

Make sure to fill this out about your team:	
<b>Team Letter (based on seating):</b> <b>A B C D E F G H I J K L</b> <small>(circle one)</small>	<b>CS 105, Section AY__</b> <small>(fill out your section letter)</small>
<b>Your NetID:</b> <input style="width: 100%; height: 20px;" type="text"/>	<b>Your Name:</b> <input style="width: 100%; height: 20px;" type="text"/>
<b>Second NetID:</b> <input style="width: 100%; height: 20px;" type="text"/>	<b>Second Name:</b> <input style="width: 100%; height: 20px;" type="text"/>
<b>Third NetID:</b> <input style="width: 100%; height: 20px;" type="text"/>	<b>Third Name:</b> <input style="width: 100%; height: 20px;" type="text"/>
<b>Fourth NetID:</b> <input style="width: 100%; height: 20px;" type="text"/>	<b>Fourth Name:</b> <input style="width: 100%; height: 20px;" type="text"/>
<small><i>Your NetID is a series of up to 8 characters, like "jsmith2".</i></small>	

**Overview**

In lecture this week, you have learned the basics of **Microsoft Excel**: the most widely used tool for displaying and analyzing data. For this week's lab, you will take that basic knowledge and analyze a simple data set of different purchases around campus.

As we have done in the past, you will find that we have prepared a file for you on the course website. Unlike previous weeks, the file this week is an **.xlsx** file. You do not need to extract this file since it is not a ZIP file. You should be able to double click the file and the file will open inside Excel.

**Lab Assignment**

Unlike previous weeks, **you will turn in this lab sheet**. You should work on the spreadsheet that you have downloaded and answer the questions below:

**Q1:** Scroll through the data provided in the Excel spreadsheet and find the **most expensive purchase** recorded on the spreadsheet. Answer the following questions about that entry:

*Merchant name:* \_\_\_\_\_

*Purchase Amount:* \$ \_\_\_\_\_

**Q2:** Using an Excel function learned in lecture, what is the **average** amount purchased across all the days listed on the spreadsheet?

**(a):** *What formula did you use?* = \_\_\_\_\_

**(b):** *What was the average amount purchased?* \$ \_\_\_\_\_

**Q3:** Using an Excel function learned in lecture, what is the **average** amount purchased **from restaurants** across all the days listed on the spreadsheet?

*(a): What formula did you use? = \_\_\_\_\_*

*(b): What was the **average** amount purchased from restaurants? \$ \_\_\_\_\_*

**Q4:** Using an Excel function learned in lecture, what is the **total** amount purchased **from apparel merchants** across all the days listed on the spreadsheet?

*(a): What formula did you use? = \_\_\_\_\_*

*(b): What was the **total** amount purchased from apparel merchants? \$ \_\_\_\_\_*

**Q5:** Using an Excel function learned in lecture, what is the **total** amount purchased **from restaurants during the month of January** from the spreadsheet?

*(a): What formula did you use? = \_\_\_\_\_*

*(b): What was the **total** amount purchased from restaurants in January? \$ \_\_\_\_\_*

### **Submitting the Lab**

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This week, you do not need to upload anything to the CS 105 website. Instead, **turn this sheet into your TA** and she or he will randomly grade one of your submissions. Before turning in this sheet:

1. Double check all of your answers with the Excel spreadsheet and your teammates' sheets.
2. Make sure your name appears on the top of every sheet that your team is submitting.