Speaker: Ruofan Chen

Title: SQL for Data Science

Abstract: SQL (Structured Query Language) is a database computer language designed for the retrieval and management of data in a relational database. This presentation will give a brief introduction to SQL, focusing on applications in the field of data science, including SQL syntax, common statements, concepts, and terminology. This will include both simple and complex queries. This presentation is going to use MySQL as the chosen relational database. A demo database ‘school’ will be created during the presentation, and all examples will be based on this database. If you are interested, please download the MySQL and a GUI you preferred (DataGrip is used as the example in my presentation) on your computer before the presentation.

References:

SQL for Data Science (Website) <https://www.coursera.org/learn/sql-for-data-science/home/welcome>

SQL tutorial (Website) <https://www.sqltutorial.org/>

SQL tutorial by w3schools.com (Website) <https://www.w3schools.com/sql/default.asp>

SQLZOO (Website) <https://sqlzoo.net/>

Useful Resources:

MySQL Community Download for Windows:

<https://dev.mysql.com/downloads/installer/>

MySQL Community Server Download:

<https://dev.mysql.com/downloads/mysql/>

DataGrip Download for Windows:

<https://www.jetbrains.com/datagrip/download/#section=windows>

DataGrip Download for MacOS:

<https://www.jetbrains.com/datagrip/download/#section=mac>

DataGrip Download for Linux:

<https://www.jetbrains.com/datagrip/download/#section=linux>