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What is Data Visualization?
How is Data Visualization Used?

Regardless of industry or size, all types of businesses are using data visualization to help make sense of their data. Here’s how.

- Comprehend information quickly
- Identify relationships and patterns
- Pinpoint emerging trends
- Communicate the story to others
How does Data Visualization work?

- Data visualization is a quick, easy way to convey concepts in a universal manner – and you can experiment with different scenarios by making slight adjustments.
- Using charts or graphs to visualize large amounts of complex data is easier than using spreadsheets or reports.
Using Microsoft Excel

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AAE Undergraduate Students Dashboard

Panel 5

Panel 6

Panel 7

Term | College | Degree | Major
--- | --- | --- | ---
201680 | ALL | ALL | ALL

Applied 201680 | Applied 201580 | % Change
11668 | 10533 | 10.76%

Admitted 201680 | Admitted 201580 | % Change
6566 | 5914 | 11.62%

Enrolled 201680 | Enrolled 201580 | % Change
3028 | 2713 | 11.61%

Admit Rate 201680 | Admit Rate 201580 | % Change
56.27% | 56.15% | .13%

Enroll Rate 201680 | Enroll Rate 201580 | % Change
46.12% | 45.87% | .24%

COLLEGE
CB | CH | CS | ED | SA
--- | --- | --- | --- | ---
52% | 62% | 56% | 52% | 50%

44% | 49% | 41% | 46% | 45%

Freshman | Other 201680 | Transfer
51% | 78% | 57%

Gender
F | M
45% | 40%
Pros & Cons

Following are the Advantages of Dashboards

- Rich Interactive Dashboards and Visualization
- Identify Key Performance Indicators
- Improves Results
- Reduces Stress
- Increased Productivity and Profits
Pros & Cons

Following are the Disadvantages of Dashboards

- Dashboards have to be user specific depending on the users request.
- Dashboards may not work where you have mixed users in terms of frequency or the amount of content needed.
Overall Experience

- Valuable experience with WebFOCUS Business Intelligence tool for building Reports and Dashboards.
- Professional Development and Microsoft Office Suite fundamentals trainings.
- Gained much data analysis experience which will help to obtain future opportunities.
- Research and presentation skills.
Any Questions?
Thank You