



# SEC 10-K FINANCIAL STATEMENTS ANALYSIS

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- 01/26/2025

125,058  
125,487  
1,000

154,568  
56,845  
110,000  
150,000

95,054  
97,511  
99,011  
99,216  
101,090  
101,684

124,500  
125,000  
154,000  
95,000  
154,200  
110,000  
89,000  
50,000

# DATA OBJECTIVES

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- Track 10-K filings for measuring companies' financial performance.
- Analyze Financial Health Metrics, Risk Metrics and EPS
- KPIs as follows:
  - *Net Income*
  - *Net Revenue*
  - *EPS*
  - *Shares Outstanding*
  - *Profit Margin*
  - *Debt-to-Equity Ratio*
  - *Financial Volatility*

# DATA DESCRIPTION & SOURCE

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- Data Source: [SEC Financial Statement](#)
- Tables used:
  - Num: source for the table is the “as filed” XBRL filer submissions.
  - Sub: Company’s submission info
  - Tag: contains the standard taxonomy tags and the custom taxonomy tags defined in the submissions
- Tools: Draw.io, Dbt, BigQuery and Tableau



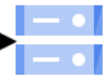
# Architectural Design for SEC Financial Statements



Google Cloud Platform

SEC Financial  
Data Sets

Extract .txt files



Cloud  
Storage

DDL statements to load .txt files



BigQuery

Load & Analyze



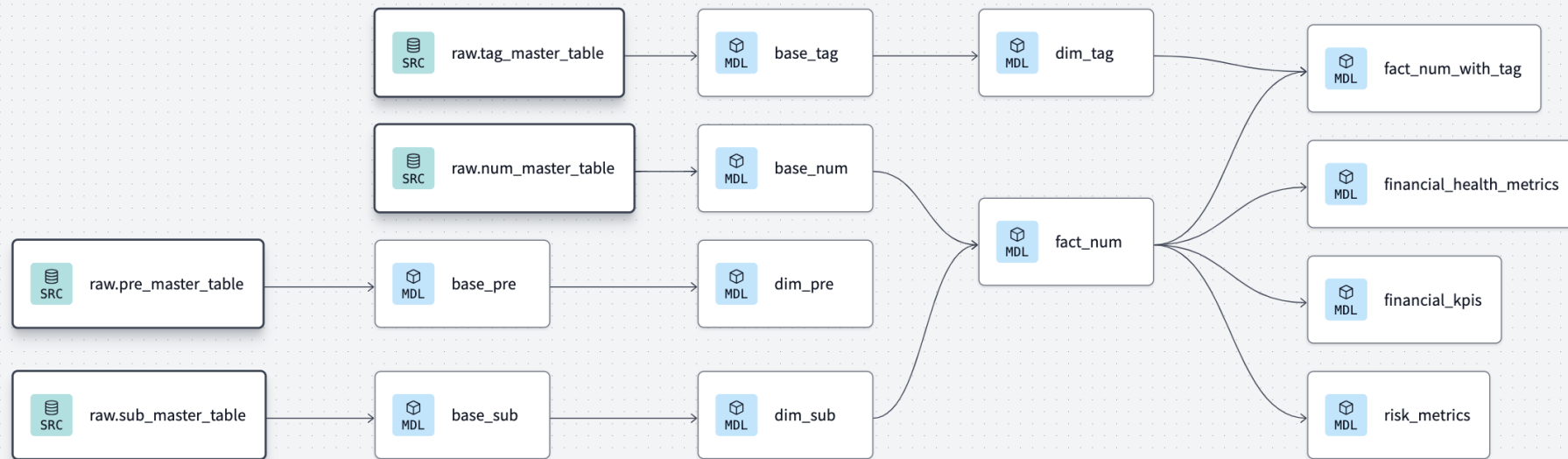
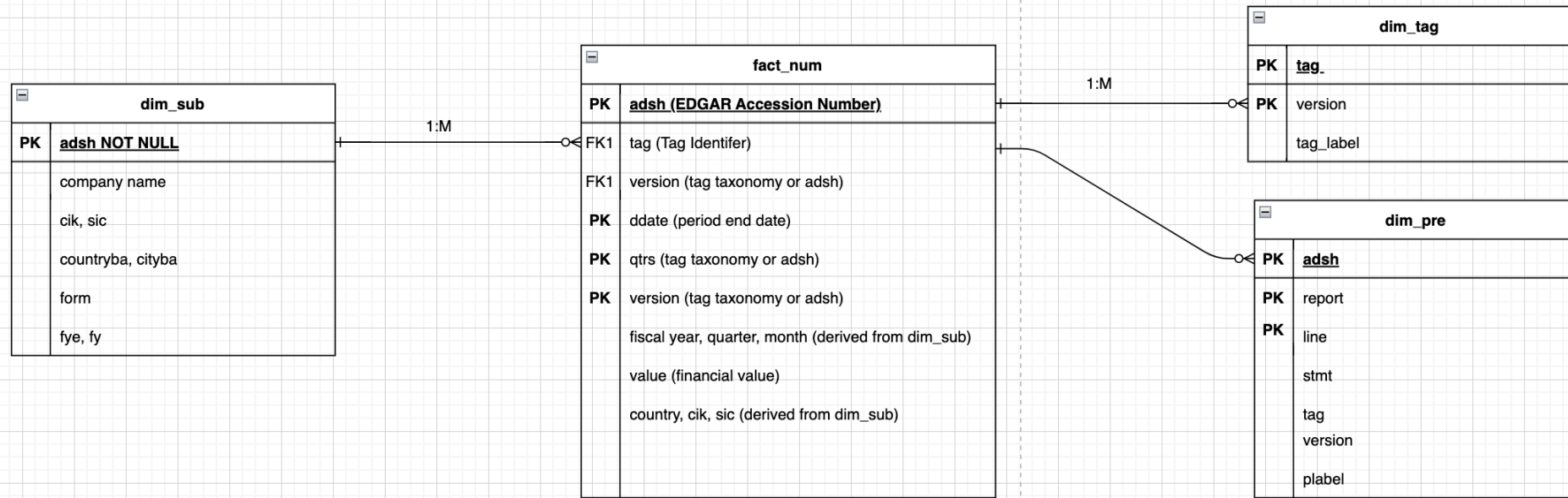
Looker

