Data Exploration Activity 1 - Group Breakout Room 1 Guide and Notes (Subsequent Course Grades)

Reminder: You must be connected to the campus network through the [GlobalProtect VPN](#) to access the CSUMB Data Warehouse.

Instructions:
Use the [Subsequent Course Grades](#) page on the Grades Dashboard to explore student outcomes (grades) in a preceding course and a subsequent course taken after the preceding course. It will be best for one group member to share their screen so that you can explore the data as a group and discuss.

To identify appropriate sequences of courses, navigate to the [Catalog](#). The **CSUMB Catalog** is also linked from the dashboard:

Within the Catalog, select a program from the [Programs and Degrees](#) to see courses required for particular programs.

You may also want to look at [General Education](#) courses for Undergraduate Requirements.

Identify several preceding and subsequent course sequences to analyze.

By default, all Letter Graded and Credit / No Credit Course Grades are selected for the preceding course. To vary your analysis, you should select different combinations of Grades for the preceding course to see how students that received those grades did in the subsequent course.

For example you may want to try the below:
- Choose only "Excellent", "Good", "Satisfactory", and "Passing" grades for the preceding course to see the performance in the subsequent course of only the students that received passing letter grades in the preceding course.
- Alternatively, choose only "Failing", "Incomplete Charged", "Withdraw", and "Withdraw Unauthorized" for grades for the preceding course to see the performance in the subsequent course of only the students that did not successfully complete the preceding course.
- Unsure about what grade descriptions correspond with what grade codes? Use the **Lookup Grade Descriptions and Corresponding Grade Codes** analysis that is linked within the selection menu for the preceding course information. (See screenshot below.)

Step 1: Select Preceding Course Information

Lookup Grade Descriptions and Corresponding Grade Codes

* Preceding Course Subject
MATH

* Preceding Course Catalog Number
130

* Preceding Course Term
2017 Fall

* Preceding Course Grade Basis
Credit / No Cre

* Preceding Course Grade Description
(All Column Values)

Apply Reset

Questions to answer as a group

Someone from your group should record notes on your discussion of the questions below for sharing out. IAR will also review your notes below for any feedback that we can use to improve this dashboard page.

Question 1: Who are the members of your group?
Answer: Dave Reichard, Christina Rocchi, Camilia Lewis, Renee Krueger, and Veronica Chukwuemeka

Question 2: What preceding and subsequent course sequences did you choose to analyze and what were your findings for those courses? Was there anything that surprised you about your analyses? What are the key takeaways regarding these courses?
Answer: CAD 101A (preceding) and CAD 101B (subsequent) of the 130 received credit for CAD 101A, 124 went on to CAD 101B in Fall 2019. Five of the six students moved on to HCOM 110 instead of CAD 101B, and 4 passed with credit. 29 received no credit, and 1 withdrew, of those students none repeated the CAD 101A class.

Question 3: Did you have any problems as you completed your analyses?
Answer: we initially forgot to reset the grade basis. In comparison between STAT100 and SBS 321, we could not sort the data because 321 is too new of a class, however SBS366 worked as it contains a longer history to follow.

Question 4: What suggestions do you have for improving this dashboard page?
Answer: It would be good to add the ability to filter/search by GE Area as well as course prefix/number.
It would also be nice to be able to filter by program. For example: STAT 100 serves as pre-reqs for many many programs' degree requirements - it may be useful to be able to filter out the SBS students who took STAT 100 and how it impacted their success rate in 300-level Research Methods degree requirement.