### [**Data Acquisition and Management DATA 607 02[15961] (School of Professional Studies)**](https://bbhosted.cuny.edu/webapps/blackboard/execute/courseMain?course_id=_1705328_1)

### WEEK 2

### Week 2 Core Reading

Please read:

* Automated Data Collection with R, chapter 7.
* Data Science for Business, chapter 2.

**Optional:  Review of SQL**

This course assumes that you have a solid understanding of SQL from either your work experience or CUNY's SQL Bridge workshop .  If you need a refresher, you may find want to read a book like The Language of SQL.

You may find this additional information from Software Carpentry on “Databases and SQL” helpful, especially if you are relatively new to SQL:

<http://swcarpentry.github.io/sql-novice-survey/index.html>

Software Carpentry has also put together eight short open source videos on using databases (using SQLite, which is similar to MySQL).  Consider watching all of their database videos in order, found in this YouTube playlist:

<https://www.youtube.com/playlist?list=PL3416DE5D2419D0D1>

And you may find helpful this SQL "cheat sheet:"

<http://www.sql-tutorial.net/sql-cheat-sheet.pdf>

For students who want a more in-depth grounding on SQL, I'd recommend Stanford's (free) short course here:

<https://lagunita.stanford.edu/courses/DB/SQL/SelfPaced/about>

The Stanford course's [software guide](https://lagunita.stanford.edu/courses/DB/SQL/SelfPaced/a9ce7e86f39c4f8aa833215e22c02e20/) provides some additional guidance on installing MySQL, PostgreSQL, and SQLite on Macs and PCs.