

INTERACTIVE DATA VISUALIZATION

DASH-PLOTLY LIBRARIES

AGENDA

- Need of Data Visualization – Presentation N Reports, ML, Real-Time Data, Big-Data
- Static vs Interactive Data-Visualization –
- Uses of Plotly and Overview
- Wrapping graphs using Dash
 - Components of Dash Library
- Examples & Overview
- **This slides are just an overview of the whole presentation, not the final version.**

NEED OF DATA VISUALIZATION



Presentations & Report Building



Data Modeling

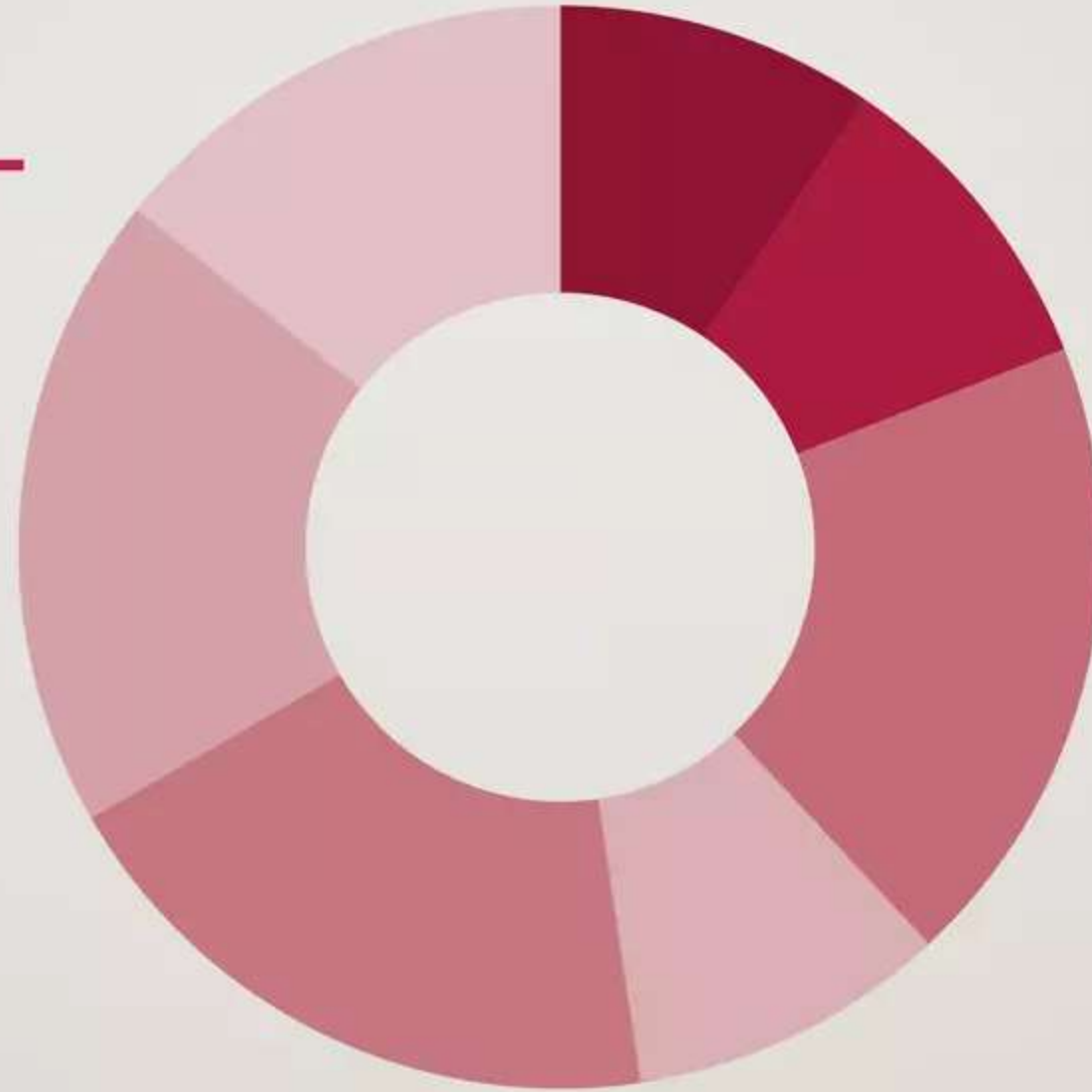


Real-time Data



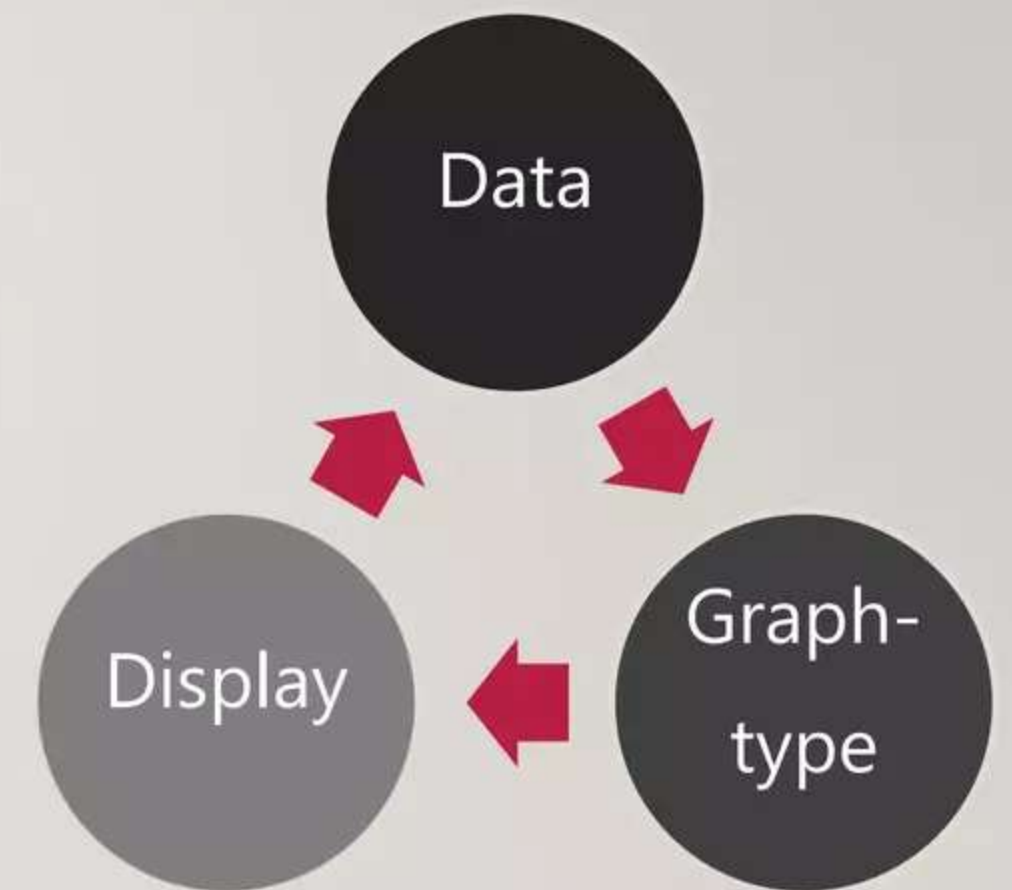
Machine Learning & Big Data

STATIC VS INTERACTIVE GRAPHS



- Fast Analytics
- Easy to Use
- Changing View/Variables on-the-fly
- Update Automatically
- Multiple Sources
- Small data to Big Data
- Dashing Dashboards

OVERVIEW – PLOTLY LIBRARY



