

ABRACA-DATA



California State
University Chico

Project DA-FANH internship experience at CSU Chico's Institutional Research & Strategic Analytics

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IRSA & Project Deliverables

IRSA:

- Institutional Research and Strategic Analytics
- Provides data analysis and reporting to the University and other campus units

Project:

- Exploratory Research on improving current dashboards

Tableau:

- Data visualization software

Dashboards:

- Enrollment
- Degrees Awarded



Fact Book

These interactive data dashboards provide the most up-to-date numbers available to campus.

Dashboards present data visually. Tabs across the top take you to different items of interest.



Navigation to other Tabs

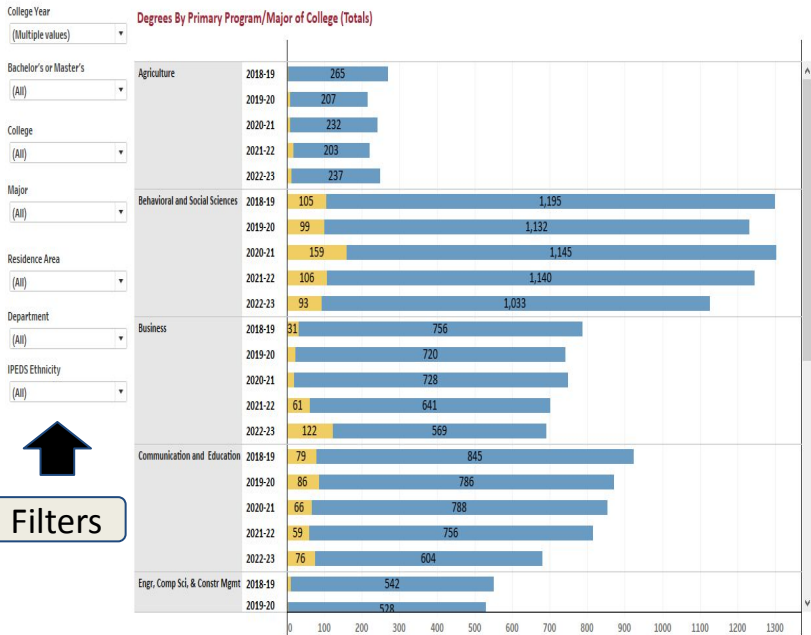
- At A Glance
- Awarded Graph
- Primary Program/Major
- Navigation
- Navigation
- Glossary



Degrees By Primary Program/Major of College

This dashboard graphically presents degrees awarded by Primary Program/Major of College, by Bachelor's or Master's degree type.

Directions: Each tab (above) will take you to a different degree dashboard that compares groups. Hovering over each data point on all dashboards provides additional information.



Changed the Format

Graphs are rearranged

- Degrees at a Glance
- Degrees Awarded Graph
- Degrees Awarded By Primary...
- Degrees Awarded By Level an...
- Degrees Awarded - Average U...
- Glossary of Terms



Degrees By Primary Program/Major of College

This dashboard graphically presents degrees awarded by Primary Program/Major of College, by Bachelor's or Master's degree type. Each tab (above) will take you to a different degree dashboard that compares groups. Hovering over each data point on all dashboards provides additional information.

Degree Year (Multiple values)

College (Multiple values)

Department (All)

Major (All)

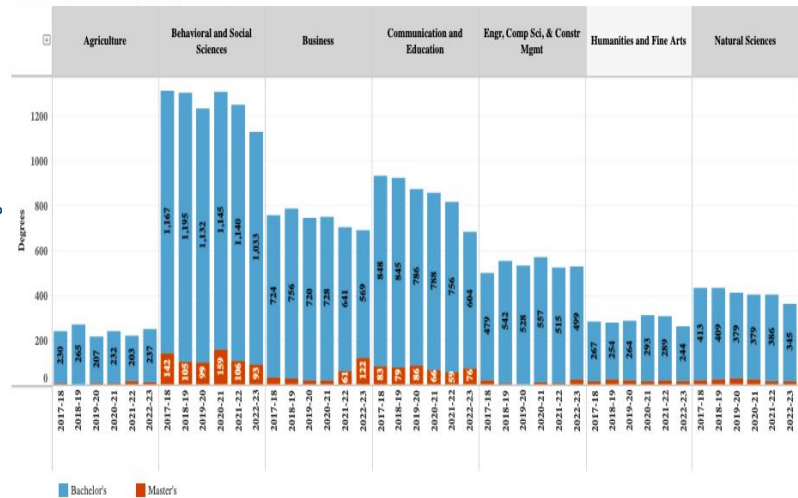
Residence Area (All)

