Building Great Dashboards

Presented by **Lonnie A. Bowling, DST Controls**

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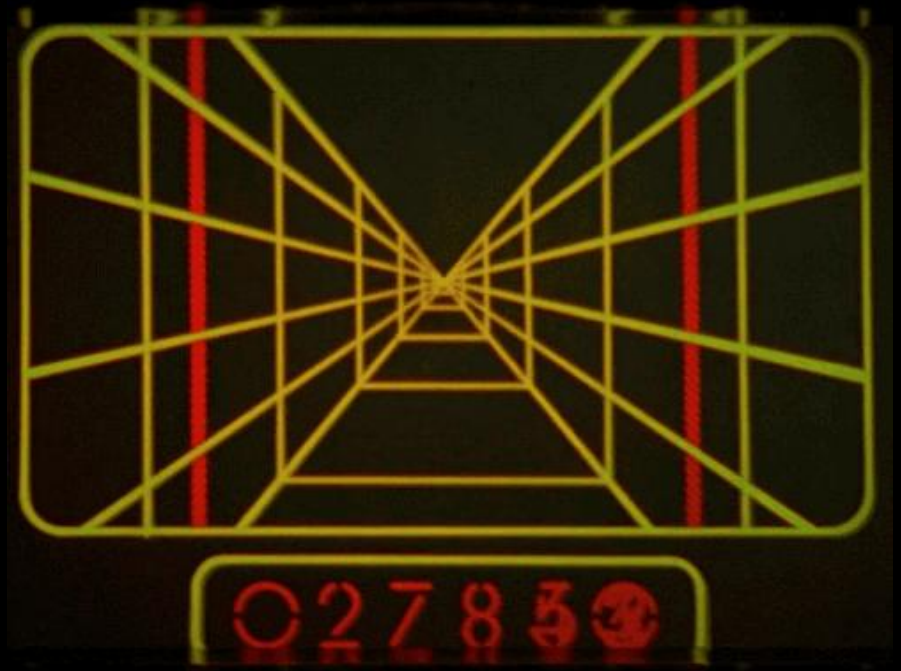

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Overview

- What is a dashboard
- Steps to create a great dashboard
- Design Concepts
- Demo
- Closing

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What is a Dashboard

- A visual display of information
- Contained on a single display
- Can be analyzed with a glance
- Achieve some objective

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Steps to design an effective dashboard

1. Define a purpose and goal
2. Measure the goal
3. Provide context
4. Build – Test - Repeat

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Design

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Visual Perception

940905921274980938252030837028502590880427750099889629098485

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Visual Perception

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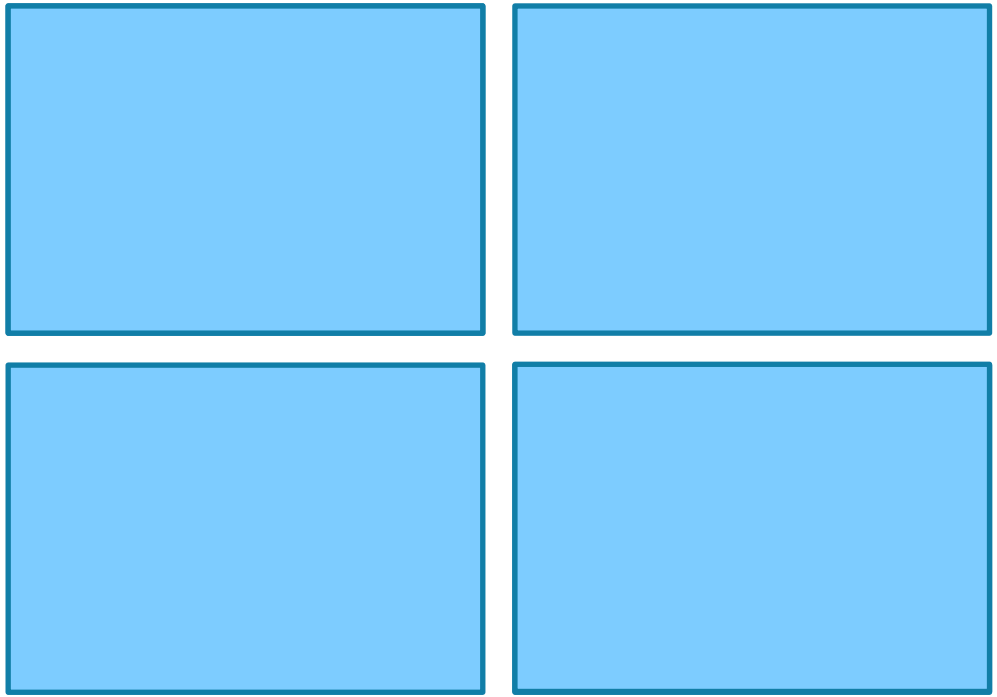
Location



