Introduction to Tableau Data visualization(DV) and Visual Analytics(VA)

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Difference between DV and VA

➤ Data visualization:

- ➤ a graphical depiction of data, such as dashboard or report
 - > present views of data that answer "what,"
 - ➤ Provide answers to finite set of questions
 - ➤ Provide interactivity to investigate "what" questions.
 - It helps to tell a story about your data, and to identify problems and issues.

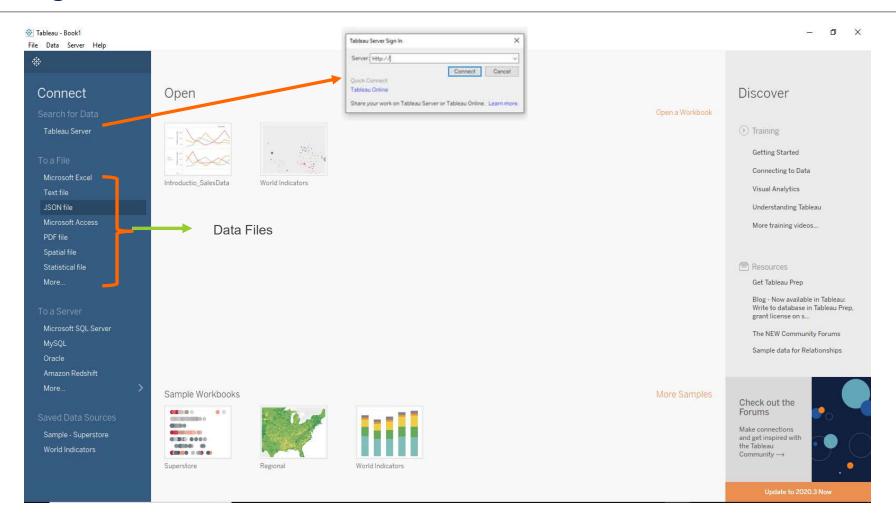
➤ Visual analytics

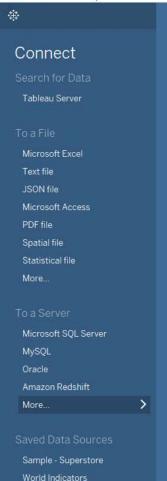
- ➤ a method for exploring data visually, in real-time
 - ➤ The power of asking why
 - ➤ Dynamic, iterative process
 - Find answers, and build stories in your data.

Difference between DV and VA

Capabilities	Data Visualization	Visual Analytics
Answers and shows "what."	✓	✓
Shows data points, problems, issues, or key indicators.	✓	✓
Presents a specific view of a data set. Gives you and users a snapshot of data to answer a specific set of questions.	√	✓
A visual presentation of data, such as a dashboard or a report. Great device for communicating insights and telling stories about data.	✓	✓
Supports interactivity (filter dimensions, highlight values of interest, change view based on categories)	∀	✓
Supports deeper analysis and exploration for asking "why" questions.		✓
Offers advanced analytics.		✓
A journey through your data that doesn't require you to know what chart type or template you need, or where you are going.		✓
Unifies the steps of querying, exploring and visualization data into a single process.		✓
Fast, intuitive, free form exploration of data that lets you quickly create many different views of your data.		✓
Helps you think visually to explore problems, issues, and questions. Leads to unexpected insights and finding outliers in your data.		✓
Helps you share key insights and collaborate with colleagues on the data.		✓

