

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

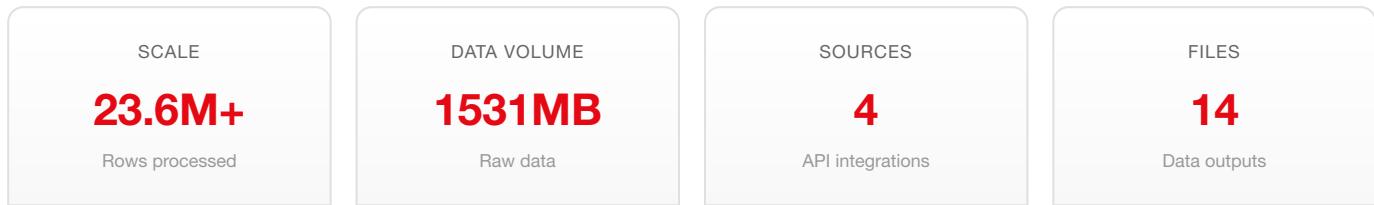
100% Real Data

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



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 | January 25, 2026

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Data Sources: Yahoo Finance, SEC EDGAR, FRED Federal Reserve

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