

From: Pino Trogu trogu@sfsu.edu
Subject: enrollment dataset
Date: October 3, 2023 at 6:12 PM
To: katielynch@sfsu.edu
Bcc: Pino Trogu trogu@sfsu.edu



Hi Katie,

I attach the Excel dataset I showed you today after the SAC meeting ended, and a PDF I made for the students on how to get the data online. I cleaned up the spreadsheet a bit so it might differ slightly from the original online.

My question was which rows can safely be filtered out if they are actually duplicate units. For example, when I cleaned up the spreadsheet I deleted all the totals for the each college as those are obviously duplicate data, and just kept all the individual department rows. But some departments say "All college" so I was not sure about those.

In the infographic attached (treemap 2017-2022), I filtered out these rows:

All University
BUS All College
ED All College
EL All College
HSS All College
IntDisc All College
SciEng All College

The brown/orange color shift in the treemap indicates the enrollment trend (positive or negative between Fall 2017 and Fall 2022), however the "center" of the scale is set at minus 15% (I averaged all the rows, so that's the university average; sound right?). The steps in the scale are every 15 percentage points in both direction from -60% to +60%. The size of the shape indicates Fall 2022 headcount.

So a shape that is green is doing better than the average, while the red shapes are doing worse. The actual true percentage point change is shown in every shape, under the enrollment number for Fall 2022. If I had set the center of the scale at zero almost all the shapes would be brown.

The PDF is static and incomplete, and as noted it is "as is"! Not responsible for any errors, it's just a draft. The quick time movie shows how the chart can be interactive. The attachment is big (25MB) — I hope you can download it if necessary.

I actually shared a printed version of the graphic with the provost recently during academic senate. I also shared two not-so-great bar charts from recent UBC presentations, also attached.

Let me know if there is a rule to filter out the correct rows, if appropriate, because it would really make the graphic correct — now I am just guessing :(

Best,

Pino

Pino Trogu
Professor, School of Design
San Francisco State University
trogu.com
faculty.sfsu.edu/~trogu

NOTE: all files mentioned as attachments above are found in this folder:
https://www.trogu.com/Documents/classes/523/2023/fall_2023/sfsu_data_draft