Getting Started

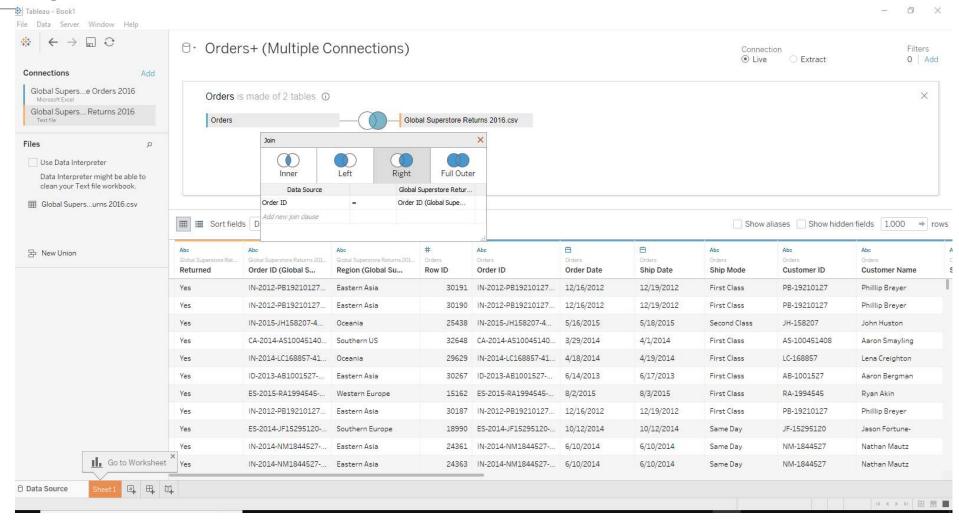




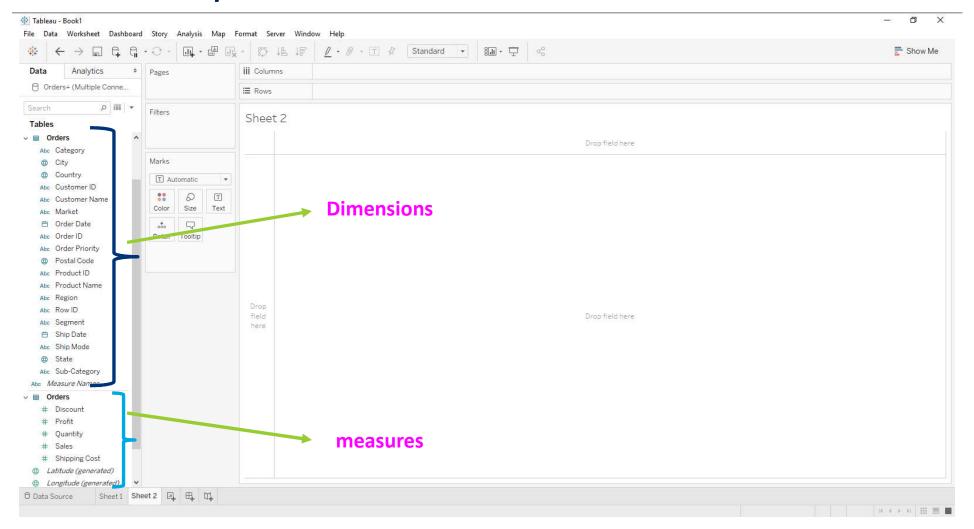
Search IBM BigInsights Alibaba MaxCompute Amazon Aurora for MySQL SAP HANA SAP NetWeaver Business Warehouse SAP Sybase ASE Aster Database SAP Sybase IQ MapR Hadoop Hive SharePoint Lists Teradata OLAP Connector OneDrive Other Databases (JDBC) Other Databases (ODBC)

