

# 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
<b>TOTAL</b>	<b>7,731,886</b>	<b>589.8 MB</b>

## Data Authenticity Statement

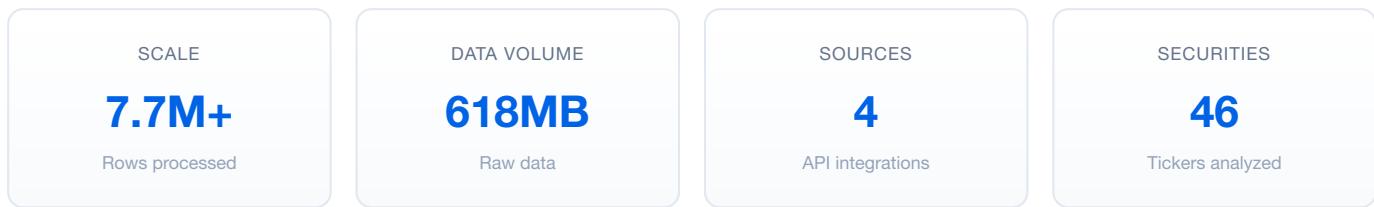
### 100% Real Data Certification

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



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

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

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