

Data sources

We got our data from fellow classmates and friends. For the student's address, those that weren't comfortable with sharing their address received a similar address of housing on campus. We asked for the courses they are enrolled in and went to UMD's website Testudo to get more information about the course and instructor. We also got information about the department on Testudo.

References

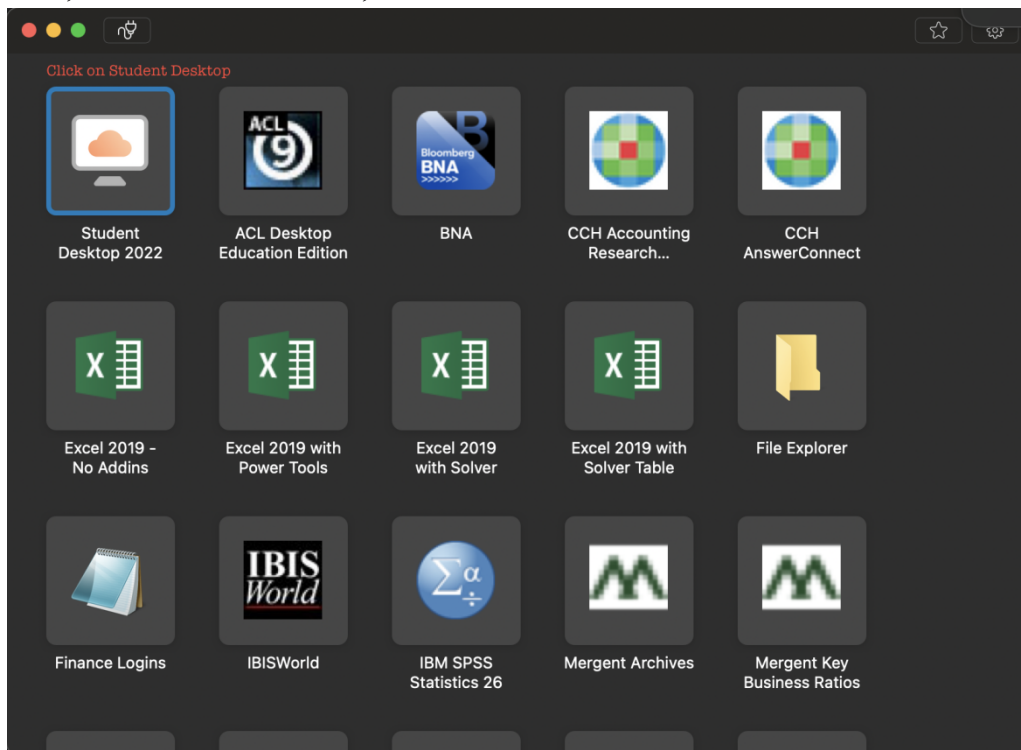
Data Science and Big Data Analytics discovering, analyzing, visualizing and presenting data (2015). Hoboken: John Wiley & Sons.

Schedule of classes. Testudo Available at: <https://app.testudo.umd.edu/soc/> (Accessed: December 10, 2022).

