**Exam II- part 2- Fall 2020**

**Due Date-** End of the day on Dec 3rd

40 points total

**Deliverable-** Use the dataset provided to answer following questions. Please submit a single jupyter notebook with your name, code as well as program output for each question below. Use new cells to answer each question.

Exam is to be done individually! Honor code in place.

1. Perform standard import for pandas, numpy and matplot

2. Read in the csv file and display some of the basic info (most important-

read the dates) such as mean, median, range, quartile, etc.

3. Filter the columns down to the ones we need to look at for customer sales

4. Group the customers by name and sum their sales

Hint- use groupby method

5. Create a basic bar chart for the sales data and show it

6. Do a similar chart but break down by category in stacked bars

7. Select the appropriate columns and group by name and category

8. Plot and show the bar chart

9. Create a simple histogram of purchase volumes

10. Create a line chart showing purchases by month

11. Show the image, then save it (Hint-use savefig method)