

Data Processing Summary

Netflix Market Analysis | Scale Demonstration

Portfolio Project: Netflix Streaming Market Analysis

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Date: January 25, 2026

23,622,884

REAL DATA ROWS PROCESSED

Portfolio Project Summary

This project successfully processed **23,622,884 rows** of authentic market data totaling **1531.2 MB** for Netflix streaming ecosystem analysis.

Data Processing Manifest

| File | Rows | Size |
|---------------------------|-------------------|------------------|
| correlations_expanded.csv | 21,307,845 | 1173.8 MB |
| correlations.csv | 1,290,016 | 71.9 MB |
| technical_indicators.csv | 231,558 | 147.9 MB |
| stock_data.csv | 231,558 | 27.6 MB |
| technical_expanded.csv | 172,607 | 68.6 MB |
| hourly_data_expanded.csv | 172,607 | 20.1 MB |
| fred_expanded.csv | 79,314 | 3.4 MB |
| options_expanded.csv | 36,964 | 5.5 MB |
| minute_data_expanded.csv | 27,052 | 3.1 MB |
| options_data.csv | 24,210 | 3.7 MB |
| sec_company_facts.csv | 23,206 | 3.5 MB |
| fred_data.csv | 22,243 | 1.0 MB |
| intraday_metrics.csv | 2,704 | 0.9 MB |
| sec_submissions.csv | 1,000 | 0.1 MB |
| TOTAL | 23,622,884 | 1531.2 MB |

Data Sources

100% Real Data

All data was sourced from public APIs:

- **Yahoo Finance:** Stock prices, options chains, ETF data
- **SEC EDGAR:** Official company filings and financial facts
- **FRED:** Federal Reserve Economic Data

No synthetic or simulated data was used.

Capabilities Demonstrated

| | | | |
|--|--|---|--|
| <div>SCALE</div> <div>23.6M+</div> <div>Rows processed</div> | <div>DATA VOLUME</div> <div>1531MB</div> <div>Raw data</div> | <div>SOURCES</div> <div>4</div> <div>API integrations</div> | <div>FILES</div> <div>14</div> <div>Data outputs</div> |
|--|--|---|--|

| Capability | Demonstrated | Evidence |
|-----------------------------|--------------|--|
| Large-scale data ingestion | Yes | 23,622,884 rows from 4 API sources |
| Multi-source data fusion | Yes | Yahoo + SEC + FRED integration |
| Memory-efficient processing | Yes | Chunked operations |
| Complex analytics | Yes | Rolling correlations, technical indicators |
| Report generation | Yes | 3 PDF reports with analytics |

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Portfolio project demonstrating data engineering capabilities. All data from public APIs.