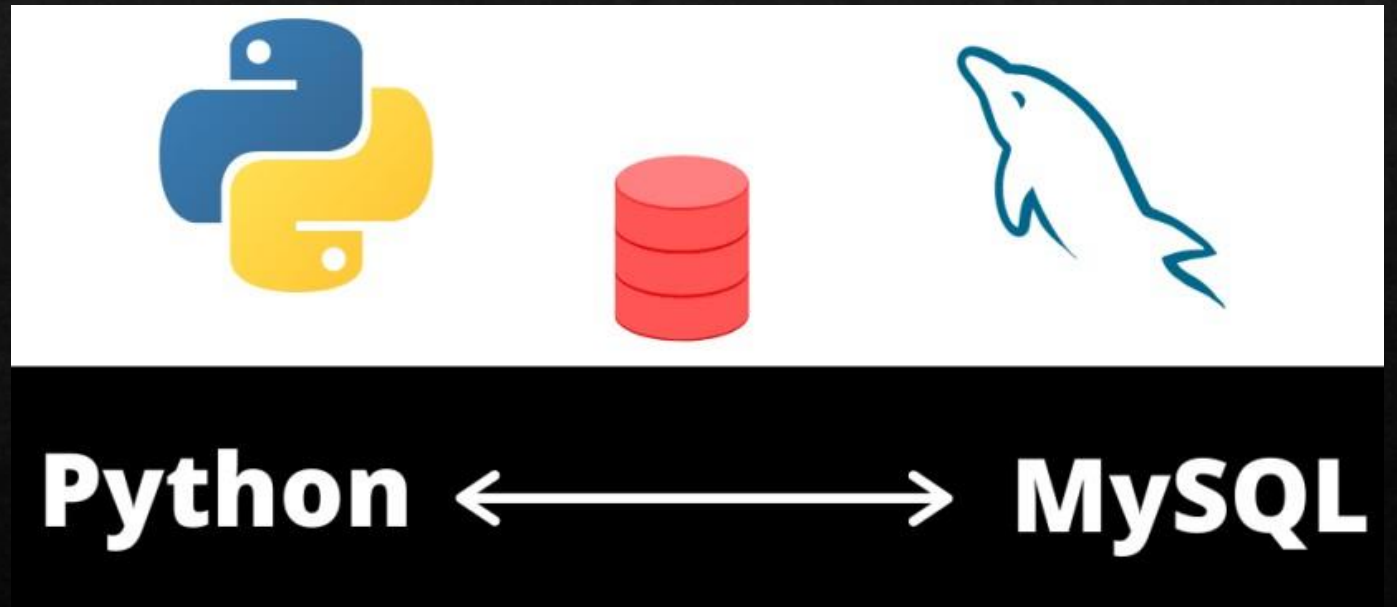
The background of the entire image is a dense, overlapping field of 3D-rendered numbers (0-9) in various shades of blue and white. The numbers are of different sizes and are oriented in various directions, creating a sense of depth and movement. A solid black rectangular box is positioned on the right side of the image, containing the title and author information in white text.

