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COSC 3337 Reading Material Data Visualization

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Part 1:

Florence Nightingale Causality Visualization: <http://www.stateoftheusa.org/content/florence-nightingale.php>

Luminance Equation (measures Brightness we actually see): <https://www.scantips.com/lumin.html>

Mach Bands: <https://www.newworldencyclopedia.org/entry/Mach_bands>

Color Vision Deficiencies: <https://en.wikipedia.org/wiki/Color_blindness>

How to use a proper scale for a graph: <https://www.bing.com/videos/search?q=how+to+use+a+proper+scale+for+a+graph&view=detail&mid=55545A320C825408077055545A320C8254080770&FORM=VIRE>

<http://desktop.arcgis.com/en/arcmap/10.3/manage-data/editing-existing-features/scaling-a-feature.htm>

Bank at 45 Degrees: <https://eagereyes.org/basics/banking-45-degrees>

Part 2:

Tufte’s Principles for Graphical Integrity:

<https://thedoublethink.com/tuftes-principles-for-visualizing-quantitative-information/>

<http://www.iol.ie/~cq/elearning/Principles_of_Graphical_Excellence.htm>

Sparklines: <https://www.excel-easy.com/examples/sparklines.html>

CRAP Design Principles: <https://vwo.com/blog/crap-design-principles/>

A dashboard is a type of graphical user interface which often provides at-a-glance views of key performance indicators relevant to a particular objective or business process. The "dashboard" is often displayed on a web page which is linked to a database that allows the report to be constantly updated.

A **business** **dashboard** is an information management tool that is used to track KPIs, metrics, and other key data points relevant to a **business**, department, or specific process. Through the use of data visualizations, **dashboards** simplify complex data sets to provide users with at a glance awareness of current performance.

Scalar Data: <https://www.techopedia.com/definition/16441/scalar>