**A picture containing text

Description automatically generatedPython Workshop**

**Baruch AIS**

Imagine you are a business analyst at Cycle Sales, a small business in New York City selling bike equipment. The manager asked you to analyze the Transactions worksheet from 2017. He is interested in the following:

1. What was the most popular brand in 2017, in other words, which product line had the highest number in sales?  
   Answer: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. Which brand was most profitable? Hint: Standard Cost- List Price= Profit  
   Answer: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. Which month was most profitable?  
   Answer: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

After you analyzed the Transactions worksheet, he also wants to learn more about the current customers. He wants to know the following:

1. Which age group has purchased most items based on the 2017 Transactions?  
   Answer: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. Which gender bought more? Male/ Female/Undefined?  
   Answer: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

To help your manager better understand your findings, include graphs as needed!

Additional Resources: https://matplotlib.org/3.1.0/gallery/color/named\_colors.html

**Good luck! ☺**