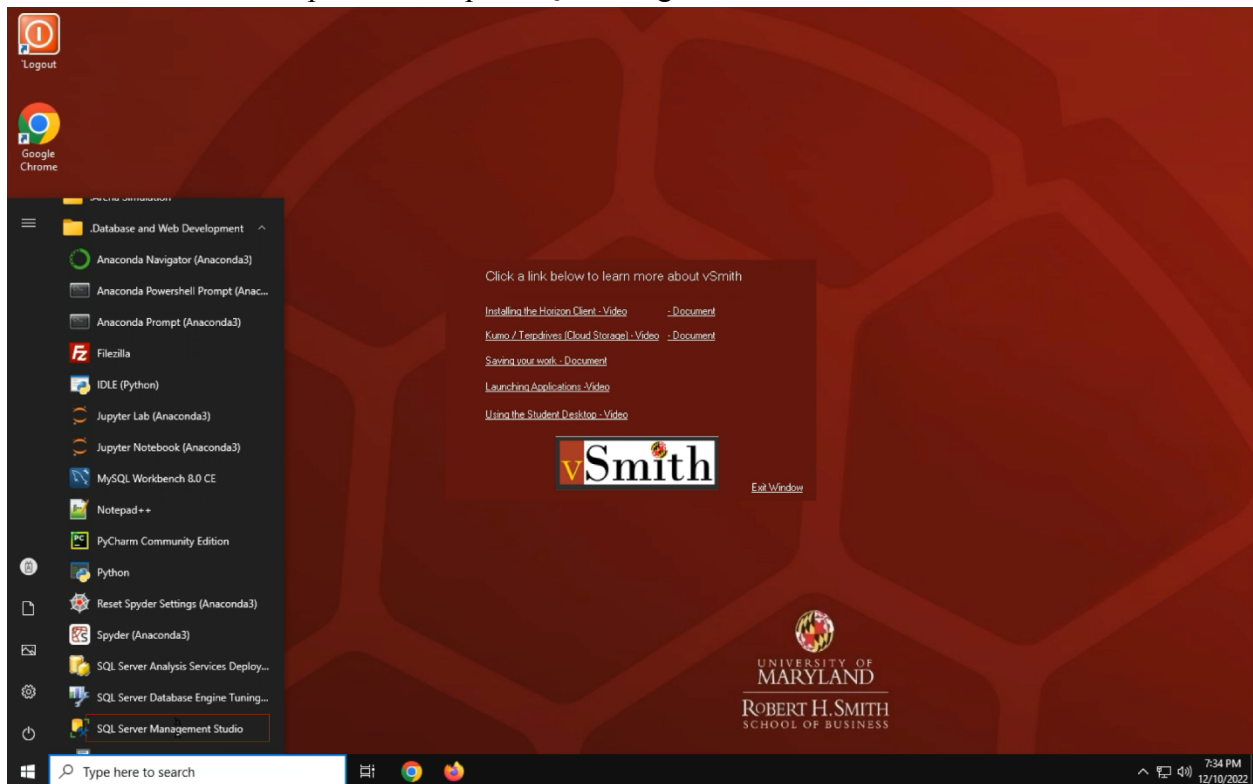
Testing the Database

SQL

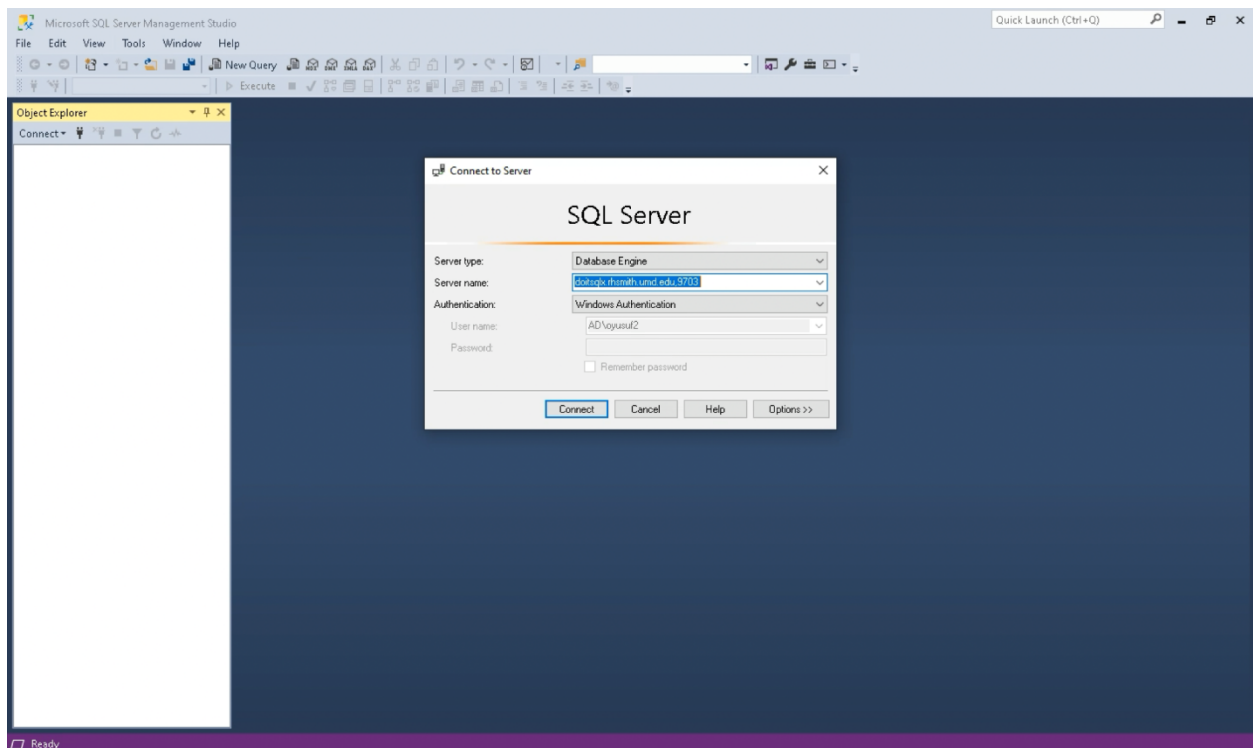
