,750 65,580 66,290 71,320  
 73,990 78,620 80,240 88,880

25) Monthly Revenue

40,050 42,830 45,060 47,110  
 48,080 48,110 49,740 55,660  
 56,070 61,710 65,220 65,420  
 74,640 75,550 86,940

26) Goals in a Hockey Game

1 3 3 4 4 5 5 6  
 6 7 7 7 9 9 9

27) Shoe Size

6.5 7 7 7.5 7.5 8 8  
 8 8 8 9 9.5 10 10  
 10 10 10

28) Injuries Due to Distracted Driving per Month

1,747 4,556 6,033 6,666  
 6,741 7,569 7,572 7,618  
 7,995 8,325 8,605 8,652  
 9,139 9,785 10,591 10,924

29) Shoe Size

6	6	6	7.5	7.5	7.5	7.5
8	8	8.5	8.5	8.5	8.5	8.5
9	9					

30) Shoe Size

6.5	6.5	6.5	6.5	7.5	8
8	8.5	8.5	8.5	8.5	8.5
9	9.5	10			

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

31) Minutes to Run 5km

23.1	23.2	25.1	26.5	26.6
29.7	29.9	31.2	34	34
34.9	36.2	39.2	39.5	40.6
41.4	46			

32) Monthly Revenue

30,840	31,330	36,680	40,840
41,780	42,820	42,980	46,490
47,960	48,830	58,340	58,510
58,890	64,300	65,450	68,240

33) Hits in a Round of Hacky Sack

3	4	4	4	5	5	5	5
5	6	6	7	8	12	13	

34) Annual Precipitation (Inches)

10.4	15.2	20	25	29.2
31.8	36.4	37.4	48.4	54.4
54.8	58.2	68.6	68.8	69.6

35) Minutes to Run 5km

23.8	25.5	25.7	27.5	28
28.5	31.1	32.4	32.6	32.8
34.4	35	35	35.6	39

36) Monthly Revenue

36,470	37,390	37,710	44,590
45,920	46,600	47,310	53,210
54,390	58,910	59,700	66,490
70,240	80,290	89,350	

37) Mens Heights (Inches)

61	65	67	70	70	71	72
72	72	73	73	75	75	75
75	77					

38) Mens Heights (Inches)

62	64	66	67	68	68	68
69	70	70	71	72	72	74
76	77	77				

39) Games per World Series

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

40) Monthly Revenue

49,810	50,050	50,180	53,020
55,760	60,070	63,900	67,160
68,880	69,850	73,270	78,250
78,820	79,560	81,990	97,440