

Module 4 Assignment

Tableau Dashboards with Higher Education Data

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EAI 6120: AI Communication/Visualization

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Analytical Dashboard

For this dashboard, I chose variables that quantify the performance of school in terms of academics, admissions, and performance of student after graduating from the school. The dashboard can be viewed here:

https://public.tableau.com/app/profile/nilay.anand/viz/Student_Dashboard_16569893989690/USSchools?publish=yes

The user can view a map of use and use multiple filters that show the number of students currently at the school, SAT score required and performance of student after leaving the school.

I chose the following variables for my dashboard:

- Institute Name
- Cost of Attending
- Number of undergraduate students
- undergrad awarded a federal loan
- Share of students who are part-time)
- Share of students earning more than a high school graduate
- SAT Math
- SAT Reading
- SAT Writing
- Title IV Eligibility type

The dashboard can be improved with more variable that show the performance of the student and includes a measure of ethnicities enrolled in the school. A rate of completion of degree can also be added.

Strategic Dashboard

For this dashboard, I chose variable that show the how the finances are for each school. An auditor can view the important aspects of a school's finance briefly. They have the option to select the school from a dropdown list. The dashboard can be viewed here:

<https://public.tableau.com/app/profile/nilay.anand/viz/USSchoolFinanceDashboard/SchoolFinanceDashboard?publish=yes>

I also added a map so the auditor can view a summary of the finance by hovering over a college.

The variables chose were as follows:

- Academic support-Total amount
- Investment return - Total
- Long-term investments
- Other revenue - Total
- Public service-Total amount
- Research-Total amount
- Student service-Total amount
- Total assets
- Total discounts and allowances Total expenses
- Total expenses
- Total expense- Total amount
- Total liabilities
- Total net assets
- Total restricted net assets
- Total revenues and investment return

With more time and iterative improvement, the dashboard can have more visualization that show some graphs so that the task of comparison of values can be easier.