

# Automated Report Generator - README

## Automated Report Generator

This project is a simple Python-based tool that reads sales data from a CSV file and generates a well-formatted PDF report automatically. It's built using pandas, matplotlib, and reportlab.

### Project Structure:

- generate\_report.py: Main script to generate PDF report
- sales\_data.csv: Sample dataset
- README.md: Documentation

### Features:

- Reads sales data from a CSV file
- Summarizes key metrics (total sales, etc.)
- Visualizes data using bar charts
- Generates a timestamped PDF report

### How to Run:

#### 1. Install required libraries:

```
pip install pandas matplotlib reportlab
```

#### 2. Run the script:

```
python generate_report.py
```

#### 3. Output:

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A PDF file will be generated in the current directory named like:

Sales\_Report\_YYYYMMDD\_HHMMSS.pdf

Sample Data:

The sales\_data.csv file contains sample sales information. You can replace it with your own dataset as long as it has compatible columns.

Requirements:

- Python 3.x
- pandas
- matplotlib
- reportlab

Contact:

If you have questions or suggestions, feel free to open an issue or pull request.