**Axon Sales Dashboard Capstone Project Documentation**

**Project Overview**

**Project Name:** Axon Sales Dashboard

**Project Purpose:** The purpose of this capstone project is to design and implement a comprehensive sales dashboard for Axon as part of the capstone project.

**Project Objectives:**

* Apply data analysis and visualization skills.
* Create a user-friendly sales dashboard for decision-making.
* Gain practical experience in Power BI.

**Project Scope**

This project encompasses the development of a sales dashboard specifically for Axon sales department.

**Data Sources**

1. **Sales Data:** Raw sales data provided by Odinschool in SQL file.
   * Data Transformation: Data cleaning, transformation, and aggregation are applied as part of the project.

**Data Model**

The data model for this capstone project consists of tables: Customers, Products, ProductLines, Order, OrderDetails, Payments, Employees, and Offices. Relationships are established between all tables. Measures and calculated columns are used to analyze the sales data.

**Report Layout**

The report is organized into pages: Sales Dashboard, Employees and Order Status. A navigation pane allows users to switch between these pages easily.

**Visualizations**

**Sales Dashboard Page**

* Cards showing Total Sales, Total Products and Total Customers.
* A slicer to select countries.
* Pie chart showing sales by country.
* Bar chart showing- number of customers by country, Sales by product line and customers by credit line.
* Donut chart showing Sum Of Sales By Year.
* Pie chart showing Number Of Products In Each Product Line

**Employees and Order Status Page**

* Card showing Total office, Total employees, Total Orders and Sum of Amount
* Employees by Job Title Chart
* Bar chart showing Sales By Each Employee and Order Status
* Employees By City
* Area Chart showing Total Sales by year(which can be drilled down to quarter, months and days)
* **Calculations and Measures**
* Column = Sales = multiplication of Price Each and Quantity Ordered
* Measures = Total customers, Total employees, Total Offices, Total Orders, Total Products and Total Sales.

**Data Refresh**

The dataset is static for this capstone project, so there is no regular data refresh schedule. However, this would be implemented in a real-world scenario.

**Documentation Updates**

This documentation will not be regularly updated since it is specific to the capstone project submission. However, updates may be made for clarification or improvement if required.

**Troubleshooting and FAQs**

**Common Issues**

* **Issue:** "How can I view sales for a specific country?"
  + Resolution: Use the slicer on the Sales Dahsboard page to select the desired country.
* **Issue:** "How can I view sales for a specific time period?"
  + Resolution: Use the drill down/drill up on the Employees and Order Status page to get the desired year, quarter, month or days.