Historically Underrepresented Groups (All)

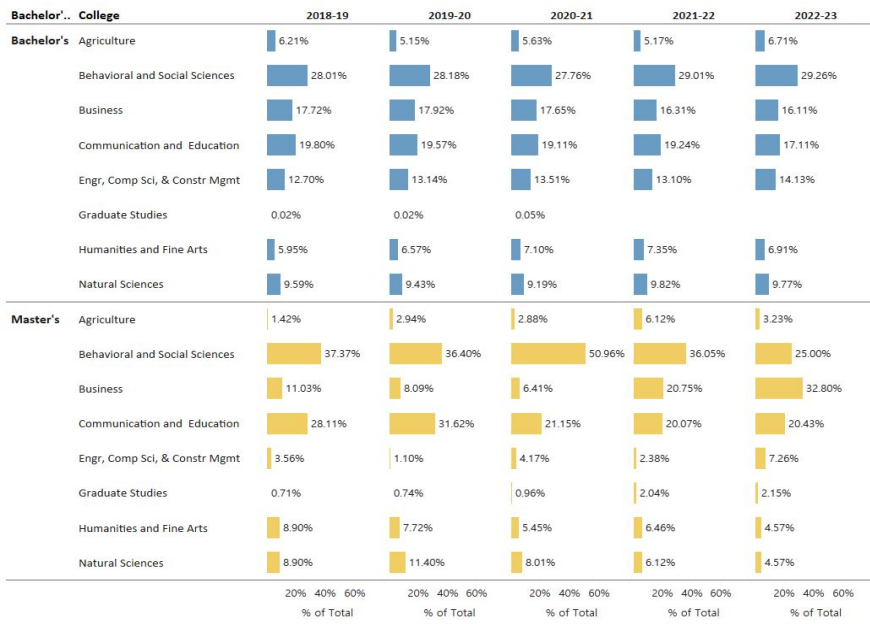
IPEDS Race/Ethnicity (All)

Bachelor's or Master's (All)

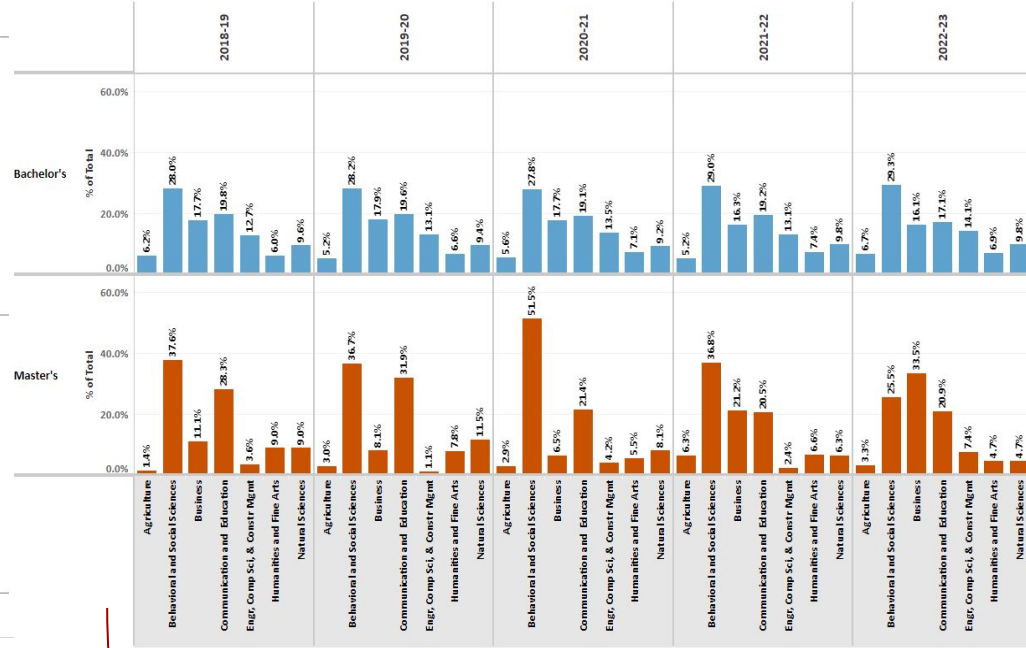
Degrees By Primary Program/Major of College (Totals)



