Rui Zhu

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SKILLS

Programming Language: Python (PySpark, Pandas, NumPy, seaborn, Matplotlib), SQL
AWS: EC2, S3, DynamoDB, EMR (Apache Spark)
Tools: MS Office (Word, PowerPoint, Outlook, Access, Excel (functions, VLOOKUP/XLOOKUP, Pivot Tables, graphs, dashboards, Power Query)), SQL Server, SSMS, PowerBI, Tableau, dbt, Google BigQuery

PROFESSIONAL EXPERIENCE

Enrollment Data Analyst II, Elevance Health (New York)   May 2023 – Present
- Generate reports providing enrollment metrics and for reconciliation purposes:
  - Various reports involved in maintaining and reconciling of plan enrollment information on the New York state assessment website; ensuring accuracy of information to be above 95%.
  - The enrollment rate of referrals submitted from each partnered homecare vendor.
  - The list of members missing relevant documents pertaining to enrollment for further follow-up by the enrollment specialists.
  - The list of consumers that declined to enroll due to rejection of plan of care.
- Participate in UAT of new and existing applications.
- Data entry and various administrative duties

Customer Service Representative, Healthfirst (New York)   Oct 2019 – Feb 2023
- Answering, resolving, and documenting member inquiries in a timely manner by utilizing provided software programs (Salesforce, BizTalk, Macess, MHS, Ontact, TruCare) while complying with HIPAA compliant policies.
- Working knowledge of health insurance processes/terminologies such as but not limited to: 834 files, plan benefits, appeals/grievances, deductible, claims, copayments/coinsurance, capitation, coordination of benefits, premium payments/refunds, demographic information update.
- Working knowledge of NYSOH Marketplace/ACA plans (Qualified Health Plan, Essential Plan, Child Health Plus), Medicaid Managed Care, Managed Long Term Care plans (including Medicaid Advantage Plus), and Medicare Advantage plans.

PROJECTS

Medicare Physicians and Others 2022
- Exported the 2022 data, CSV file, for Medicare Physicians and Others payment to SQL Server using SSMS and T-SQL. I normalized the data and queried for insight.
- https://github.com/piepiepies/2022partBphysiciansothers

NPI and Taxonomy Database
- Utilized Python (pandas, numpy, pyodbc, sqlalchemy, bcpandas, and others) and SQL to export NPI and taxonomy data from CSV to SQL Server via SSMS.
- https://github.com/piepiepies/npidatabase

Predictive Modeling for Medicare Payments
- Exported 6 years of claims/payments data for outpatient physicians from CMS to develop a machine learning model utilizing linear regression through PySpark ML pipeline to attempt to predict the amount of money Medicare will spend for each state.

EDUCATION

Baruch College   New York, NY
BBA in Computer Information Systems, Data Analytics   June 2023
Minor in Philosophy and Minor in General Marketing
Relevant Coursework: Database Management, Data Mining for Business Analytics, Data Warehousing for Analytics, Programming for Analytics, Data Visualization, Big Data Technologies, Statistics (Business Statistics, Regression and Forecasting for Business Applications)