

## Database model documentation

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# 1. Model details

**Model name:**

Star Schema Data Engineering

**Version:**

2.4

**Database engine:**

PostgreSQL

**Description:**

## 2. Tables

### 2.1. Table FactStock

#### 2.1.1. Columns

Column name	Type	Properties	Description
DateKey	int		
CompanyKey	int		
TickerKey	int		
OpenPrice	money		
ClosePrice	money		
HighPrice	money		
LowPrice	money		
MarketCap	money		
Dividend	boolean		

### 2.2. Table DimCompany

#### 2.2.1. Columns

Column name	Type	Properties	Description
CompanyKey	serial	PK	
CompanyName	text		
ForbesRank	int		
Headquarters	text		
Industry	text		
Sector	text		
Sales	money		
Profit	money		
Assets	money		
MarketValue	money		

### 2.3. Table DimTicker

#### 2.3.1. Columns

Column name	Type	Properties	Description
TickerKey	serial	PK	
TickerSymbol	text		
Exchange	text		
Class	text		
Currency	text		

### 2.4. Table DimDate

### 2.4.1. Columns

Column name	Type	Properties	Description
DateKey	serial	PK	
TradingDay	date		
Year	int		
Month	int		
Day	int		

## 3. References

### 3.1. Reference DimCompany\_FactStockPrice

DimCompany	1..*	FactStock
CompanyKey	<->	CompanyKey

### 3.2. Reference DimTicker\_FactStockPrice

DimTicker	1..*	FactStock
TickerKey	<->	TickerKey

### 3.3. Reference DimDate\_FactStockPrice

DimDate	0..*	FactStock
DateKey	<->	DateKey

## 4. Areas

### 4.1. Fact Table subject area

#### 4.1.1. Tables

- [FactStock](#)

#### 4.1.2. References

- [DimCompany\\_FactStockPrice](#)
- [DimTicker\\_FactStockPrice](#)
- [DimDate\\_FactStockPrice](#)

### 4.2. Dimensions subject area

#### 4.2.1. Tables

- [DimCompany](#)
- [DimTicker](#)
- [DimDate](#)

#### 4.2.2. References

- [DimCompany\\_FactStockPrice](#)
- [DimTicker\\_FactStockPrice](#)
- [DimDate\\_FactStockPrice](#)