Professor McDonald   
FNCE 5352 – Financial Programming and Modeling   
March 13, 2019  
SQL Class Notes

# Cheat Sheets:

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

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