AutoCommodity Insights
Analyzing the Relationship Between Used Car Prices

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Contents

Powered by Autoscout24 Scraper & Yahoo Finance API

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0.1 Project Overview

[Provide a brief overview of the project, its objectives, and its significance.]

0.2 Feasibility Research

0.3 Project Structure

```
project_scraping_CIP_analysis_car_commodity_price/
    Analysis/                  # Analysis notebooks and scripts
        RQ1/                   # Research Question 1
        RQ2/                   # Research Question 2
        RQ3/                   # Research Question 3
    Data/                      # Data storage
        API_data_pull/         # API-fetched commodity data
        clean_data/            # Processed and cleaned datasets
        Scraping/              # Web scraped data and scripts
    Documentation.md           # This documentation file
    README.md                  # Project overview
```

0.4 Setup and Installation

[Provide installation instructions, including: - Python version requirements - Required packages (with versions) - Environment setup - Configuration needed]

0.5 Data Collection

0.5.1 Web Scraping

[Document the web scraping process, including: - Target websites - Scraping methodology - Data points collected - Frequency of updates]

0.5.2 API Integration

[Document the API integration, including: - APIs used (Yahoo Finance, etc.) - Authentication process - Data retrieval methods - Rate limits and handling]

0.6 Data Processing

[Document the data processing pipeline, including: - Data cleaning steps - Data transformation - Handling missing values - Data validation]

0.7 Analysis and Methodology

0.7.1 Research Questions

1. [Research Question 1]
2. [Research Question 2]
3. [Research Question 3]

0.7.2 Methodology

[Describe the analytical methods used, including: - Statistical methods - Machine learning models (if any) - Validation techniques]

0.8 Results and Findings

[Present key findings, including: - Summary statistics - Visualizations - Key insights - Limitations]

0.9 Conclusion and Future Work

[Provide conclusions and potential future improvements]

0.10 References

[List all references and data sources]

0.11 Appendices

0.11.1 A. Data Dictionary

[Document the structure and meaning of all data fields]

0.11.2 B. Troubleshooting

[Common issues and solutions]

0.11.3 C. Contributing

[Guidelines for contributing to the project]