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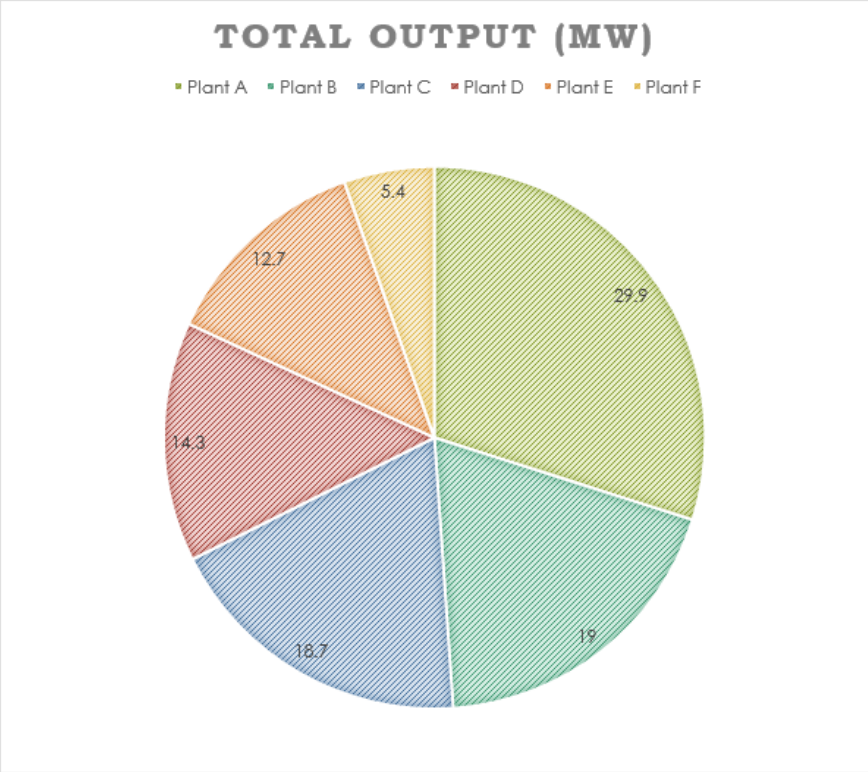
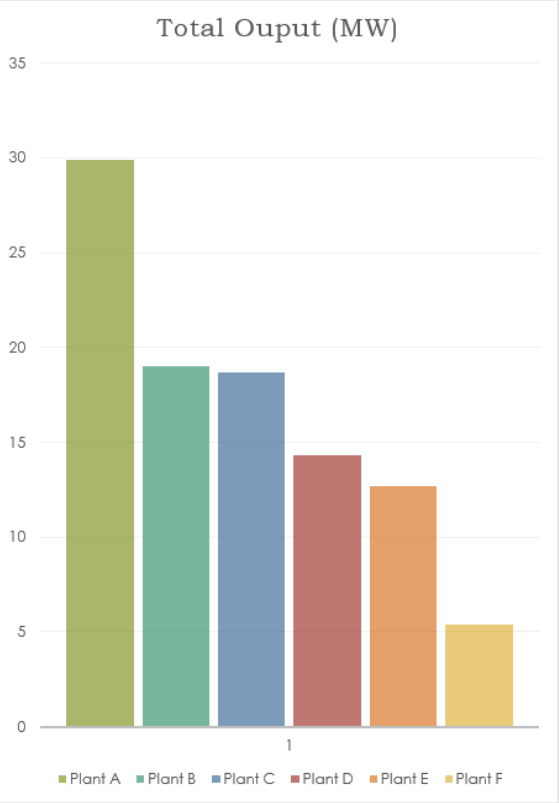
Use the right graphic