First, we connect to Vsmith,



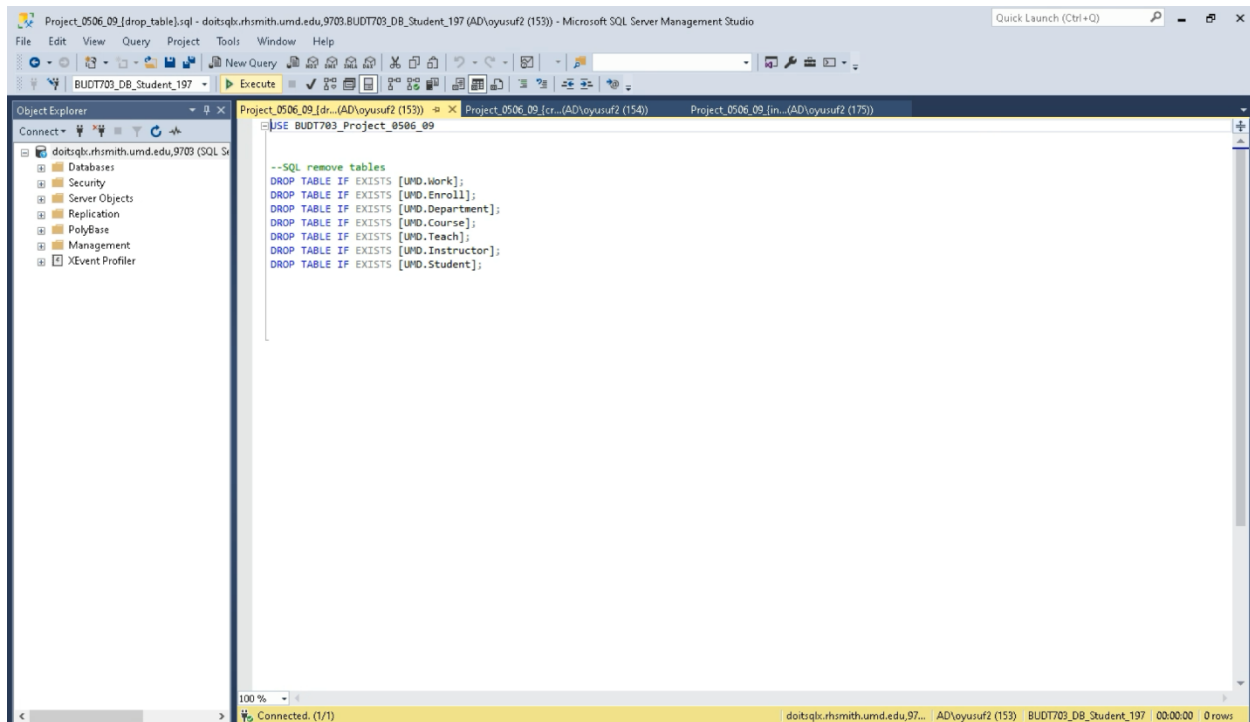
Click on student desktop and then open SQL management studio



