✓ **Congratulations! You passed!**
TO PASS 70% or higher

[Keep Learning]
Retake the assignment in **7h 32m**

GRADE
85.71%

Advanced Graphing and Charting

LATEST SUBMISSION GRADE

85.71%

1. Download the spreadsheet "chicagocrimedata.xlsx" below. **Use the data in the "Question 1 - get data" tab for the remainder of the assignment.**

   `1 / 1 point`

   chicagocrimedata.xlsx

   Fill in the tab, "Question 1 - get data" using the VLOOKUP formula. What is the value in cell C200?

   79

   ✓ **Correct**

2. Use a pivot chart to create a bar plot of the average assaults by day of week. Which days of week has the fewest assaults on average?
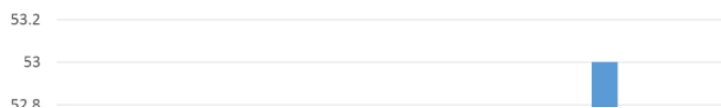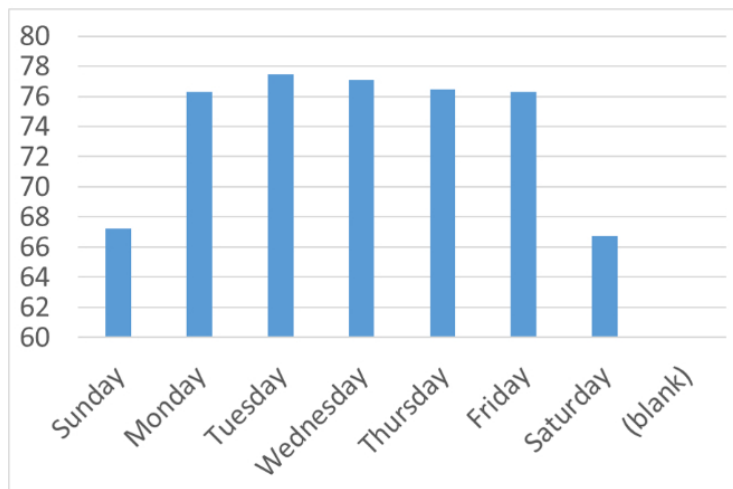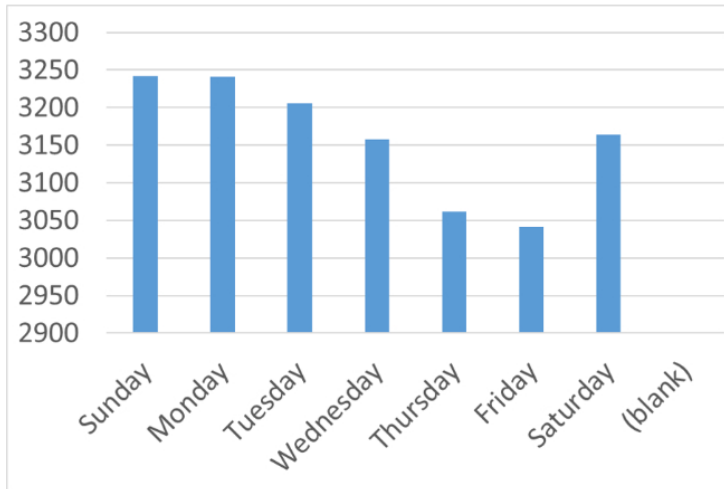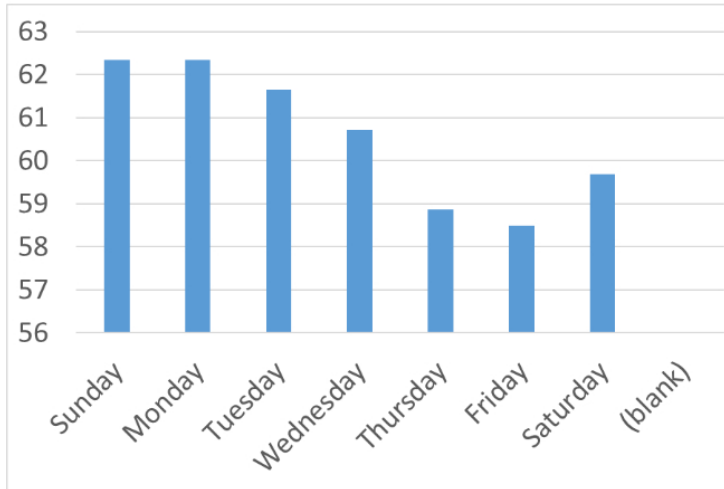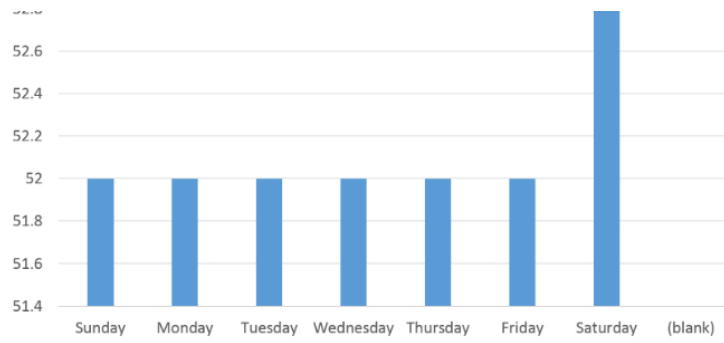
   `1 / 1 point`

