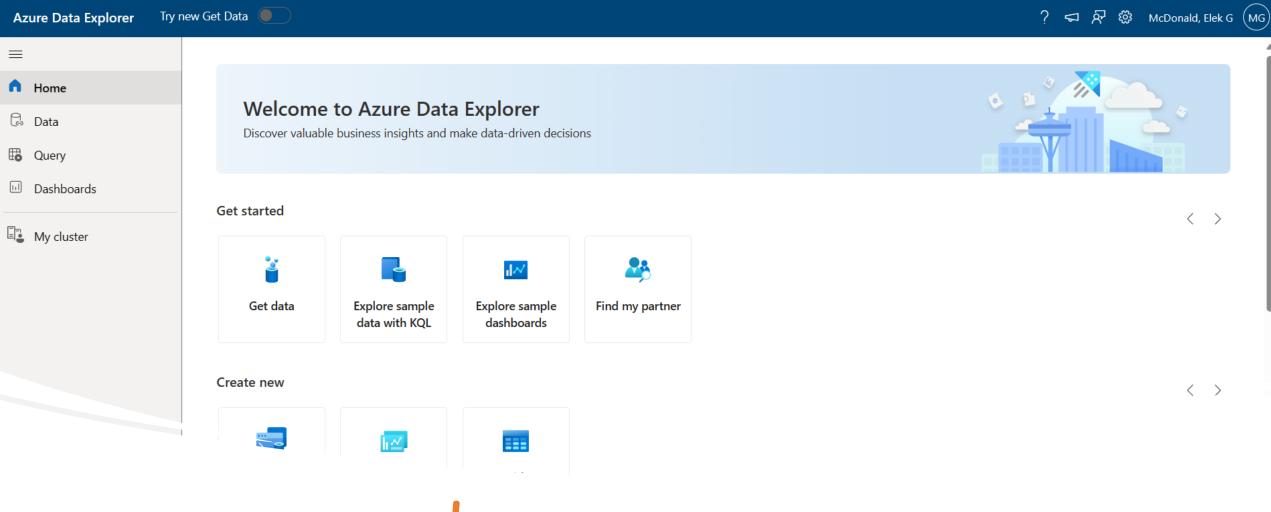
Azure Final Project: Healthcare Data

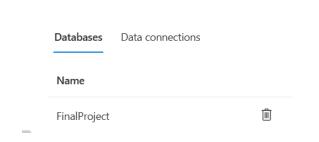
Cole, Larry, Elek

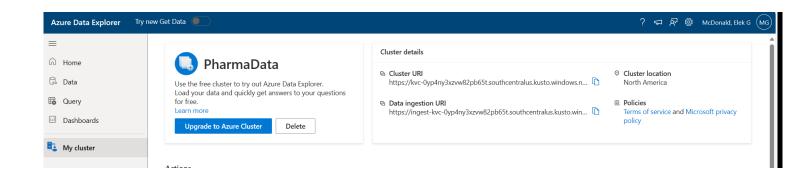


Azure Data Explorer

- Settled on Azure Data Explorer as our service
- Goal = load data, run queries, make visuals

Made Cluster and Database

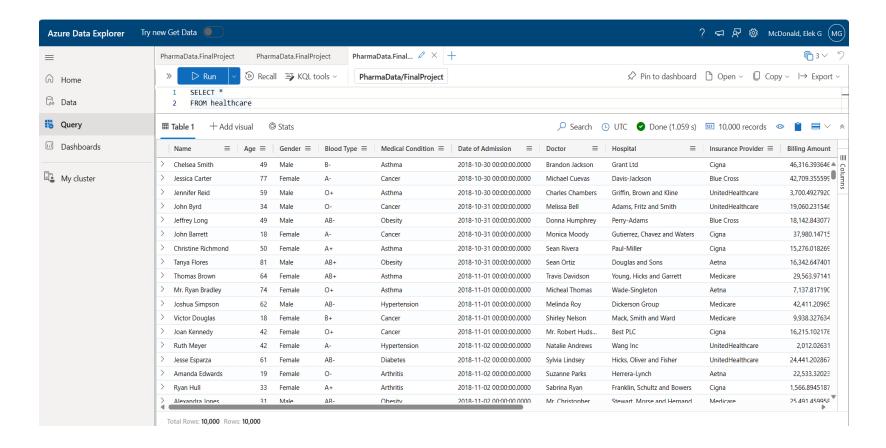




- To begin the query → made a cluster
 - Made database to upload csv files as needed
- Started with pharma dataset
 - Switched to healthcare dataset for visualization purposes
 - Pharma data was confusing → numerical data didn't make sense

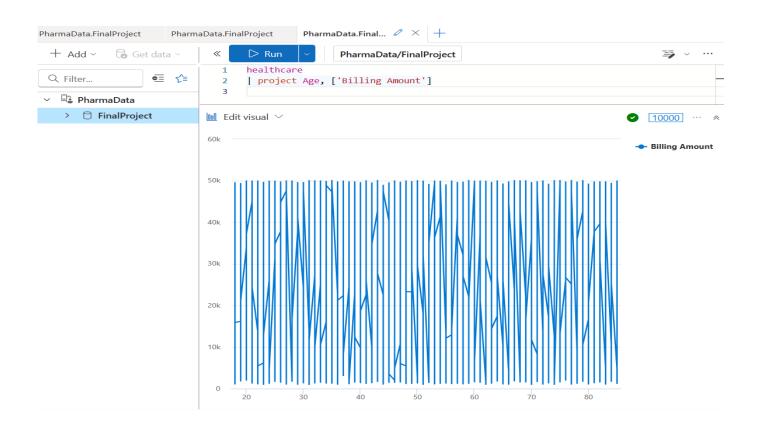
Ran Query

 Ran a SELECT statement as our initial query to visualize our dataset



Visualization Attempt

Had some
 experience in SQL,
 but no training in
 KQL, so we had to
 learn syntax through
 ChatGPT, Bing, and
 google



- Attempted first visual
- Confusing graph about Billing Amount and Age

Overview – Our Challenges with KQL Coding

 After ingesting our data into Azure Data Explorer, problems began to arise once we attempted to create visualizations. The obstacles goes as follows:

• Complex Queries:

 KQL is a powerful query language, but constructing complex queries for visualizations can be challenging. Ensuring that the queries meet the specific requirements for visualization might require a deep understanding of both the data and the KQL syntax. That being said, the KQL syntax posed a large challenge to us as all of the different queries we tried to utilized came out as "errors"

Data Formatting Issues:

Visualizations often require data to be formatted in a specific way.
 After ingesting our csv file into our Azure cluster, the data within our csv contained specific flaws (spaces in column names) which required us to reformat our csv file so that we may use the data within Data Explorer.

To address these challenges, it is important that we utilize our resources (internet, other classmates who have knowledge within the language) to understand the intricacies of KQL and explore the capabilities of any associated visualization tools or platforms. Additionally, seeking assistance from online communities or documentation resources can be valuable in overcoming specific hurdles.