

## Data Source



Crypto Market: CoinGecko API



Social Sentiment: Twitter API v2



Social Sentiment: Reddit API



Social Sentiment: NewsAPI.org



Historical: Cryptocurrency  
Historical Prices

Social  
Sentiment/real-time  
sentiment analysis

Crypto  
Market/real-time prices  
Azure Event Hubs  
(Streaming)

Aggregated Social  
Sentiment/  
sentiment  
analysis

Historical/crypto prices



## Bronze



bronze/crypto\_prices



bronze/twitter\_sentiment



bronze/reddit\_sentiment



bronze/news\_sentiment



bronze/historical\_crypto



## Silver



silver/crypto\_prices



silver/twitter\_sentiment



silver/reddit\_sentiment



silver/news\_sentiment



silver/historical\_crypto



silver/aggregated\_sentiment

## Visualization / Analysis Results

### Gold



Data Factory



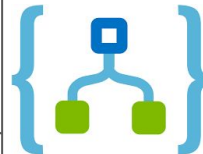
Azure Databricks



Azure  
Synapse  
Analytics



Python



Azure Logic Apps



Power BI