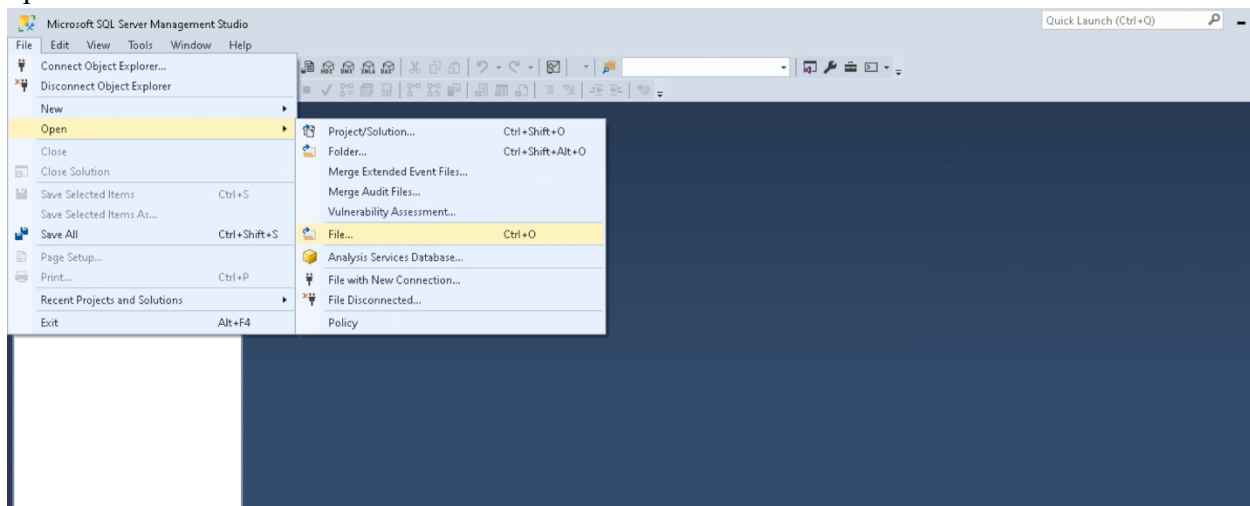
Log in to SQL server management studio using “doitsqlx.rhsmith.umd.edu,9703” as the server name.



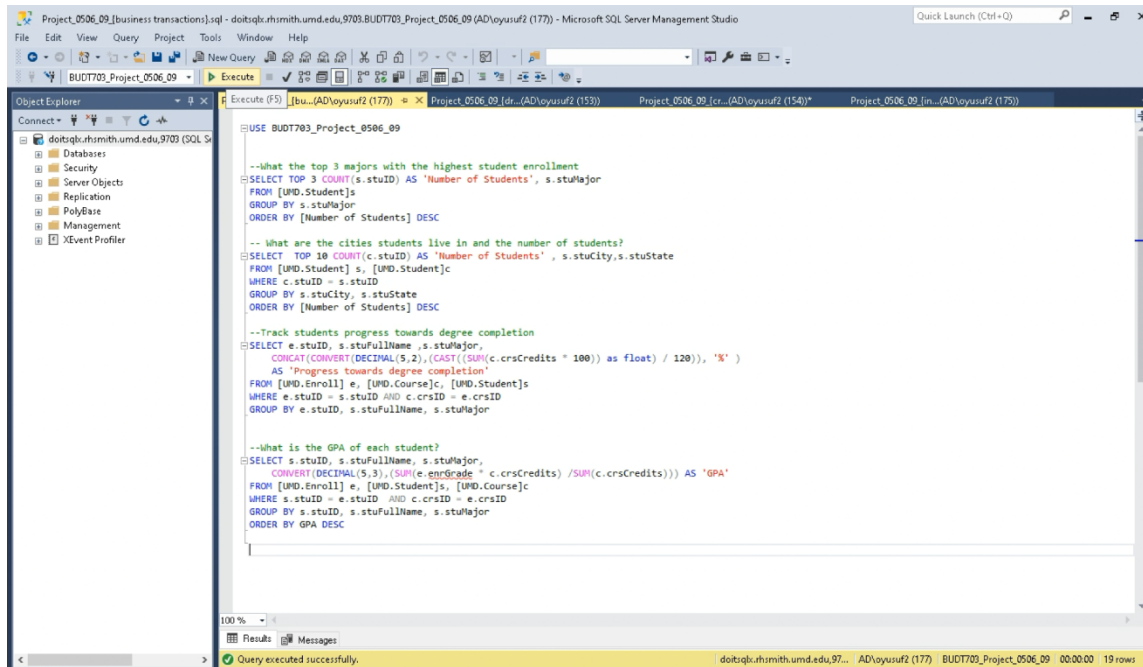
To create the database first we download the SQL files named Project_0506_09_{drop_table}.sql, Project_0506_09_{create_table}.sql and Project_0506_09_{insert_table}.sql. On the SQL home page, we click on the file tab and open a file and then we open all three files. After that we execute the files in this order: drop table file, create table and then insert table file.



