**Report Summary**

**Objective**

This project analyzes student enrollment, degree completions, retention and graduation rates, and staffing trends using simulated institutional data from 2019 to 2023. The purpose is to demonstrate data and analytical ability by building reports and a dashboard with SAS, SQL, and Power BI.

**Tools & Methods**

- SAS Studio for data import, cleaning, and summarization  
- SQL for querying and replication of analysis  
- Power BI for interactive dashboard development  
- CSV files structured to simulate real institutional data

**Datasets**

- Enrollment.csv: Student count by year, gender, residency, and distance status  
- Completions.csv: Degrees awarded by program, gender, and race  
- Retention.csv: Retention and graduation percentages over time  
- Staff.csv: Staff count by department, role, and gender

**Key Insights**

**Enrollment**

- Out-of-state and distance education enrollment increased significantly

**Degree Completions**

- Business and Computer Science programs awarded the most degrees

- Women in STEM completions trended upward each year

**Retention & Graduation**

- Retention rates dipped during the 2020 academic year, likely due to COVID-related disruptions, then recovered and peaked at 82% in 2022.

**Staffing**

- Growth in Admin roles, stability in Support roles, and Faculty roles look to trend downward.

**Visuals**







