ETL Project

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# BioTech Stock Yearly Average Trending Report

## Extract

## Extracting Stock Data using API and loading into DataFrame and also to a CSV

1. Load historical data from selected biotech companies.
   1. Find reliable APIs or other sources.
2. Load the star and losing performers in the biotech industry
   1. CSV
3. All loads will happen in the raw zone or staging area.
   1. PG Admin

## Transform

1. Find the average stock values per year (or other)
   1. To perform aggregations
2. Standardize the data coming from different sources and transform into a common format.
   1. Stock prices, Stock names, dates etc
   2. Joins (SQLAlchemy, Pandas)
3. Transformations funneled into refined zone
   1. PG Admin

## Load

1. Trending report on top ten stock yearly stock averages

# Ten BioTech Stocks

|  |  |
| --- | --- |
| Companies | Stock Symbol |
| AbbVie Inc. | ABBV |
| Amgen Inc | AMGN |
| BioGen Inc | BIIB |
| Bio-Techne Corp | TECH |
| Bristol-Myers Squibb Company | BMY |
| Gilead Sciences Inc | GILD |
| Illumina Inc | ILMN |
| Moderna Inc | MRNA |
| Regeneron Pharmaceuticals Inc | REGN |
| Vertex Pharmaceuticals Inc | VRTX |