Thanksgiving Data Analysis Practice

Using the file 2018thanksgivingdata.docx (on the class website)

1. Save file as lastnameperiod#_thanksgivingdata.xlsx (lemos2_thanksgivingdata.xlsx)
2. Insert a new column on the far left
   - Label it "Student"
   - Format it the same as the other headers
   - Number each sample in sequential order
3. Merge A1-A3 and center text
4. Adjust E so the text fits
5. Adjust G so the text fits
6. Adjust H so the text fits
7. Insert a column to the right of E and title it Sex #
   - Insert a comment in F3 (Sex #)
      "Sex 0 = Male, 1 = Female"
   - Copy the data from column D into column E
   - Highlight column F data
   - Search and replace F= 1, M = 0
8. Insert a column to the right of G and title it Celebrate #
   - Insert a comment in H3 (Celebrate #)
      "Do you celebrate Thanksgiving? 0 = No/Not Every Year, 1 = Yes"
   - Copy the data from column G into column H
   - Highlight column H data
   - Search and replace Yes = 1, No = 0, Not Always = 0
9. Insert a comment in I3 (People)
   - "How many people attend Thanksgiving Dinner 1= less than 5, 2 = 5-10, 3= more than 10
10. Insert a column to the right of J and title it Side
    - Insert a comment in K3 (Side)
       "Favorite food is a side? 0 = No , 1 = Yes"
    - High light all data including headers
    - Sort Data by Side, Sort On Values, Order A to Z (make sure to check "My data has headers)
    - Manually Replace data in column J with either a 0 or 1
11. Calculate the Mode, Median, and Mean of columns C through I using rows 141, 142, 143 respectively
12. Create a pivot chart and table that shows the age of students whose favorite food is a side while filtering for how many people come to Thanksgiving.

Assignment is on the back

Using the data set find the following information and **write your answers in a text box on the spreadsheet.**

1. Most frequent favorite Thanksgiving Food
2. The percentage of students' Thanksgiving Food is a side
3. Average age (mean and median)
4. The percentage of students of each period that are female
5. Correlation of Sex and Favorite Activity
    a. Is it a strong or weak correlation?
6. Correlation of Favorite Activity and Favorite Food
    a. Is it a strong or weak correlation?
7. Correlation of How Many People and Favorite Activity
    a. Is it a strong or weak correlation?
8. Can any conclusions be made from the data in this spreadsheet? Explain

Submit your file on the class website under Unit 2