Read/Write Transformation Views & Tables





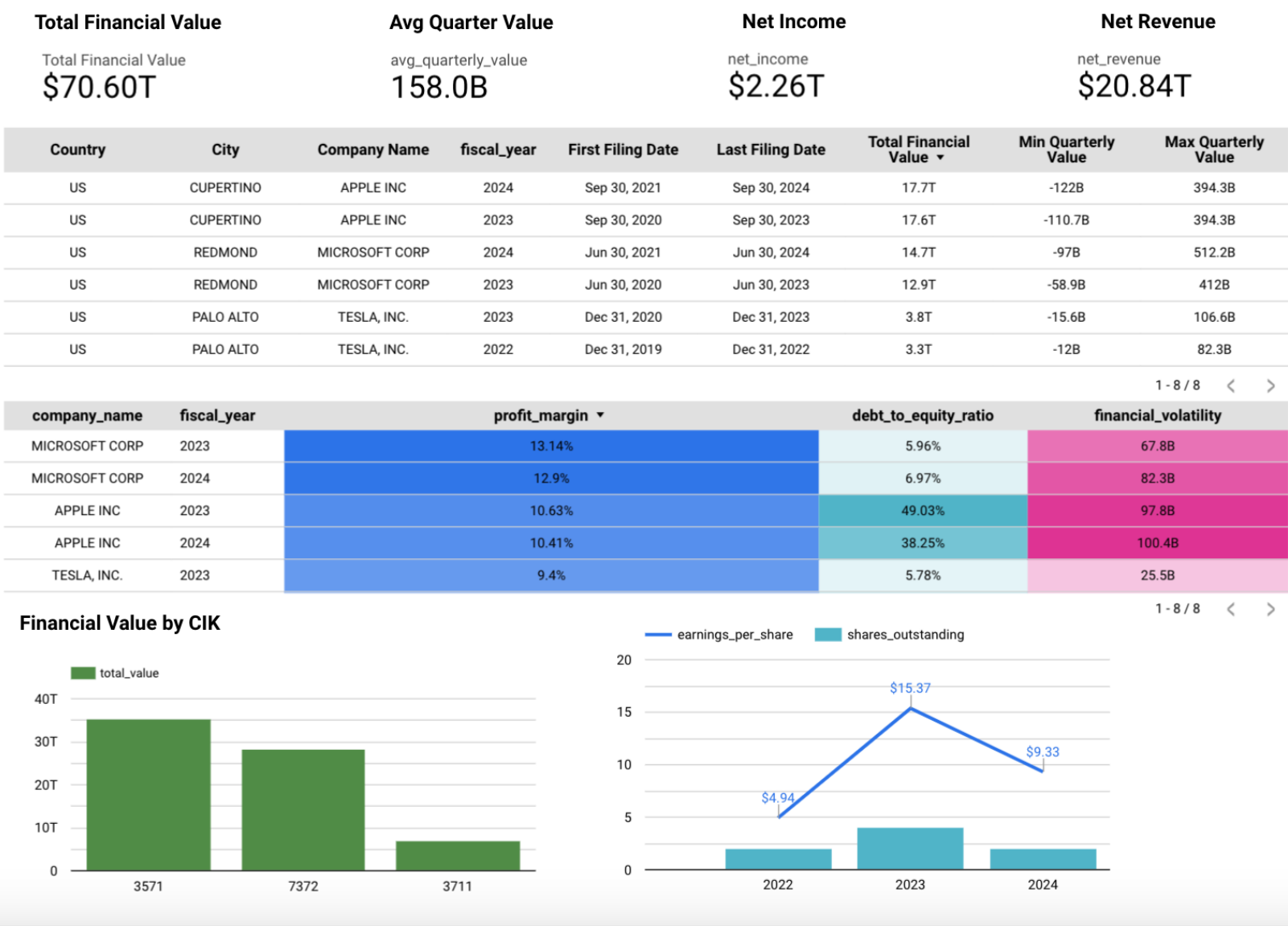
# SEC Financial Statements Data Model



## DATA MODEL IN DBT

# LOOKER DASHBOARD

## SEC 10-K Financial Statement (2023-2024) Analysis



# FUTURE ENHANCEMENTS

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**Peer Comparison & Benchmarking**



**Enable real-time data updates with  
EDGAR API Integration**



**Expand Different Sub Forms and  
Reporting Metrics**  
1. Cashflows & Liquidity Metrics  
2. Segment Specific Performance

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THANK YOU

