

① Question: Which classes are the most popular among students? (like which ones fill up super extremely fast)

② The user would compare the average time that takes for a class to be filled up, with the class that got filled up the fastest.

The user would standardize the data to compare which classes get filled up faster compared to classes that don't get filled up quick.



NO DATA

Disregard ↑

① Question: What's a 4 credit hour class that does not require many hours of weekly work?
(CSCI classes)

② The user would compare the average of hours spent in a class, with the lowest number of hours spent in a class. (4 credit classes)

• The user would compare the lowest amount of hours spent in the class, with the number of students that passed the class.

③ Data from FCQ's to obtain the number of hours spent on each class in the CSCI department.
• Data from the FCQ's or the classes catalog of CU Boulder w/ the CSCI classes.

* FCQ: Colorado.edu → FCQ results * Grade distribution (Colorado.edu)

* Catalog.Colorado.edu → Courses A-Z → csci

(4)

CSCI 4 credit hr. classes	
Class	Hours per week
CSCI 1220 Intro to Comp Sci	7-9
CSCI 1300 Starting Computing	10-12
CSCI 2270 Data Structures	7-9
CSCI 2275 Programming and Data	No data
CSCI 3104 Algorithms	10-12
CSCI 3155 PPL	10-12

← Data needed for 1st visualization w/Average of hrs per week

Search Classes	Search Results
<input type="text" value="Title, Subject"/> <input checked="" type="checkbox"/> Credit hours ←	
<input type="text" value="Spring 2019"/> <input type="button" value="▼"/>	
<input type="text" value="Any Subject"/> <input type="button" value="▼"/>	
<input type="text" value="Any Campus"/> <input type="button" value="▼"/>	
<input type="text" value="Any Career"/> <input type="button" value="▼"/>	
<input type="text" value="Any course level"/> <input type="button" value="▼"/>	

(5)

Search Class	Search Results
CSCI	Found 76 courses
4 credit hrs	CSCI 1220 Introduction to Computer Science 1 Lecture, 6 laboratories → 7-9 hours of work per week
Fall 2018	CSCI 1300 Starting Computing 3 Lectures, 12 recitation → 10-12 hours of work per week
CSCI	
CU Boulder	
Any career	

① 2nd visualization

② Question: What's a 4 credit hour class that has the best average of students passing with an A & does not require more than 10 hours of work per week?

③ The user would compare the average number of students that pass with an "A" grade & the hours of work per week with the class with the higher average of student that got "A"

- ③ - Data from Colorado.edu. → Grades distribution & FCQ's. There is an excel sheet you can download to obtain the grades distribution of EVERY class
- Catalog.colorado.edu → coursesA-Z → CSCI to look at the credit hours

④ Data needed

CSCI 4 cred. hrs	Averages	Worked hrs per week
Class	PCT A → 49% PCT B → 17% PCT C → 16%	7-9
CSCI 1220 Intro to CompSci	PCT A → 47% PCT B → 26% PCT C → 14%	10-12
CSCI 2270 Data Structures	PCT A → 47% PCT B → 28% PCT C → 13%	7-9

⑤	
Search Class	Search Results Found 76 courses
CSCI	CSCI 1220 Introduction to Comp Science 1 Lecture, 6 laboratories → PCT A → 49% → 7-9 hours of work per week
4 credit hours	
Average of A	
Fall 2018	CSCI 1300 Starting Computing 3 Lectures, 12 recitations → PCT A → 47% → 10-12 hours of work per week
CSCI	
CU Boulder	