Data on finder.healthcare.gov

Access to off federal exchange plan data

Jupyter Notebook: Web_Scrape_ETL

- Creates an Automation window in Safari with Selenium

- Navigates to the Healthcare Finder website (plans outside of fe exchange and marketplace api)

- navigates to the healthcare plans page and inputs fields required: Code, Gender, Tobacco Usage

- Navigates to the View Plans Page

- Loops through and collects data, stores in DF, then goes back an next Zip Code

- Stores Data from Zipcodes in Major Cities in AZ: Pheonix, Tuscor Chandler, Gilbert

Store Data in Dataframe, and use SQL alchemy to send the data to RDS

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AWS RDS: Web_Scrape_Schema

- Holds a 3NF Schema that houses data in 10 tables:

Benefits: Plan_Name, Included_Benefits, Excluded_Benefits, Limited_Benefits

Dental Coverage: Plan_Name Basic_Dental_Adult Basic_Dental_Child Routine_Dental_Adult Routine_Dental_Child
Major_Dental_Adult Major_Dental_Child Orthodontia_Adult Orthodontia_Child

Disease_Management_Programs: Plan_Name Disease

Drug_Coverage: Plan_Name Drug_Type Coinsurance Copay

Health_Services: Plan_Name Service_Type Coinsurance Copay Referral_Required Maximum_Days

Mental_Health_Services: Plan_Name Service_Type Coinsurance Copay

Plan_Details: Plan_Name Plan_Description Phone_Number TTY_Number Website_URL Estimated_Monthly_Premium
Individual_Deductible Family_Deductible Individual_Out_of_Pocket_Limit Family_Out_of_Pocket_Limit Plan_Type
Coverage_Level Child_Only_Coverage HSA_Eligible Rx_Coverage Wellness_Program_Offered Out_of_Service_Area_Coverage
National_Network Out_of_Country_Coverage

Pregnancy_Coverage: Plan_Name Notification_Required Prenatal_Postnatal_Care Delivery_Cost

Vision_Coverage: Plan_Name Routine_Eye_Exam_Adult Routine_Eye_Exam_Child Eyeglasses_for_Child