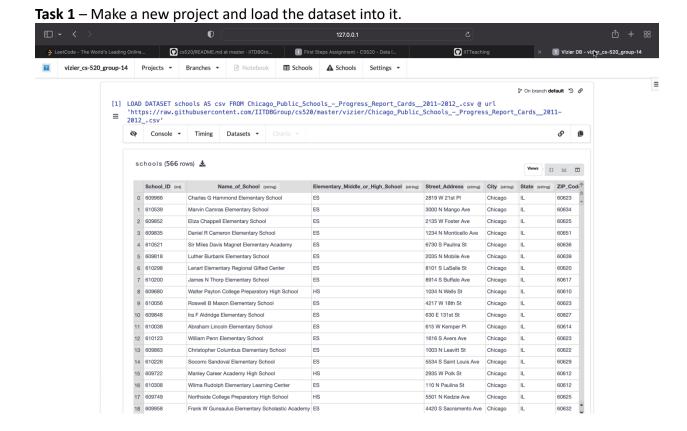
Data Integration, Warehouse, and Provenance Vizier Assignment - 1

Intro to Vizier

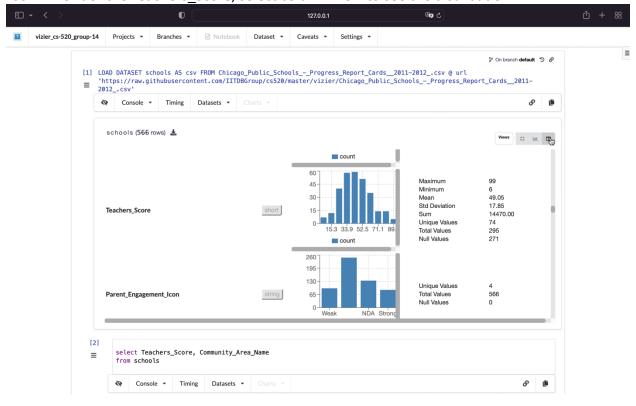
For this assignment we have downloaded docker and downloaded the image. Configuration of Coursier and other dependency to use vizier.

Run the following Commands.

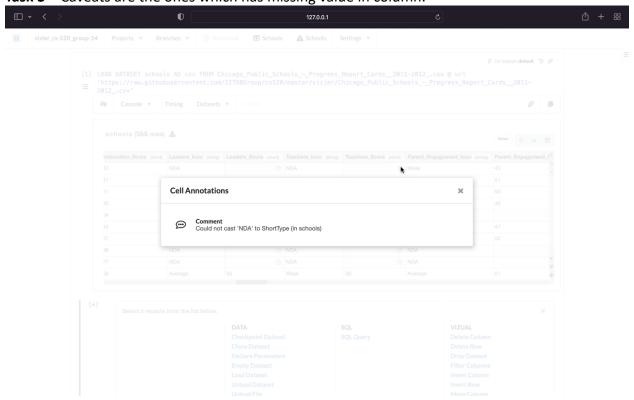
- docker pull iitdbgroup/vizier_iit_cs520_fall23:arm
- docker run --name vizier --rm -v `pwd`:/vizier.db -p 5001:5001 -p 8089:8089
 iitdbgroup/vizier_iit_cs520_fall23:arm -p 5001



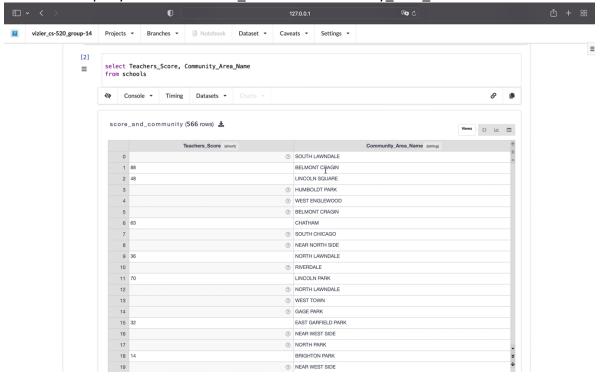
Task 2 – Under the Teachers Score, select column view to see the distribution.



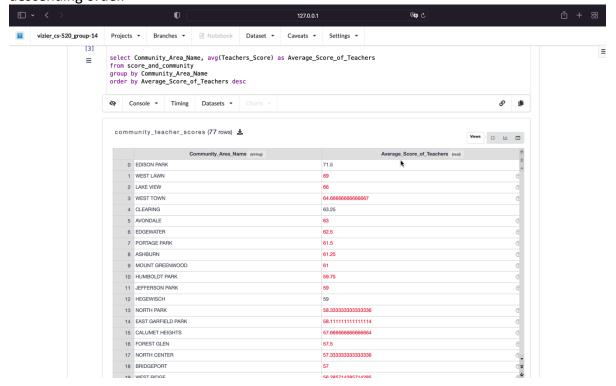
Task 3 – Caveats are the ones which has missing value in column.