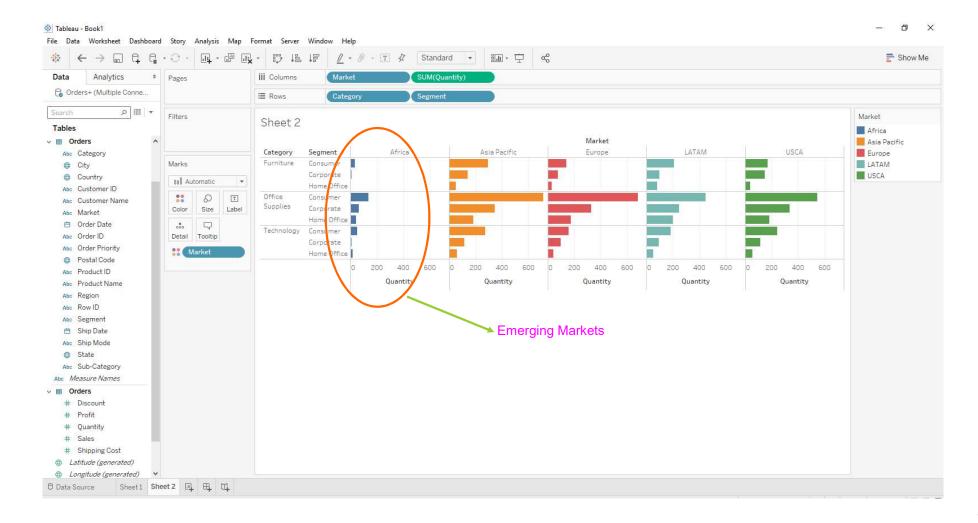
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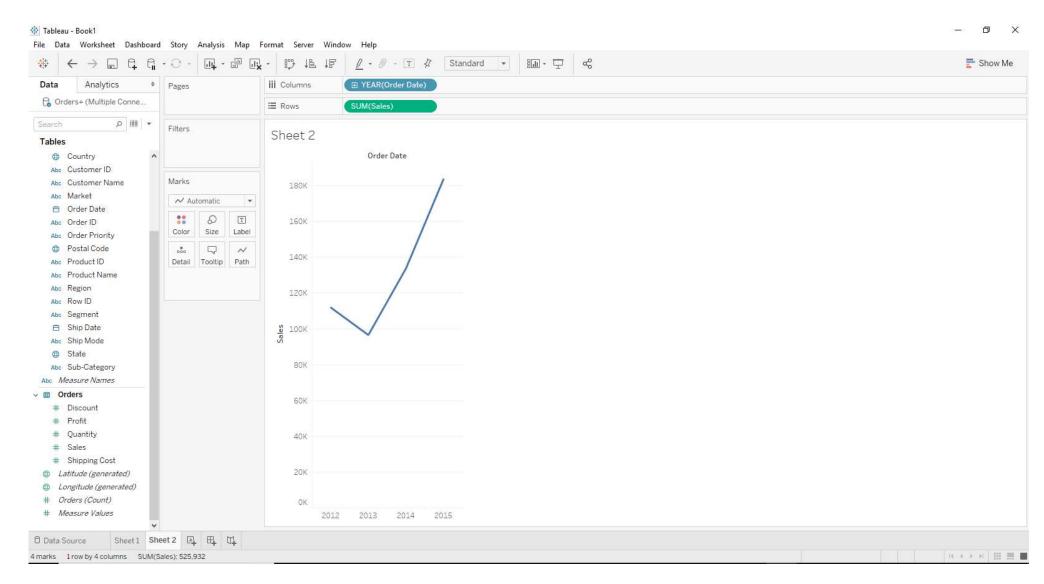
Joining Data



