* Superstore.java

**package** org2.ml;

**import** java.io.IOException;

**import** tech.tablesaw.api.Table;

**import** tech.tablesaw.plotly.Plot;

**import** tech.tablesaw.plotly.components.Figure;

**import** tech.tablesaw.plotly.components.Layout;

**import** tech.tablesaw.plotly.traces.BoxTrace;

**import** tech.tablesaw.plotly.traces.HistogramTrace;

**import** tech.tablesaw.plotly.traces.ScatterTrace;

**import** tech.tablesaw.plotly.traces.BarTrace;

**public** **class** Superstore {

**public** **static** **void** main(String args[])

{

**try** {

Table Superstore\_data = Table.*read*().csv("C:\\Users\\User\\eclipse-workspace\\org1.ml\\src\\main\\java\\org1\\ml\\Superstore-sales.csv");

//Histogram plot

Layout layout1 = Layout.*builder*().title("Histogram-Plot").build();

HistogramTrace trace1 = HistogramTrace.*builder*(Superstore\_data.nCol("Quantity")).build();

Plot.*show*(**new** Figure(layout1, trace1));

//Box plot

Layout layout2= Layout.*builder*().title("Box-Plot").build();

BoxTrace trace2 = BoxTrace.*builder*(Superstore\_data.categoricalColumn("Product ID"), Superstore\_data.nCol("Discount")).build();

Plot.*show*(**new** Figure(layout2, trace2));

//scatter plot

Layout layout3 = Layout.*builder*().title("Scatter-Plot").build();

ScatterTrace trace3 = ScatterTrace.*builder*(Superstore\_data.categoricalColumn("Product ID"), Superstore\_data.nCol("Discount")).build();

Plot.*show*(**new** Figure(layout3, trace3));

//Box plot2

Layout layout4 = Layout.*builder*().title("Box-plot").build();

BoxTrace trace4 = BoxTrace.*builder*(Superstore\_data.categoricalColumn("Product Name"), Superstore\_data.nCol("Quantity")).build();

Plot.*show*(**new** Figure(layout4, trace4));

//scatter plot2

Layout layout5 = Layout.*builder*().title("Scatter-Plot").build();

ScatterTrace trace5 = ScatterTrace.*builder*(Superstore\_data.categoricalColumn("Product Name"), Superstore\_data.nCol("Discount")).build();

Plot.*show*(**new** Figure(layout5, trace5));

//Bar plot

Layout layout6 = Layout.*builder*().title("Bar-Plot").build();

BarTrace trace6 = BarTrace.*builder*(Superstore\_data.categoricalColumn("Product ID"), Superstore\_data.nCol("Discount")).build();

Plot.*show*(**new** Figure(layout6, trace6));

} **catch** (IOException e) {

// **TODO** Auto-generated catch block

e.printStackTrace();

}

}

}