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| Data Visualization | |
| **SOURCE: 01** | **Data Visualization** |
| 01 | [Introduction to Data Visualization](https://www.youtube.com/watch?v=EjiMVQibki0&list=PLZ2ps__7DhBZ12NClTmMLsnU0mF9ZUSG_&index=1&pp=iAQB) |
| 02 | Introduction to Data Visualization Part-1 |
| 03 | Introduction to Data Visualization Part-2 |
| 04 | Introduction to Data Visualization Part-3 |
| 05 | Introduction to Data Visualization Part-4 |
| 06 | Introduction to Data Visualization Part-5 |
| 07 | Introduction to Data Visualization Part-6 |
| 08 | Introduction to Data Visualization Part-7 |
| 09 | Visualization Typology Part-1 |
| 10 | Visualization Typology Part-2 |
| 11 | Visualization Typology Part-3 |
| 12 | Visualization Typology Part-4 |
| 13 | Geo Visualization Part-1 |
| 14 | Geo Visualization Part-2 |
| 15 | Geo Visualization Part-3 |
| 16 | Data Part-1 |
| 17 | Data Part-2 |
| 18 | Data Part-3 |
| 19 | Visualization Design Part-1 |
| 20 | Visualization Design Part-2 |
| 21 | Visualization Design Part-3 |
| 22 | Data Analysis and Insights Finding Part-1 |
| 23 | Data Analysis and Insights Finding Part-2 |
| 24 | Data Analysis and Insights Finding Part-3 |
| 25 | Design Principles (Heuristics) Part-1 |
| 26 | Design Principles (Heuristics) Part-2 |
| **SOURCE: 01** | **Data Visualization** |
| 01 | [Data Visualization Course Overview](https://www.youtube.com/watch?v=4e3NF8ez95w&list=PL9yYRbwpkykvOXrZumtZWbuaXWHvjD8gi&index=1&pp=iAQB) |
| 02 | Introduction to JavaScript |
| 03 | Introduction to HTML, CSS and SVG |
| 04 | Introduction to D3 – Lets Make a Face |
| 05 | Why Visualize Data |
| 06 | Inputs for Data Visualization: Data and Tasks |
| 07 | Making a Bar Chart with D3.js and SVG (Reloaded) |
| 08 | Uploading Datasets to VizHub |
| 09 | Customizing Axes of a Bar Chart with D3.js |
| 10 | Making a Scatter Plot with D3.js |
| 11 | Making Line and Area Charts with D3.js |
| 12 | The General Update Pattern of D3.js |
| 13 | Marks and Channels in Data Visualization |
| 14 | Interaction with Unidirectional Data Flow using D3.js |
| 15 | Making a World Map with D3 |
| 16 | Cheap Tricks for Interaction on a D3.js World Map |
| 17 | Blank Canvas |
| 18 | Building a Tree Visualization of World Countries with D3.js |
| 19 | Color and Size Legends with D3.js |
| 20 | Choropleth Map with D3.js |
| 21 | Interactive Filtering on a Choropleth Map |
| 22 | Using Color in Visualization |
| 23 | Scatter Plot with Menus |
| 24 | VizHub 1.0 |
| 25 | Circles on a Map |
| 26 | Line Chart with Multiple Lines |
| 27 | Melting and Munging Data with JavaScript |
| 28 | Map with Selectable Countries |
| 29 | Selecting a Year on a Line Chart |
| 30 | Course Outro |
| **SOURCE: 01** | **Data Analysis and Visualization** |
| 01 | [Why Data Analysis and Visualization](https://www.youtube.com/watch?v=1wnb4jxZeuA&list=PLwgFb6VsUj_nFnLLn3M8iacrhDyXqE4N9&index=1&pp=iAQB) |
| 02 | Download and Install Anaconda |
| 03 | Jupyter Notebook |
| 04 | NumPy Overview |
| 05 | Create NumPy Arrays |
| 06 | Create Arrays Using Numpy Functions |
| 07 | Reshaping Data |
| 08 | -1 in Reshape |
| 09 | Seed Function |
| 10 | Indexing and Slicing of Array |
| 11 | Matrix – Indexing and Slicing |
| 12 | View vs Copy |
| 13 | Conditional Selection |
| 14 | Operations on Array with Scaler |
| 15 | Operations on Two or More Array |
| 16 | Some More Useful numpy Function |
| 17 | NumPy Axis |
| 18 | Shuffle and Unique |
| 19 | Horizontal and Vrtical Stacking |
| 20 | NumPy Exercise |
| 21 | Exercise Solution |
| 22 | NumPy vs Python Lists |
| 23 | Pandas Overview |
| 24 | Read CSV Files Using Pandas |
| 25 | Pandas: Selecting Columns |
| 26 | Pandas: Selecting Rows Using Square Brackets |
| 27 | Pandas: Iloc |
| 28 | Pandas: Loc |
| 29 | Analyze World Happiness Report Pandas Exercise |
| 30 | Pandas Series Part-1 |
| 31 | Pandas Series Part-2 |
| 32 | Different Ways to Create Pandas Series |
| 33 | Panda: Sort Series |
| 34 | Series to List |
| 35 | Pandas Series: nsmalest nlargest idxmin idxmax |
| 36 | Pandas: Index Object |
| 37 | Pandas: Filter Data Part-1 |
| 38 | Pandas: Filter Data Part-2 |
| 39 | Pd.DataFrame |