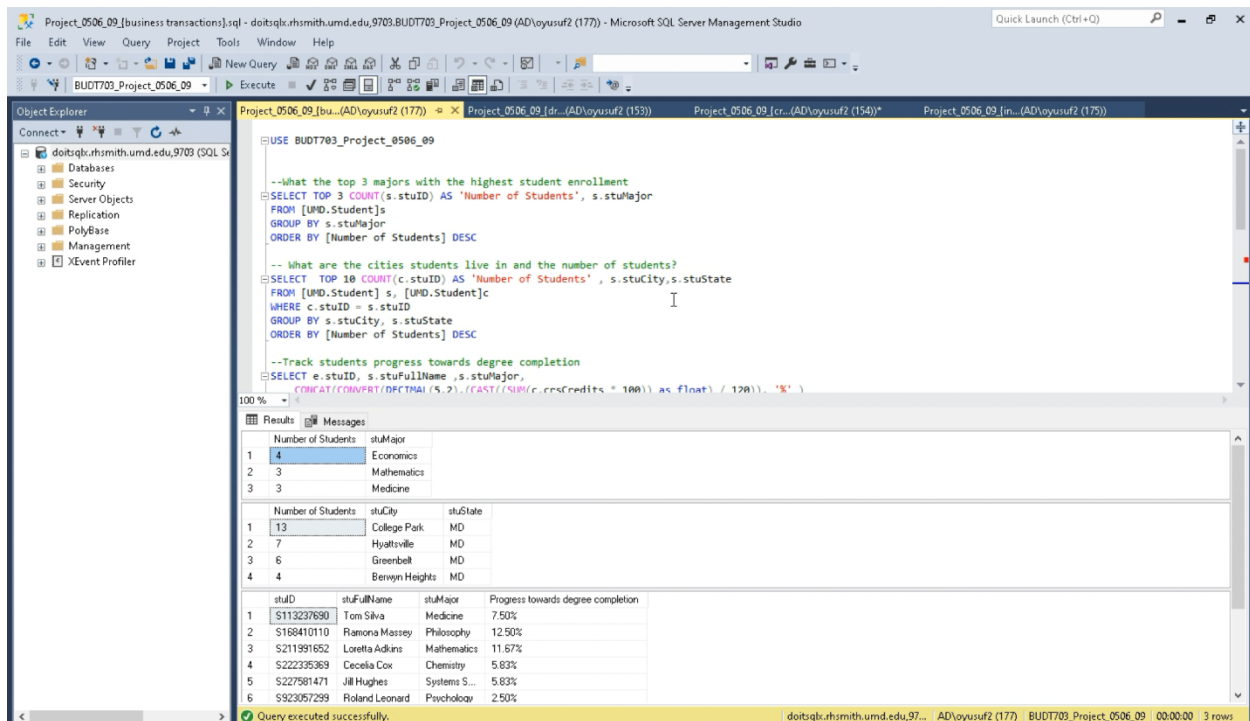
To test the business transactions, we download the file Project_0506_09_{business transactions}.sql and on the SQL home page, we click on the file tab and open a file and then we open the business transactions file.