Degrees By Year By Primary Program/Major of College (Percent)



Degrees By Year By Primary Program/Major of College (Percent)



Hardships

- ✦ No prior experience with Tableau
- ✦ Understanding the filters and what they meant
- ✦ Facing challenges in Creativity



Solutions

- ✦ Don't be afraid to ask your team questions
- ✦ Take your time in learning a new tool/skill
- ✦ Small steps to Big Wins

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Enrollment at a Glance

Enrollment at a Glance dashboard features information and data visualizations regarding specific areas of interest.

Yearly Enrollment

Select these filters to adjust your AT A Glance Dashboard.

College Year1: (All)

Student Enrollment Type1: (All)

IPEDS Ethnicity1: (All)

Gender: (All)

DOM Flag: (All)

College1: (All)

Major1: (All)

Gender

First Generation

IPEDS Ethnicity

First Generation by URM

URM Pie Chart

California State University Chico

Enrollment at a Glance

Enrollment at a Glance dashboard features information and data visualizations regarding specific areas of interest.

College Year: 2023-24

Term Type: Fall

Term Enrollment Type: (All)

College of Major: (All)

Enrollment by County

Enrollment by College of Primary Major

Enrollment: 13,999

FTEs: 13,012.5

Full-Time: 12,471

Part-Time: 1,528

Gender

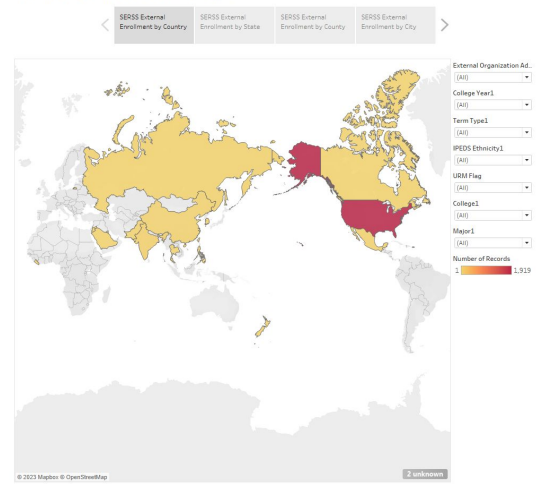
First Generation by IPEDS Race/Ethnicity

First Generation

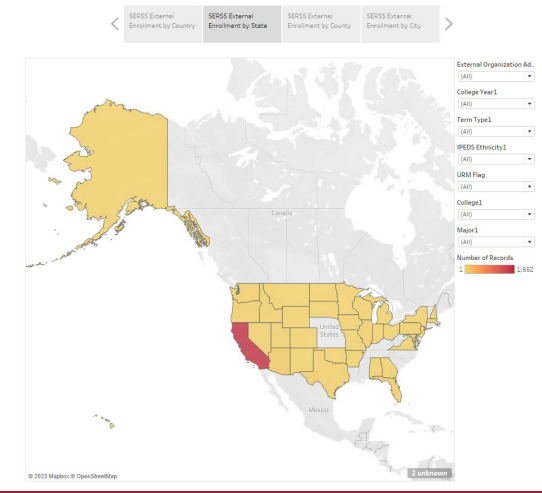
Underrepresented Minority (URM)