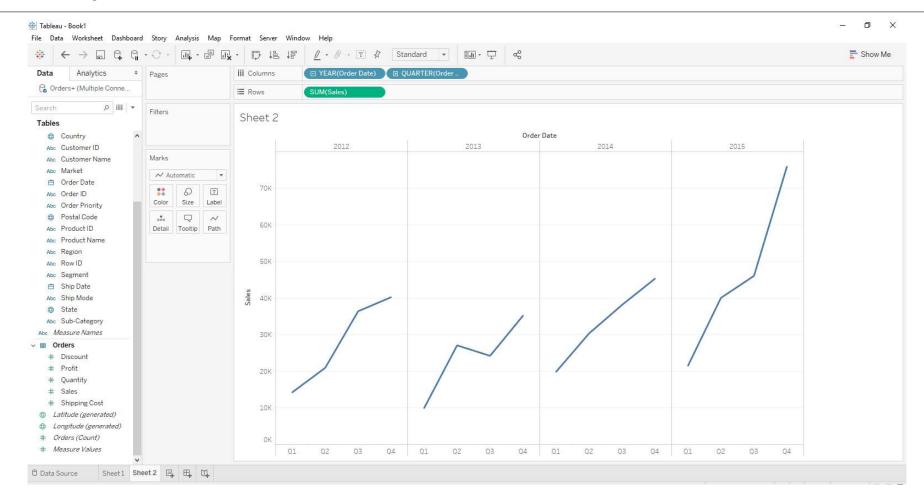
About the Data pane



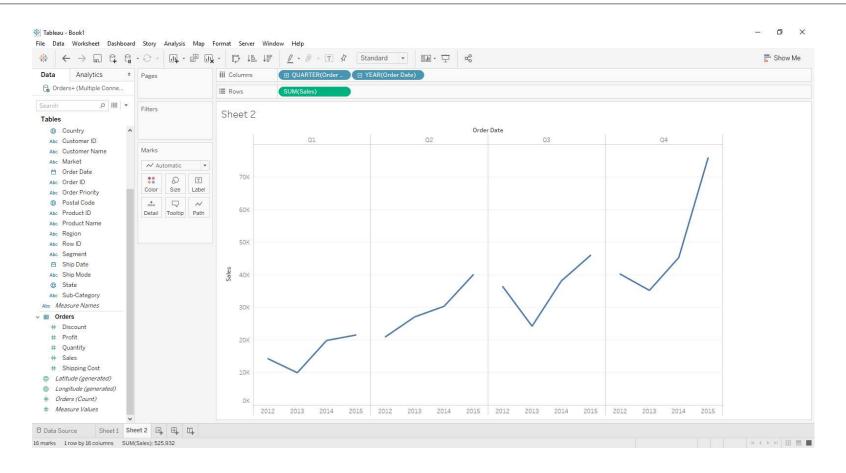




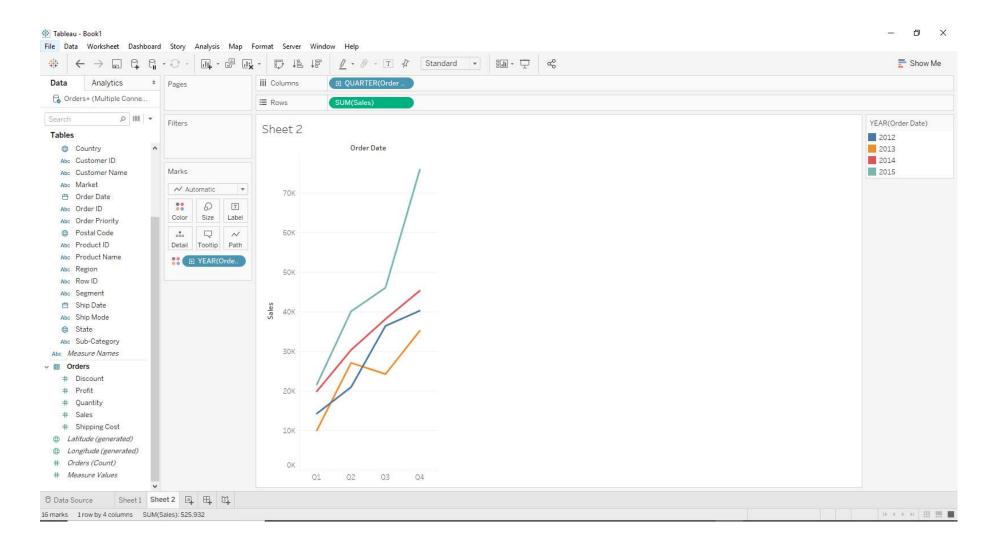