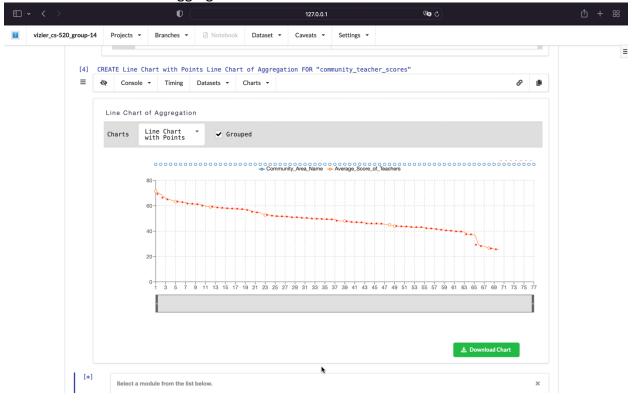
Task 4 – SQL query to select teacher_score and community_area_number from the dataset.



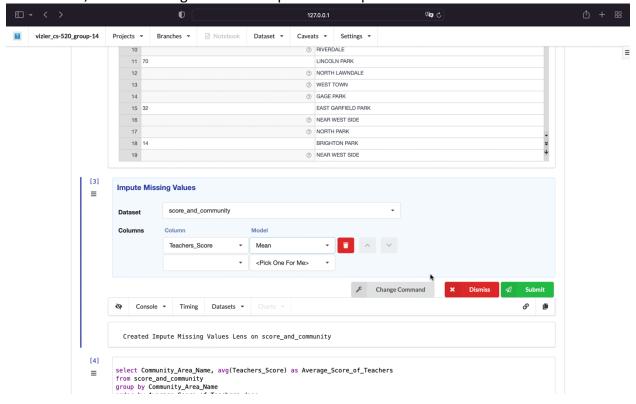
Task 5 – SQL query for dataset score and community which we created in task 4, where we have to select the Community Area Name and Average scores of Teachers where the score is in descending order.

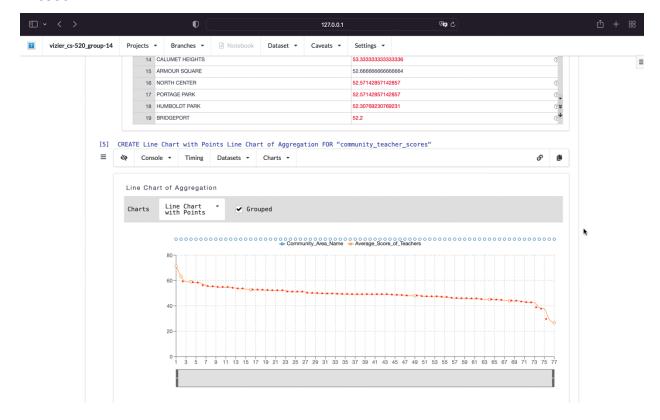


Task 6 – Line chart of the aggregation which we made in above task.

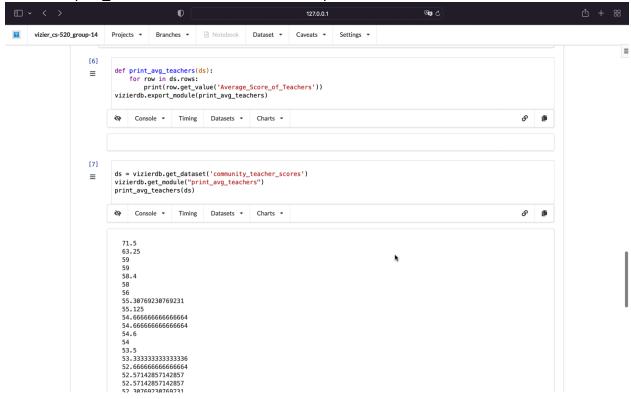


Task 7 – Add a cell above the Average Scores of Teachers and add Impute Missing Values and select mean, so it will change in below steps which we performed.





Task 8 – Create a Python cell to print all the rows of average scores of teacher using vizierdb.export module. Create another cell and print the data.



Task 9 – Python cell to filter the rows where the average score of teachers should be more than 30.0.

