

Professor McDonald
FNCE 5352 – Financial Programming and Modeling
March 3, 2020
SQL Class Notes

Cheat Sheets:

Below are the cheat sheets I used in class to help describe SQL and ggplot2

http://files.zereturnaround.com/pdf/zt_sql_cheat_sheet.pdf

<https://www.rstudio.com/wp-content/uploads/2015/03/ggplot2-cheatsheet.pdf>

Try it out:

This is the website that allows you to execute SQL statements against an imaginary customer/orders database:

https://www.w3schools.com/sql/trysql.asp?filename=trysql_select_all

Topics covered:

Below is a list of topic I covered in class.

- 1) Relational database
 - a. What is it
- 2) Select
 - a. Fields
 - b. aliases
- 3) From
- 4) Where
 - a. =
 - b. Between
 - c. In ()
- 5) Group by
- 6) Having
- 7) Joins
 - a. Inner
 - b. Left
 - c. Right
 - d. Full
- 8) Subqueries
- 9) Data Manipulation
 - a. Insert
 - b. Update
 - c. Delete
- 10) Data Definition
 - a. Add Table
 - b. Drop Table
- 11) Accessing a database with R
 - a. RODBC
 - b. <https://gist.github.com/tgh0831/6379253fd6d82671005127a843456aaa>