   ○ Weekdays (Monday - Friday)

   ◉ Weekends (Saturday and Sunday)

   ○ Sunday and Monday

   ○ Friday and Thursday

   ✓ **Correct**

3. Modify the pivot plot to plot the average temperatures by day of week. What does it look like?
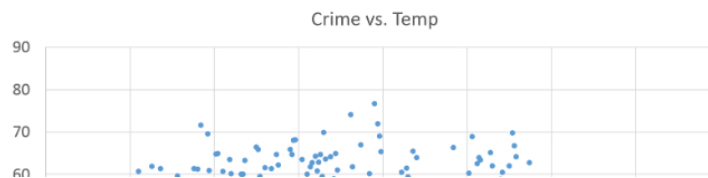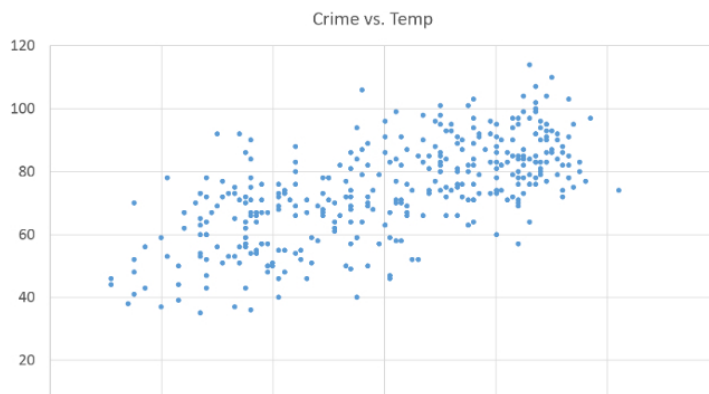
   `1 / 1 point`

   ○

   ○

52.6
52.4
52.2
52
51.8
51.6
51.4

Sunday Monday Tuesday Wednesday Thursday Friday Saturday (blank)

○

63
62
61
60
59
58
57
56

Sunday Monday Tuesday Wednesday Thursday Friday Saturday (blank)