Year and Quarter



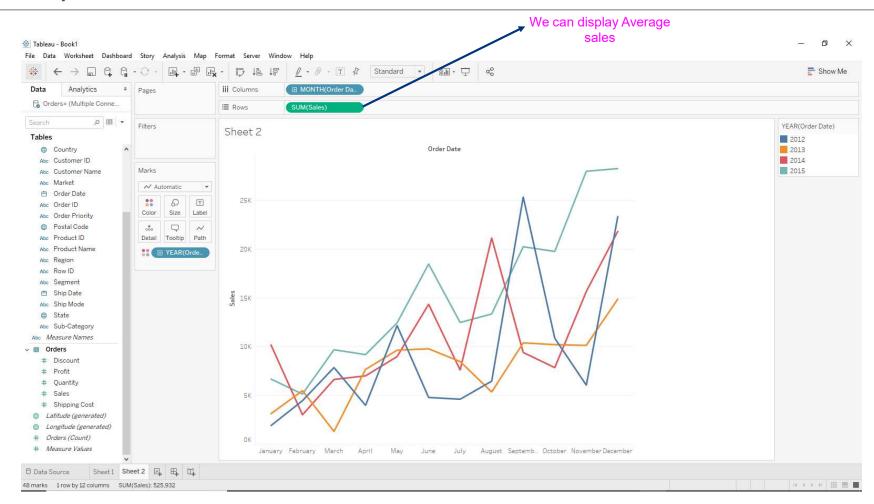
Year and Quarter

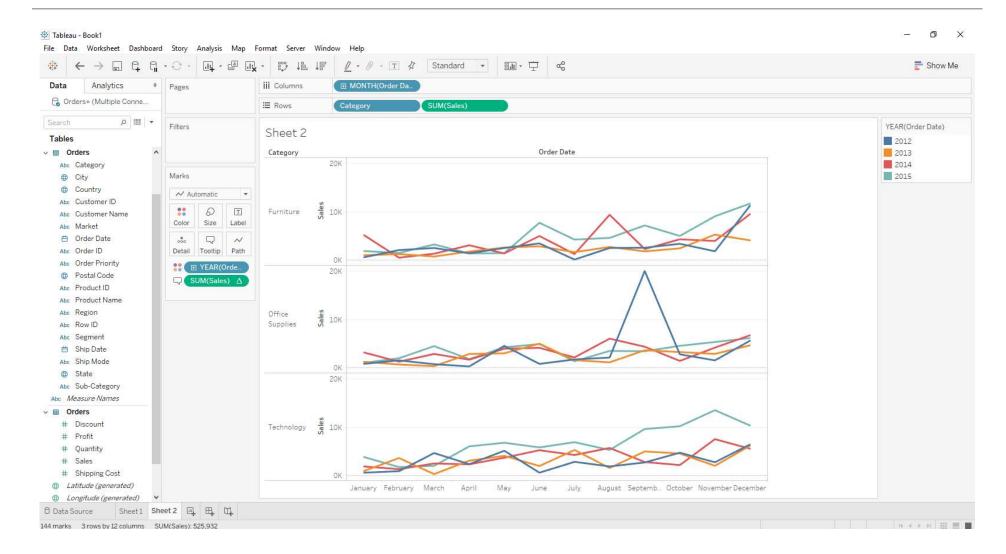


Colors on year

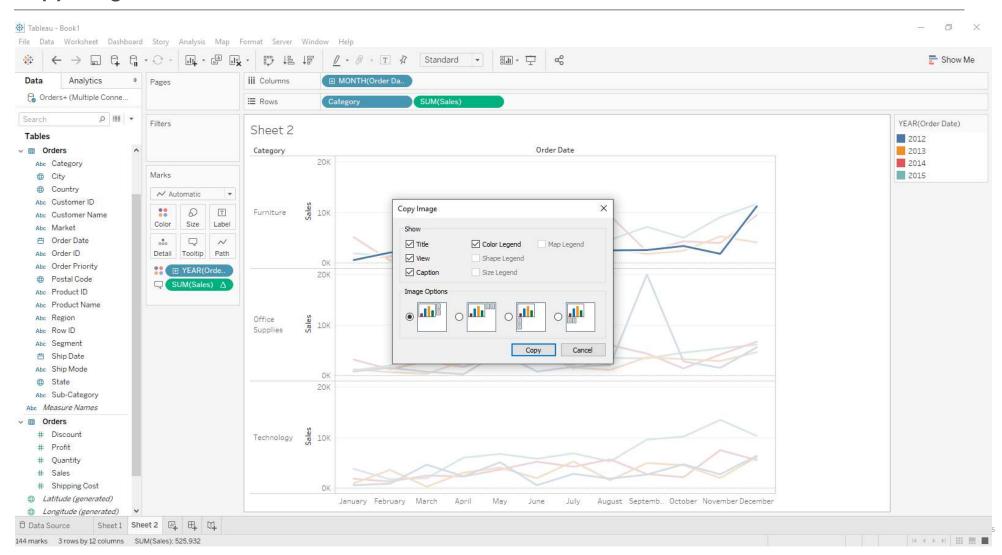


