<u> Data Lakehouse Project (Databricks + Delta Lake + Apache Spark)</u> Yearly Sales Quantity vs Invoice Count by Product Code (2009-2011) Category-Wise Distribution of Sales Quantity and Regional Coverage Sales Performance by State and City (Drill-Down View) <u>Product Distribution by Unit Price and Country Count (StockCode-Level View)</u> 10002 • 10080 • 10120 • 10123C • 10123G • 10124A • 10124G • 10125 • 10133 • 10134 • 10135 • 11001 23K (33.76%) (10.23%)15036 品 🏗 🖺 Category Office Supplies (3.13%) 16156S 2.12K Level: 1 Furniture (3.13%) Technology 10002 10080 6.03K (8.88%) 6.03K (8.88%) 6.03K (8.88%) UnitPrice Regional Product Distribution by Sub-Category and State Customer Reach and Sales Volume by Country October Price of sales Level: 2 Sum of Quantity Count of CustomerID Alaba... ● Arizona ■ Arkansas ■ Califor... ■ Colorado ■ Connecti... ■ Delaw... ■ District ... ■ Florida ■ Georgia ■ Idaho 2.30M 310.47M **Sum of Sales** Sum of price 38K 286.40K Sum of Profit **Sum of Quantity** Regional Contribution to Profit, Quantity, and Sub-Category Distribution Sum of Quantity and Count of CustomerID November Price of Sales Order and Shipment Volume by Shipping Mode 1.56K Count of Ship Date ● Count of Order Date 306.71M 108.42K (32.43%) Sum of Discount Sum of price Region West 46.75K (13.99%) East Profit and Regional Distribution by City and Shipping Mode Brand-Wise Category Distribution Overview South Axis ● Sum of category\_id **Ship Mode** ★ First Class ▲ Same Day ★ Second Class ★ Standard Class Central 600 0 600 11K (3.18%) 12K (3.67%) New York City 3.2K (0.96%) vasin bonvini climadiff roison 400 400 91.52K (27.38%) Seattle ricco minecraft hygge peterhof ezetil 200 200 mars-Aurora Houston Detroit Columbu 3958 0.5K bts 💮 Abilene Chicago Chicago Count of StockCode **Count of CustomerID** aerocool arena Second First Class Same Day Class Class 400 Customer Journey Flow Across Geographic and Product Dimensions City Coverage by Region and Shipping Mode Consumer Interaction Metrics by Product Category and Event Type Sum of price • Count of brand • Sum of category\_id First Class Same Day Second Class Standard Class accessories.umbrella 3203 XP-21865 Paper 2848 6E+18 Texas AI-10855 2323 2,500 -9E+18 AY-10555 1673 2,000 1620 Count of Category 1439 Standard Class CL-12565 Anaheim apparel.belt 1,500 Long Beach 27 CS-12130 Chairs 621 530 4E+18 Second Class 465 DO-13435 Ohio 469 329 515 490 First Class 299 234 -1E+19 Central South East West cart purchase purchase view