○

3300
3250
3200
3150
3100
3050
3000
2950
2900

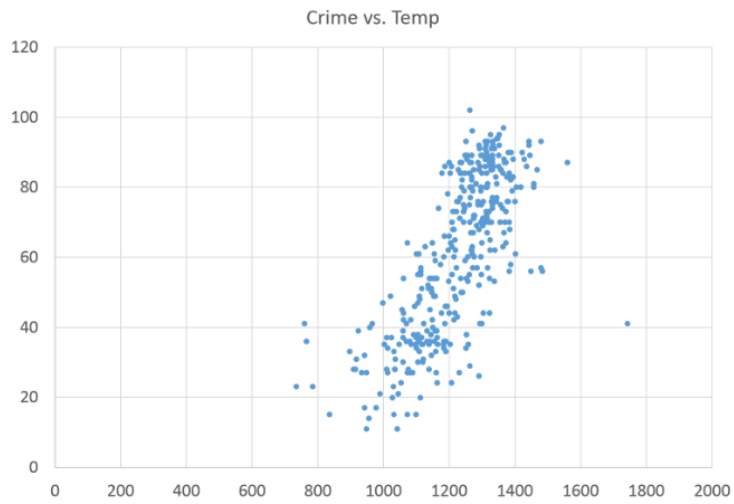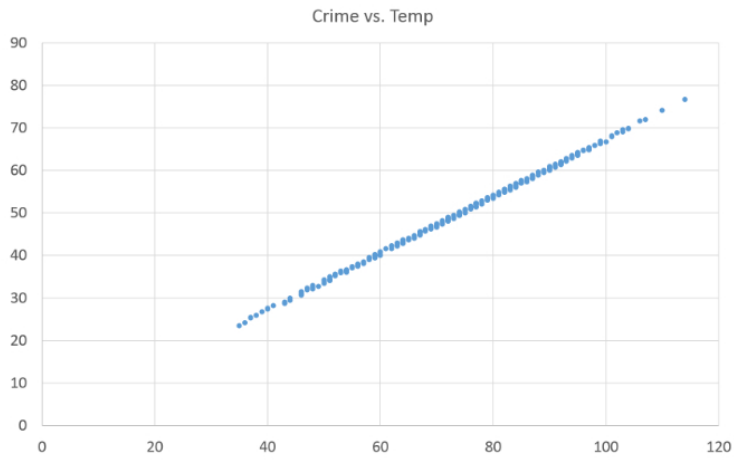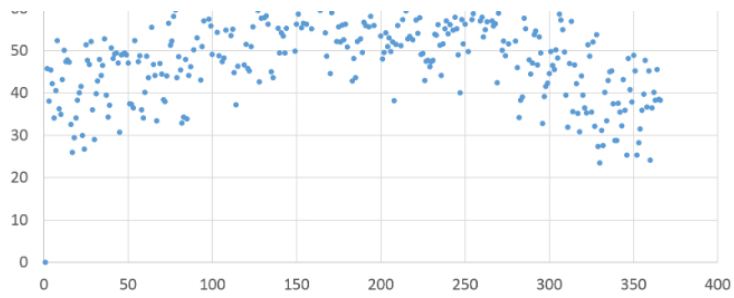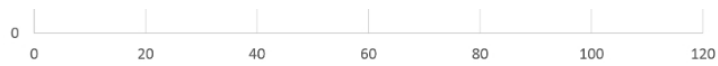Sunday Monday Tuesday Wednesday Thursday Friday Saturday (blank)

✓ Correct

4. Create a scatter plot of Assault (Y axis) vs. Temperature (X axis). What does it look like?   1 / 1 point

○

Crime vs. Temp

90
80
70
60

○

Crime vs. Temp

○

Crime vs. Temp

◉

Crime vs. Temp

0						
0	20	40	60	80	100	120

✓ Correct

5. What is the possible relationship between crime and temperature?   1 / 1 point

◉ Crime increases as temperature rises.

◯ Crime decreases when temperature rises.

◯ Temperature and crime are unrelated.

◯ Temperature increases as crime rises.

✓ Correct

6. Find the minimum and maximum number of assaults, and create 10 evenly spaced bins that cover the data   1 / 1 point
on assaults. What is the approximate bin width?

◉ 8

◯ 10

◯ 15

◯ 2

✓ Correct

7. Create a histogram using the assaults data and 10 bins. What can you conclude based on the histogram?   0 / 1 point

◯ The distribution of assaults is skewed to the right.

◯ The distribution of assaults is symmetric.

◯ 100 assaults is about a typical day in Chicago.

◉ Crime is highest midweek?

! Incorrect