**Dixon Stock Analysis**

**Overview**

This project provides an analysis of Dixon stock trends using historical data. The analysis includes key stock metrics such as 52-week highs and lows, average open and close prices, and trading volumes. The data is processed and visualized using Power BI and Python.

**Features**

* **Stock Price Trends**: Visualizations of Dixon's 52-week high and low prices.
* **Volume Analysis**: Monthly and daily stock trading volumes.
* **Quarterly and Monthly Aggregates**: Summarized stock performance for different timeframes.
* **Comparative Analysis**: Average stock prices on different days of the week.

**Data Source**

The stock data has been extracted and compiled into visual reports using Power BI. The dataset includes:

* 52-week high and low prices
* Average opening and closing prices
* Trading volume

**Requirements**

To analyze or visualize the data, you need:

* **Python (optional for further analysis)**
* **Power BI**
* **Excel**

**Usage**

1. Open the Power BI file to explore the pre-built visualizations.
2. For additional analysis using Python:
   * Load the dataset using Pandas.
   * Use Matplotlib or Seaborn for custom visualizations.
   * Run statistical analysis on price trends.

**Contact**

For questions or contributions, feel free to open an issue on GitHub.