

① Question: Which classes are the most popular among students? (like which ones fill out ^{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

① Question: What's a 4 ~~to~~ credit hour class that does not requires many hours of weekly work? (CSC I 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 FCA's to obtain the number of hours spent on each class in the CSC I department.
• Data from the FCA's or the classes catalog of CU Boulder w/ the CSC I classes.

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

* Catalog: Colorado.edu → Courses A-Z → CSC I

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
Title, Subject	
Credit hours ←	
Spring 2019	
Any Subject	
Any Campus	
Any Career	
Any course level	

⑤

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

2nd visualization

① 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?

② 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 & FCA's. There is an excel sheet you can download to obtain the grades distribution of EVERY class.
 - Catalog Colorado.edu → courses A-Z → CSCI to look at the credit hours

④ Data needed

CSCI 4cred. hrs	Averages	Worked hrs per week
Class • CSCI 1220 Intro to CompSci	PCT A → 49% PCT B → 17% PCT C → 16%	7-9
• CSCI 1300 Starting Computing	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
4 credit hours	1 Lecture, 6 laboratories
Average of A	→ PCT A → 49% → 7-9 hours of work per week
Fall 2018	CSCI 1300 - Starting Computing
CSCI	3 Lectures, 12 recitations
CU Boulder	→ PCT A → 47% → 10-12 hours of work per week