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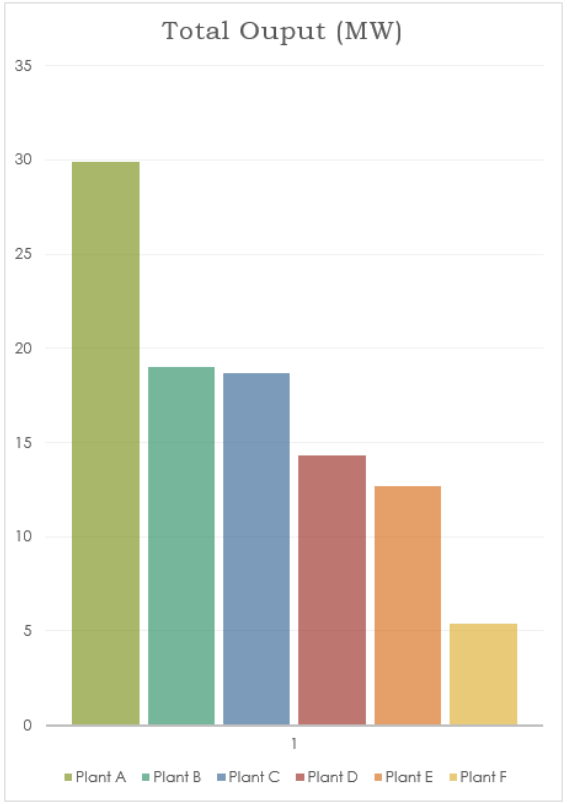
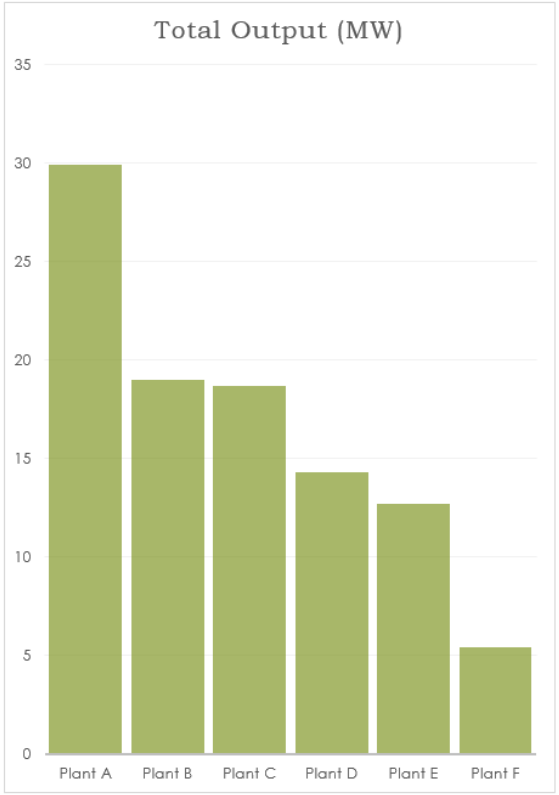
Colors





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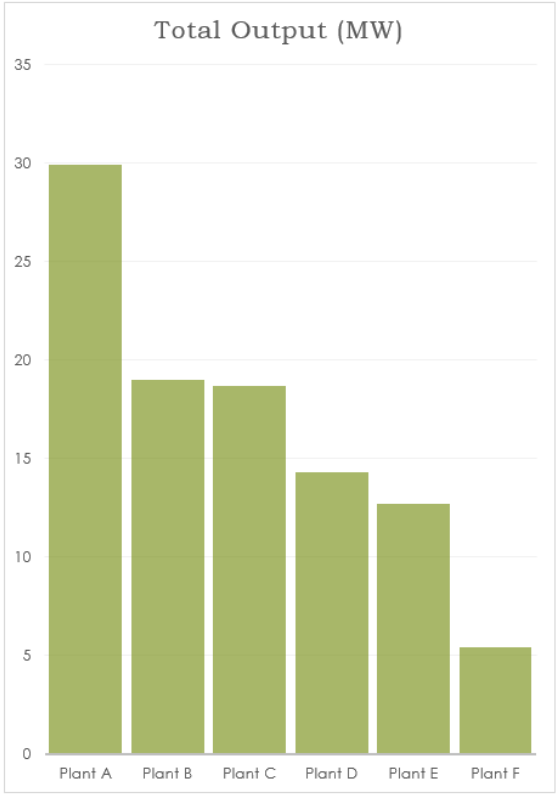
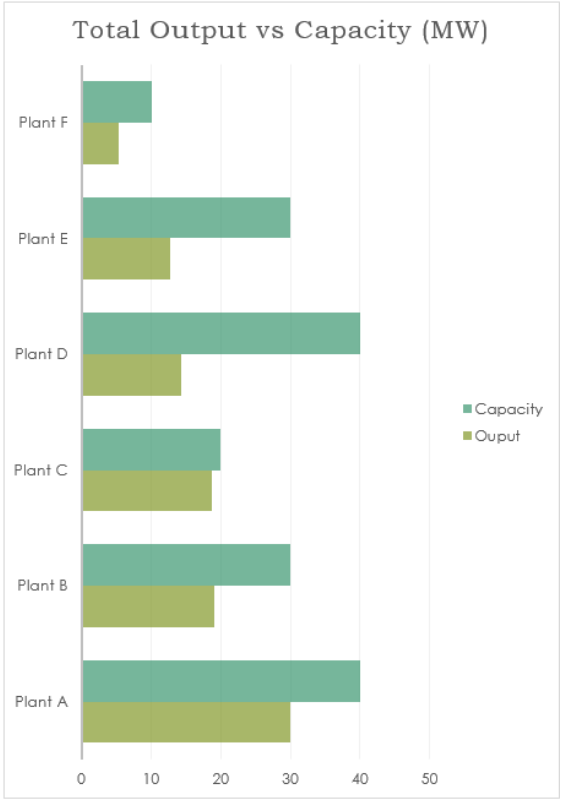
Refinement





