Degrees Data Use Case

Case Study

- The Office of the Provost is concerned about the underrepresentation of women graduating with degrees in STEM (Science, Technology, Engineering, and Mathematics) fields. They want to identify specific programs where women are significantly underrepresented and develop targeted strategies to increase female enrollment and retention. The Provost aims to utilize comprehensive degrees data to pinpoint critical obstacles and formulate focused strategies aimed at boosting female STEM major recruitment, increasing the number of female STEM graduates, and fostering a more diverse and inclusive student community.
- To address the problem of underrepresentation of women graduating with degrees in STEM fields at San Diego State University (SDSU), you can utilize the resources available on the ASIR (Analytic Studies and Institutional Research) degrees data website effectively.

Methodology

- **Identify Disparities** by using the [Degrees by College, Major and Gender](#) and [Degrees by Ethnicity and Gender](#) dashboards to analyze the distribution of degrees awarded in STEM fields by gender, identify majors with significant gender imbalances and compare the representation of women in STEM fields to non-STEM fields.
- **Explore Underlying Factors** by using the [Degrees Profile](#) and [Degrees Interactive](#) visualizations to examine the impact of factors such as URM status, race/ethnicity, and first-generation status on gender disparities in STEM and analyze the relationship between academic performance and degree attainment for women in STEM.
- **Develop Targeted Strategies** such as implementing targeted recruitment efforts to attract more women to STEM programs, providing specialized academic support and mentorship programs for women in STEM, and creating a supportive campus climate that promotes gender equity and inclusivity.
- **Monitor Progress and Evaluate Impact** by tracking the enrollment and retention rates of women in STEM programs over time, evaluating the effectiveness of targeted interventions and adjusting strategies as needed, and collecting feedback from students and faculty to identify additional barriers and opportunities for improvement.