First Generation by URM

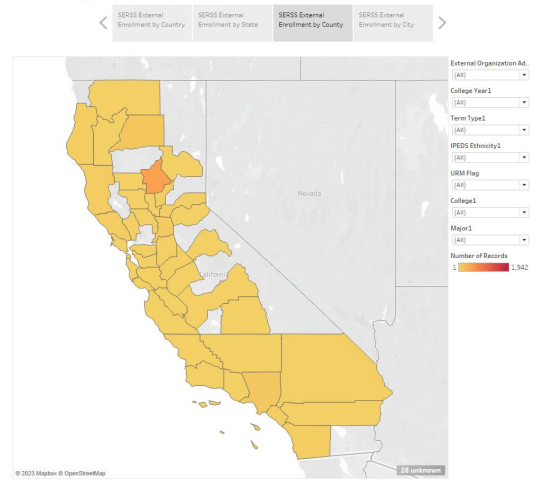
External Organization Detailed Maps



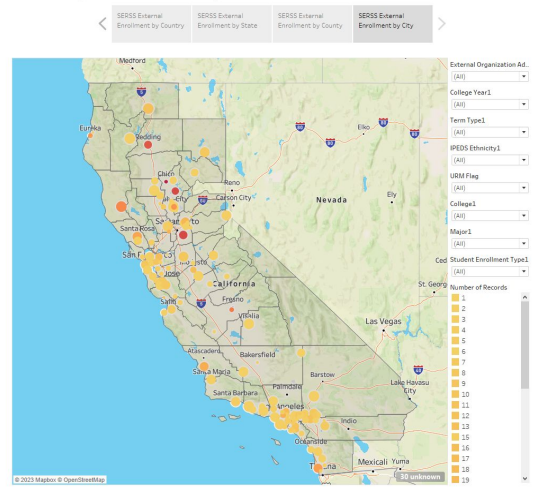
External Organization Detailed Maps



External Organization Detailed Maps



External Organization Detailed Maps



Evan's Hardships

1. Getting started on the project & figuring out what to work on
2. Understanding the data
3. Unable to download Tableau on our computers
4. Nesting a filter inside of another filter

Evan's Solutions

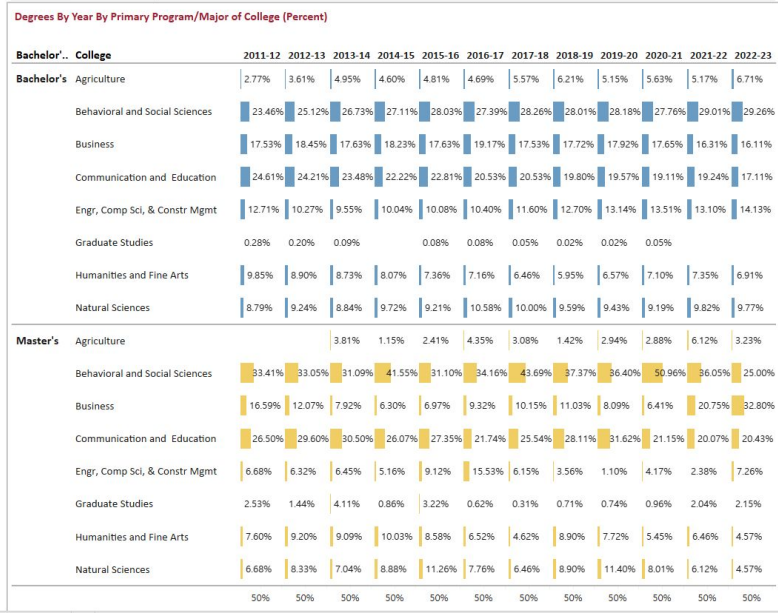
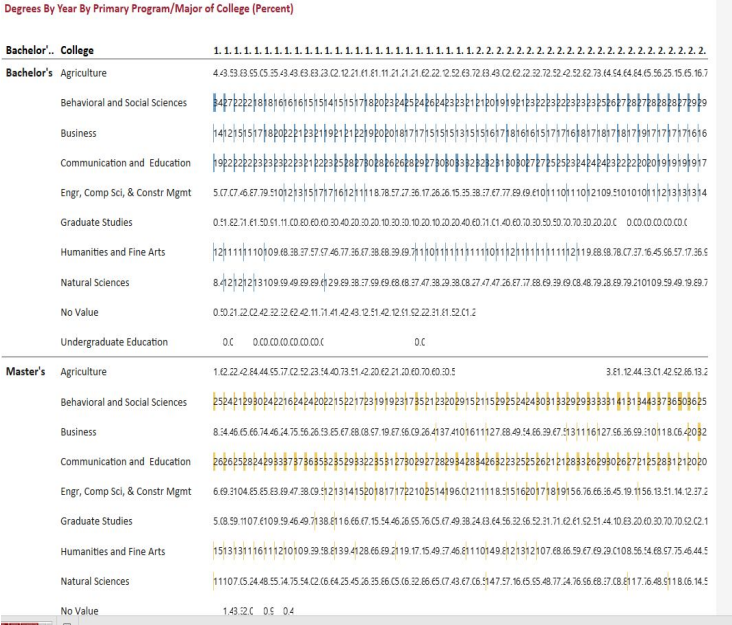
1. Constant flow of communication
2. Dedicating time to reading the data and asking many questions
3. Tableau Community assistance
4. Still unsolved