Monthly sales

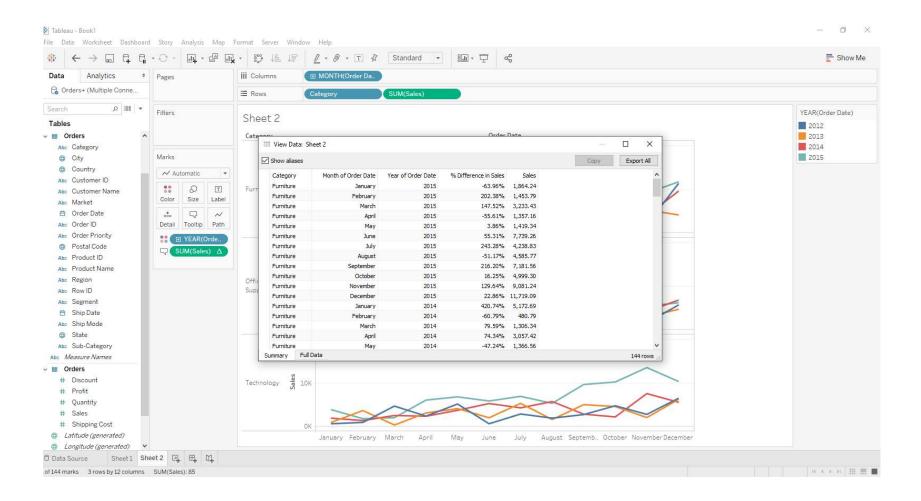


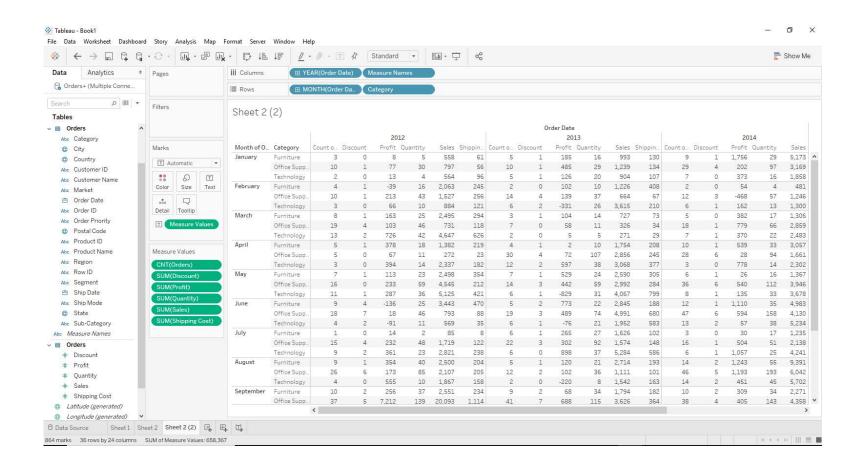


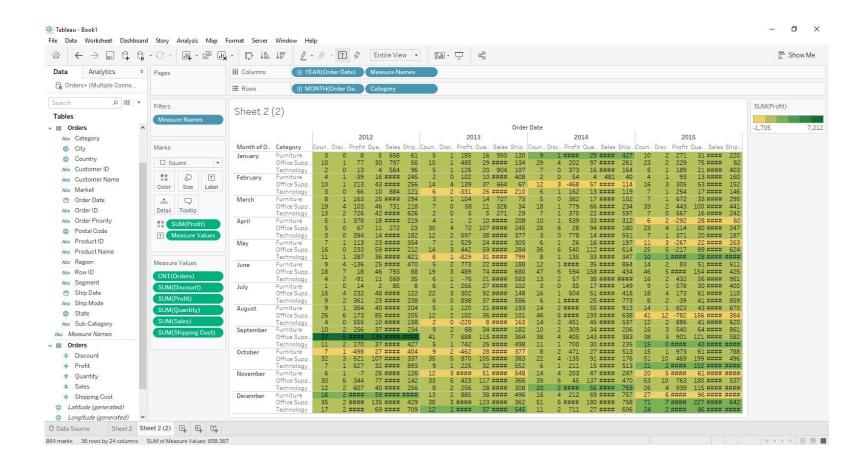
