

Make sure to fill this out about your team:

Team Letter (based on seating):

A B C D E F G H I J K L
(circle one)

CS 105, Section AY__

(fill out your section letter)

Your NetID:

Second NetID:

Third NetID:

Fourth NetID:

Your NetID is a series of up to 8 characters, like "jsmith2".

Your Name:

Second Name:

Third Name:

Fourth Name:

Overview

Similar to last week, you will find that we have prepared a file for you on the course website. Just like last week, 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.

As a reminder, the functions you have seen in lecture so far are:

- Counting cells: =COUNT(), =COUNTIF(), =COUNTIFS(), and =COUNTA()
- Summing cell values: =SUM(), =SUMIF(), and =SUMIFS()
- Averaging cell values: =AVERAGE(), =AVERAGEIF(), and =AVERAGEIFS()
- Min/max values in an array: =MAX() and =MIN()
- Finding a value/index in an array: =INDEX(), =MATCH(), and =VLOOKUP()

Lab Assignment

As you did last week, **you will turn in this lab sheet for this week**. You should work on the spreadsheet that you have downloaded and answer the questions below with your team:

Q1: How many weeks was the **overhead cost** \$75,000 or more?

(a): What formula did you use? = _____

(b): What was the answer? _____

Q2: Using a formula, how many weeks did the work include work from Customer ID **RH-849**?

(a): What formula did you use? = _____

(b): What was the answer? _____

Q3: Using a formula, how many weeks was **over 1,000 labor hours billed** and work was done for Customer ID **RH-194**?

(a): What formula did you use? = _____

(b): What was the answer? _____

Q4: In the data set, you will find that Customer ID **AB-888** appears only once. Using a formula, find overhead cost for the week where the Customer ID **AB-888** appears. Your formula must both find the index where Customer ID **AB-888** appears and then use that index to find the overhead cost. *(Using 14, 15, B16, or other hard-coded values will be graded as incorrect.)*

(a): What formula did you use? = _____

(b): What was the answer? _____

Q5: What Customer ID(s) were billed on the week with the highest number of **labor hours**?

(a): What formula did you use? = _____

(b): What was the answer? _____

Submitting the Lab

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.