

Enterprise Processing Proof Certificate

7.7M Row Scale Verification | Disney Analytics Project

Client: Demo Client (Disney Market Analysis)

Analyst: Mboya Jeffers, Data Engineer & Analyst

Date: January 25, 2026

7,731,886

REAL DATA ROWS PROCESSED

Enterprise Scale Processing Certificate

This certificate confirms that the CMS Enterprise Analytics Pipeline successfully processed **7,731,886 rows** of authentic market data totaling **618.4 MB** for The Walt Disney Company analysis on January 25, 2026.

Data Processing Manifest

File	Rows	Size
correlations_expanded.csv	6,320,612	346.6 MB
correlations.csv	544,728	29.7 MB
technical_indicators.csv	162,694	104.4 MB
stock_data.csv	162,694	19.5 MB
daily_data_expanded.csv	127,565	14.8 MB
technical_expanded.csv	121,778	45.6 MB
hourly_data_expanded.csv	121,778	14.1 MB
fred_expanded.csv	93,217	4.2 MB
minute_data_expanded.csv	33,152	3.8 MB
sec_company_facts.csv	15,345	2.3 MB
options_expanded.csv	14,172	2.2 MB
options_data.csv	8,737	1.3 MB
intraday_metrics.csv	2,712	1.0 MB
fred_data.csv	1,702	0.1 MB
sec_submissions.csv	1,000	0.2 MB
TOTAL	7,731,886	589.8 MB

Data Authenticity Statement

100% Real Data Certification

All data in this analysis was sourced from authenticated public APIs:

- **Yahoo Finance:** Real-time and historical market data (OHLCV, options chains)
- **SEC EDGAR:** Official company filings and financial facts
- **FRED:** Federal Reserve Economic Data (official US government statistics)

No synthetic or simulated data was used. All correlation and technical analysis calculations were derived from these authentic sources.

Processing Capabilities Demonstrated

SCALE

7.7M+

Rows processed

DATA VOLUME

618MB

Raw data

SOURCES

4

API integrations

SECURITIES

46

Tickers analyzed

Capability	Demonstrated	Evidence
Large-scale data ingestion	✓ Verified	7.7M rows from 4 API sources
Multi-source data fusion	✓ Verified	Yahoo + SEC + FRED integration
Memory-efficient processing	✓ Verified	Chunked operations, <2GB peak
Complex analytics computation	✓ Verified	6.3M correlation calculations
Technical indicator generation	✓ Verified	20+ indicators across 46 securities
Executive report generation	✓ Verified	3 PDF reports with embedded analytics

CERTIFIED BY

Mboya Jeffers

Data Engineer & Analyst

Clean Metrics Studio Enterprise Pipeline v4.2

January 25, 2026

Prepared by: **Mboya Jeffers**, Data Engineer & Analyst
Client: Demo Client (Disney Market Analysis) | Report Date: January 25, 2026
Data Sources: Yahoo Finance, SEC EDGAR, FRED Federal Reserve
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