MySQL Database Visualizations

Michael P Gonzalez

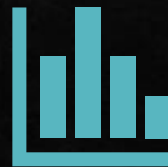
Table of Contents

- 📁 Summary
- 📁 Findings
- 📁 Challenges
- 📁 Conclusion



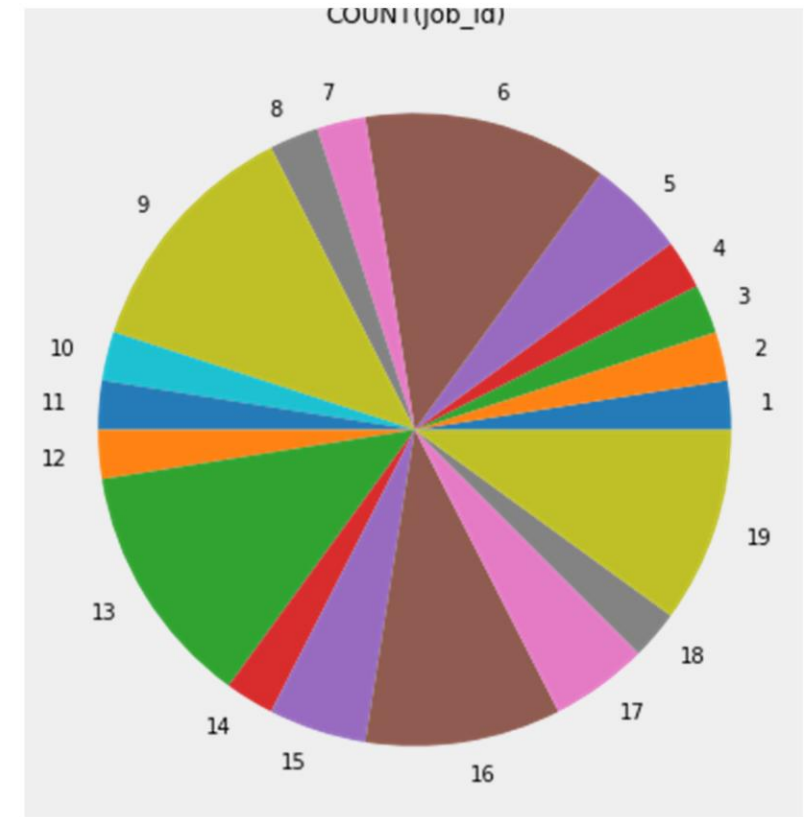
Summary

Have you ever wondered if it is possible to pull data from a MySQL database? Do you think it is possible to pull data from a remote database? These questions were the one that I asked myself. I wanted to pull data from a remote MySQL database and create visualizations from it. I used the python environment to perform my actions needed to complete this repository. I also used the Pandas, Matplotlib, MySQLdb, and SQLAlchemy modules for this project.



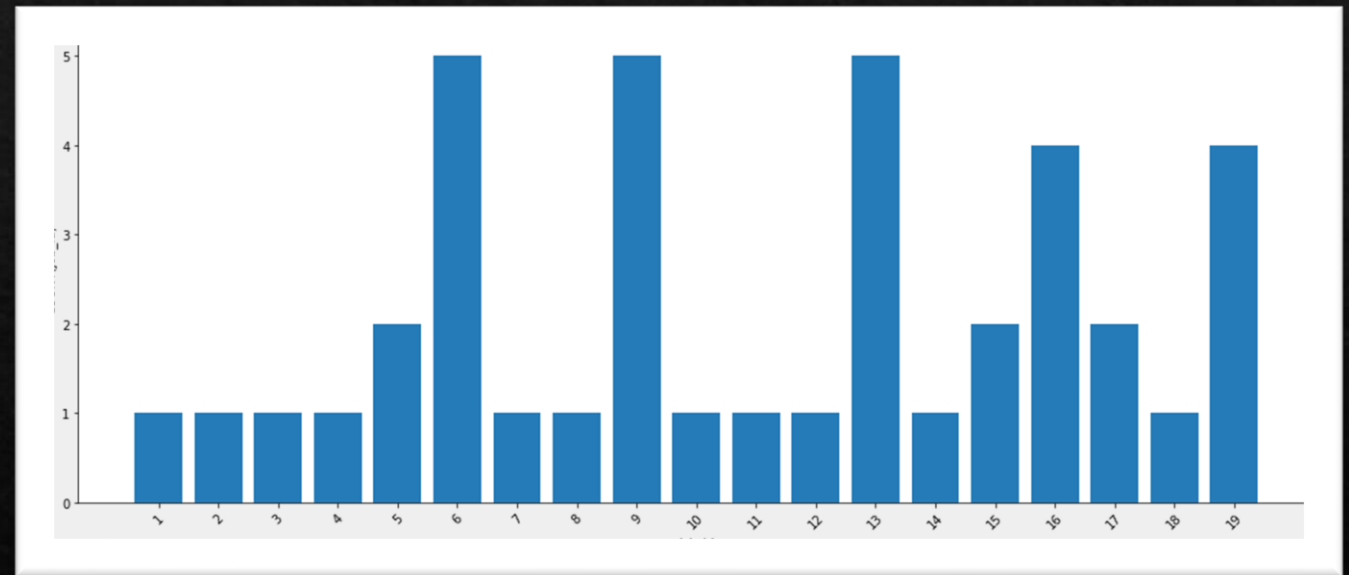
Findings

The dataset was located on a remote MySQL Database that I was tasked to pull data from this database and create data visualizations. This repository demonstrates my ability in dealing with this type of dataset. Retrieving data from a database is becoming the normal way of pulling data and this will help in displaying how I dealt with this task.



Challenges

On this project, I ran into a few challenges. The first challenge was establishing a connection with the remote MySQL database. I did my research, and I found a wonderful solution from the stack overflow forums. The second challenge was to find a way of using the SQL language in the Jupyter Notebook platform. It was a little tricky for me to get it to work in this platform. These two challenges were not very big, but they were noteworthy for this project.



Conclusion

When I took on this project, I haven't pulled data from a database since my graduate school days. This project gave me many questions on the best way of pulling data from a database. With the help from different sources like the stack overflow forums, I was able to find different paths to completing this project. I was a little cautious at the beginning of this project, but I knew that I would benefit greatly from this project. As you look through the notebook, you will see that there are many opportunities to expand the visualizations.