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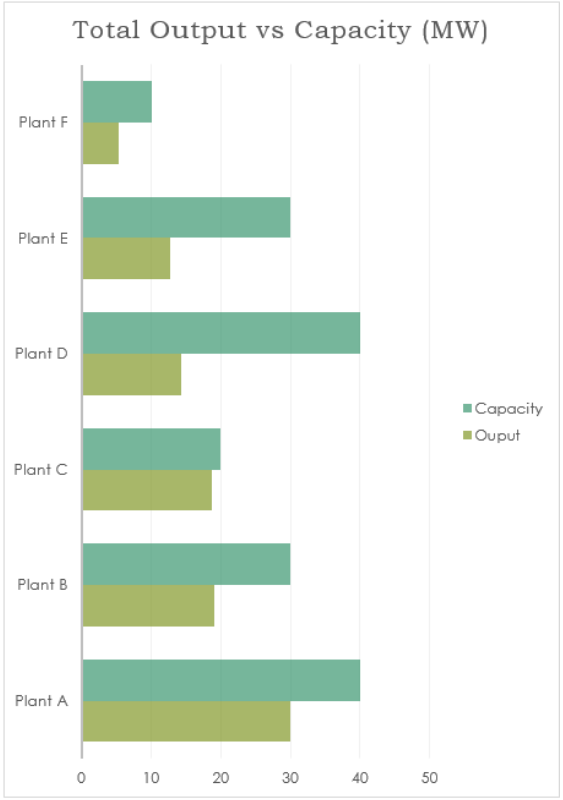
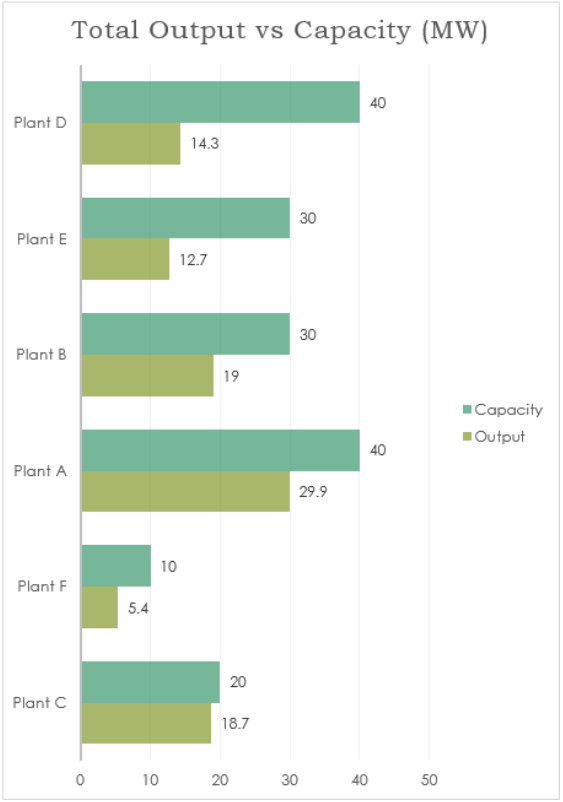
More Refinement





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OSIsoft Data and Visualization Options

- PI ProcessBook
- PI DataLink
- PI Coresight
- PI OLDB Enterprise
- PI Web API
- AF SDK

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Demo – The Ingredients

HTML/JavaScript	Anyone can Access
Bootstrap	Simple and Responsive
JQuery	Working with the DOM
D3	Data-Driven Documents
C3	D3 Based Chart Library
PI Web API	Bringing Data to the Game

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Demo

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References

Information Dashboard Design - Steven Few

Creating More Effective Graphs - Naomi B. Robbins

Any book by Edward R. Tufte

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Summary

- What is a dashboard
- Consider your purpose
- Visual perception
- Design pointers
- Getting started demo

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Thank You!

... and may the force be with you

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