Data Sources

CMS Healthcare
Marketplace API

Jupyter Notebook:
API_ETL

- Connects to API
- Loops Through Database
- Requests pricing information in several hundred zip codes in AZ
- Saves the results into a dataframe
- Saves the results into a .csv file
- Sends information to AWS DB using SQLAlchemy

- Bene

AWS RDS: SQL_Project_spring_2024

- Holds a 2NF Schema that houses data in 6 tables:

efits (benefit_id, name, covered, coinsurance_rate, coinsurance options, copay_amount, copay_options, network_tier, cost_sharing_reduction, display_string, has_limits, limit_unit, limit_quantity)

- Plans (db_id, name, metal_level, plan_type, product_division, premium, premium_with_credit, ehb_premium)

- Counties (county_id, name, fips_code)

- Deductibles (deductible_id, db_id, deductible_type, amount)

- MOOPs (moop_id, db_id, moop_type, amount)

- PlanZipCodes (db_id, zip_id)

- ZipCodes (zip_id, county_id, zip_code)