Recommended Improvements

- Using too many filters appears intimidating and can obscure the data presented in a table

What can happen...

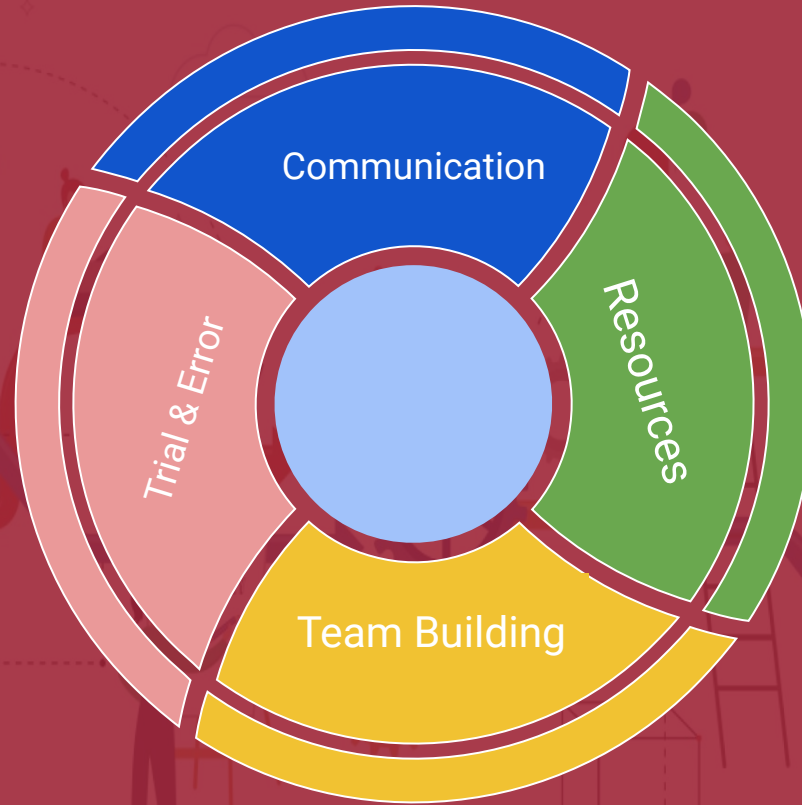
What should look like if minimizing the amount of filters used.



Recommended Improvements

- Pick out specific LinkedIn Learning videos to give to new interns.
- Thorough explanation of the data sheets and what is included in the dashboards.
- Immediately setting up meetings with the other employees at the start of the internship. It took a while to feel like part of the team.

Our Experience



Conclusion

- Major recommendations:
 - Improve the onboarding process
 - Dedicate the first 1-2 weeks to meeting the team and learning the data
- Outcome of our dashboards & what they are supposed to achieve:
 - Create new ideas for improving IRSA dashboards
 - Review & update original dashboards
- How we felt about the internship:
 - Evan: This was an amazing experience learning how to visualize data.
 - Telma: Would recommend to students, if I could do it all over again I would.