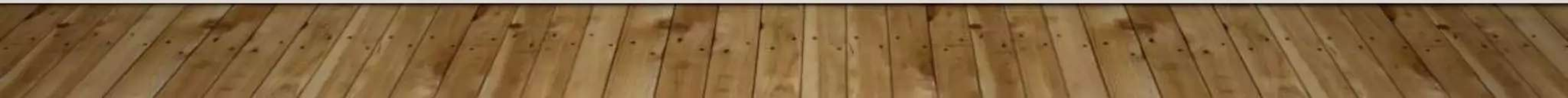
INTRODUCTION TO PLOTLY

- Basic Components of a Graph
 - Figure
 - Data
 - Layout
 - Frames
- Plotting a Graph
 - To be added

OVERVIEW OF DASH

- An open source library,
- Framework for building web analytic applications
- Written on top of Flask, Plotly.js, and React.js
- Developed by Plotly
- A platform for managing apps in an enterprise environment
- Layout of the app
 - Library components(to be added)
- Interactivity of the app
 - Library components(to be added)

EXAMPLES



EXAMPLE 1, 2

- Example 1 (to be added)
- Example 2 (to be added)

INTERACTIVE GRAPH EXAMPLE

- Example (to be added)
- Graph Components – Description (to be added)

DASHBOARD EXAMPLE

- Example (to be added)
- Overview of Dashboard (to be added)



THANK YOU!

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