After that, we hit execute

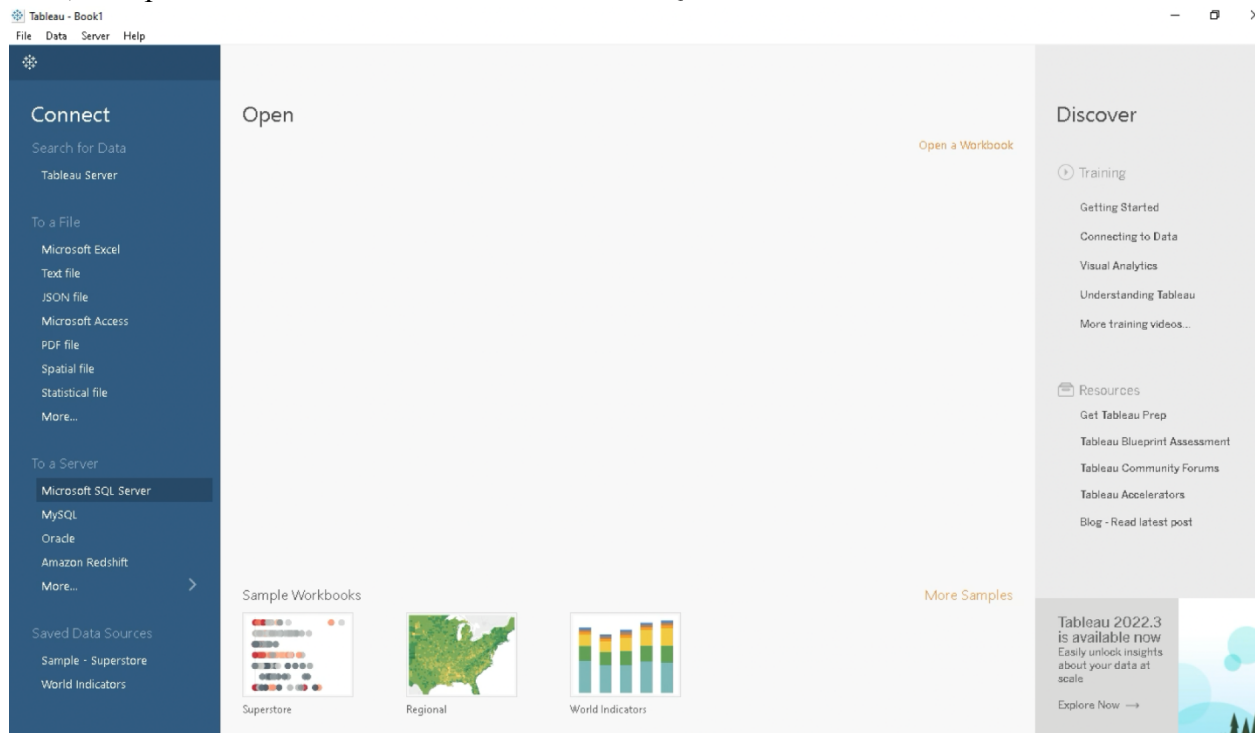


And the result is shown below

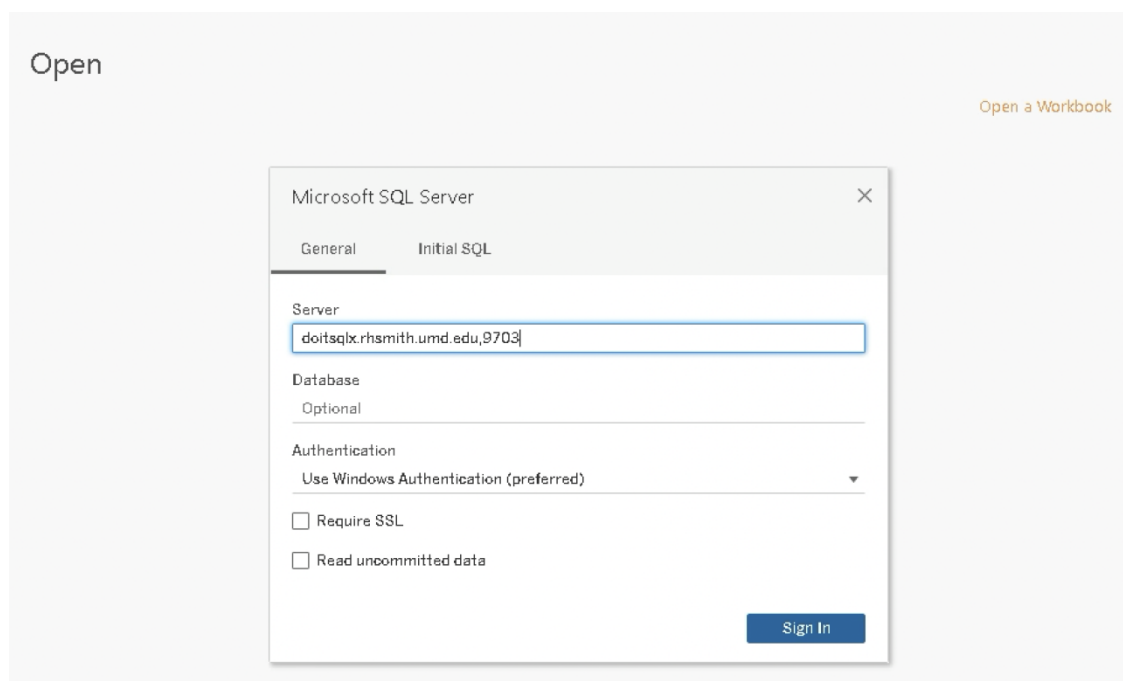


Tableau

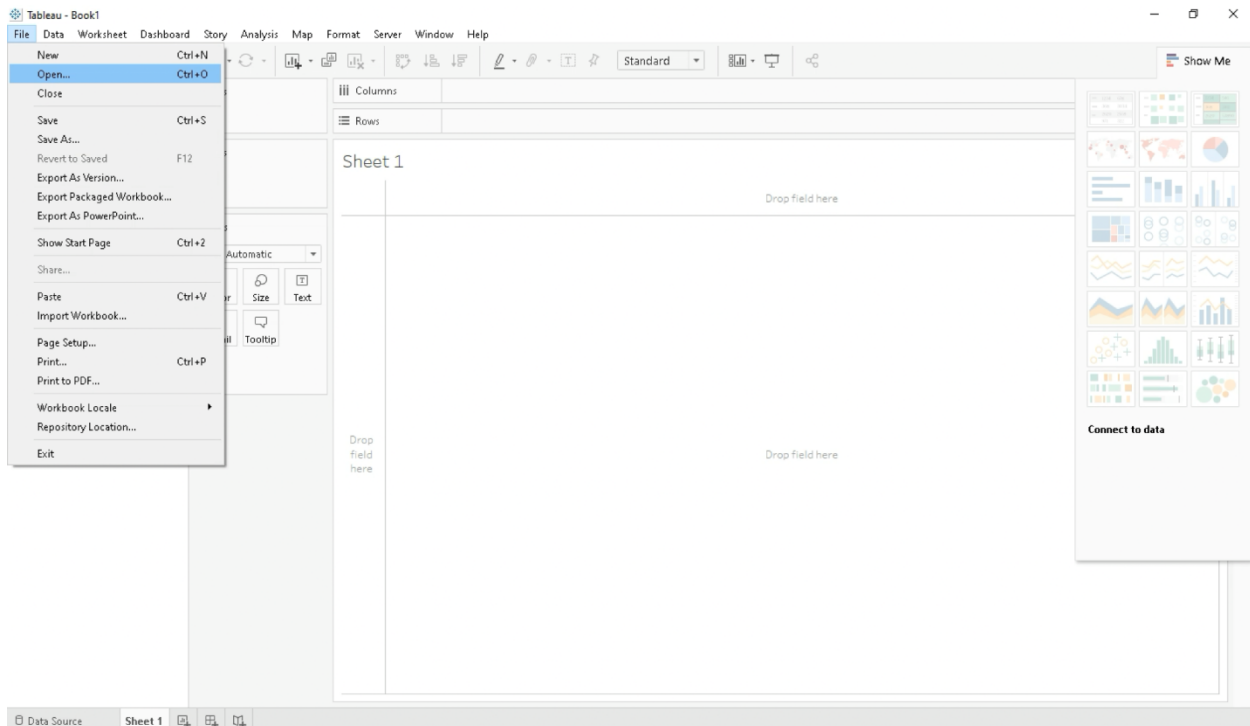
First, we open tableau and we click on Microsoft SQL server



Log in to Tableau using “doitsqlx.rhsmith.umd.edu,9703” as the server name.



Then we click on the file tab and then open the file Project_0506_09_{business transactions}.twbx



The output is shown below