Copy Image and Share

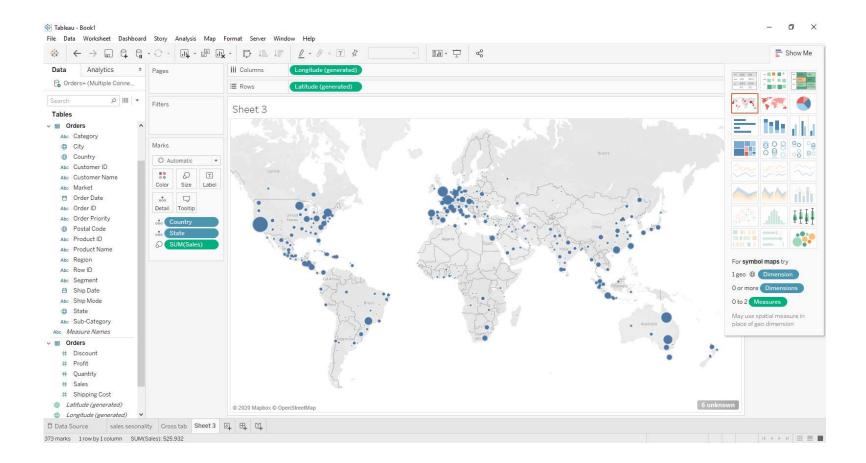


View and copy data









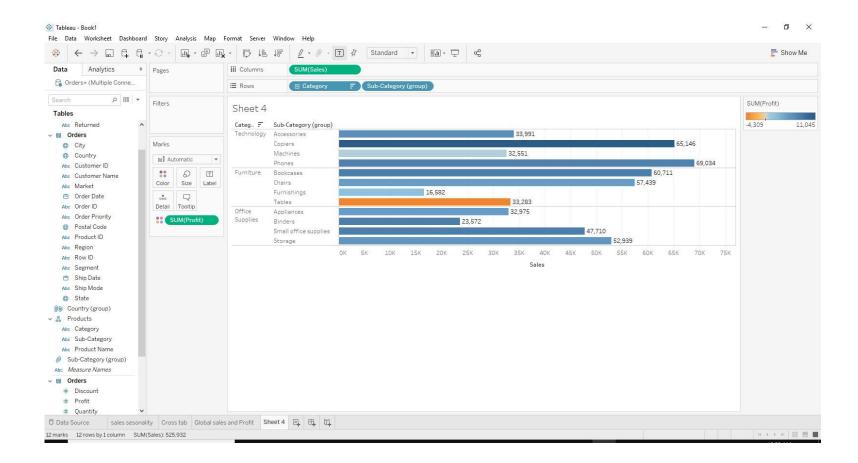


Tableau Prep

