ETL Methods

ETL

Extraction

Extract Types
- ✓ Full Extraction
- Incremental Extraction

Extraction methods
- ✓ Pull Extraction
- Push Extraction

Extract Techniques
- Manual Data Extraction
- Database Querying
- ✓ File Parsing
- API Calls
- Event Based Streaming
- CDC
- Web Scraping

Load

Processing Types
- ✓ Batch Processing
- Stream Processing

Load Methods
- Full Load
  - ✓ Truncate & Insert
  - Upsert
  - Drop, Create, Insert
- Incremental Load
  - Upsert
  - Append
  - Merge

Slowly Changing Dimensions (SCD)
- SCD 0 No Historization
- ✓ SCD 1 Overwrite
- SCD 2 Historization
- SCD _

Transformation
- Data Enrichment
- Data Normalization & Standardization
- Data Integration
- Business Rules & Logic
- Derived Columns
- Data Aggregations
- Data Cleansing
  - Remove Duplicates
  - Outlier Detection
  - Data Filtering
  - Data Type Casting
  - Handling Missing Data
  - Handling Invalid Values
  - Handling unwanted spaces