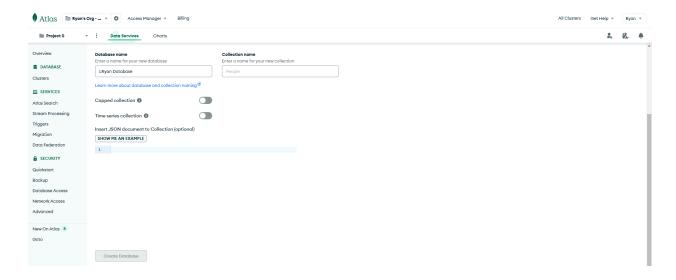
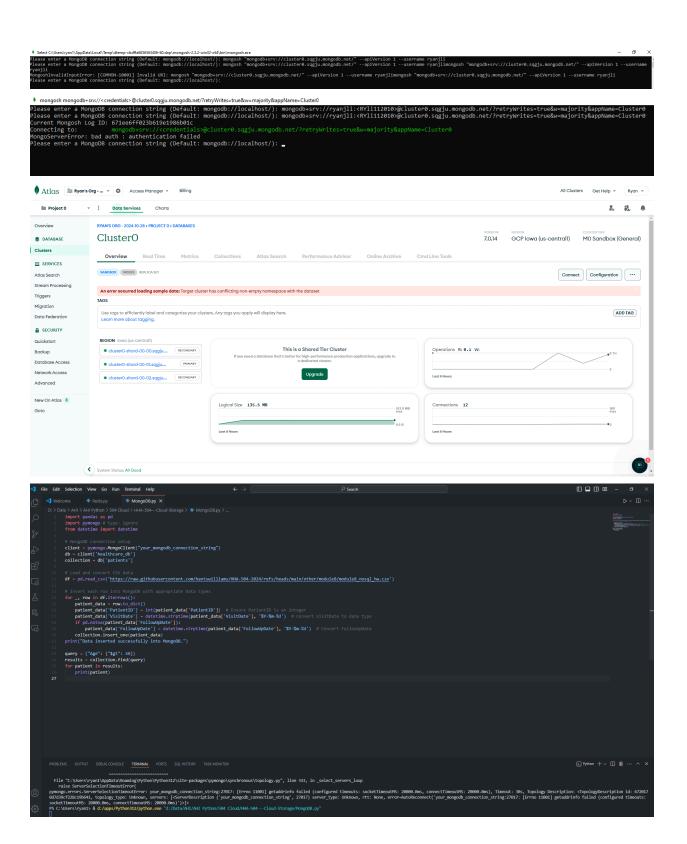


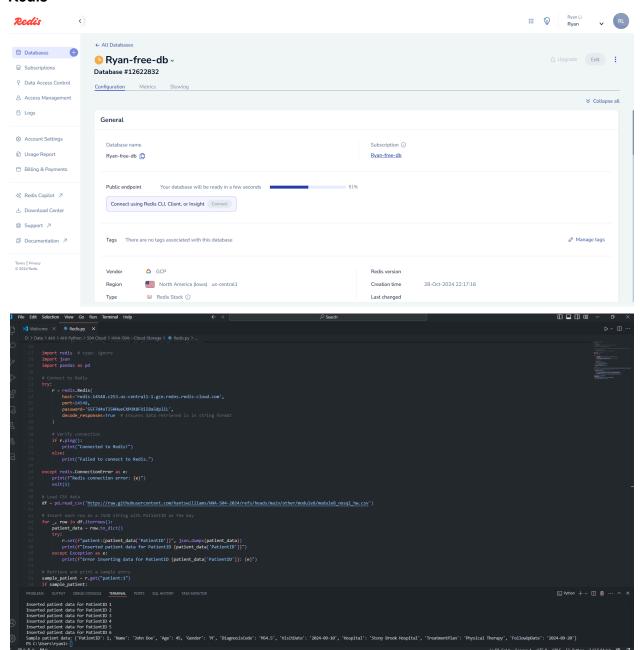
MongoDB





Had difficulty importing the dataset into mongoDB. I tried using the shell to import the csv file locally but kept facing an error that made application close down. I also tried manually importing a json file into the database but kept receiving an error.

Redis



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BigQuery

- Pretty simple process
- Create new dataset within bigguery on GCP
- Uploaded the provided data as a table manually within the bigguery dataset
- Ran the SQL query on a dataset to retrieve patients over the age of 40.
- Monitoring tools are useful to view resource usage and cost estimates
- Clear structured layout for datasets, tables and queries

MongoDB

- Created a mongoDB account and set up a new cluster
- Created new database and collection to store the healthcare data
- I used a python script using pymongo to read the csv file and convert each row to JSOn format
- I used the query functionality to retrieve records where the patients age was over 40
- Pretty user friendly and eas to set up
- Flxible document based approach

Redis

- Created new redis cloud account and new database instance
- I made a python script using the redis library
- Retrieved and updated data by querying patient records based on their ids
- Very minimal and clean interface
- Key value storage
- Efficient and simple fast data retrieval but best suited for scenarios with key value pairs data