

**Summer 2017 - W205 – Storing and Retrieving Data**  
**Week 2 Live Class Session Agenda**  
**Kevin R. Crook**

- Review the schedule
  - For next week, please note we are covering “Unit 7 – Querying Data” out of order to give students some exposure to SQL and ERDs earlier so they will be prepared for Exercise 1 which is coming up.
- Connectivity Issues
  - Overseas with a slow and/or unreliable network connection?  
And/or Blocked Ports?
    - Consider getting a US cloud based desktop and connect to it from your computer using remote desktop
    - If you have a US based PC, consider using it with a remote desktop product such as gotomypc.com (especially helpful if they are blocking you at work, coffee shop, etc.)
- Slack.com
  - Was everyone able to sign up, join the channels for W205 and for this section, and send me a private message?
  - Best way to contact me is on slack.com
  - Please remember to put technical questions in the W205 channel so everyone can benefit
- GitHub.com
  - Videos are now on KevinCrook.com
  - Was everyone able to get create an account and add the educational / academic discount?
  - This next week, please try to do the following:
    - Create a GitHub repo called “w205\_2017\_summer” as spelled out in the instructions on KevinCrook.com
    - Time permitting we may go through some of this at the end of class
- Tableau
  - Students will need an academic version of Tableau in a few weeks. It would be best to get it now so it’s ready to go when you need it.
  - Don’t get the 14 day free trial – get the academic version.

- Amazon Web Services (AWS)
  - Was everyone able to sign up for AWS and get any restrictions lifted? Academic \$100 credit added to their account?
  - **Reminder:** For this course you will need to use the Berkeley AMI's in AWS to complete the assignments. Everything is required to run against these and not your own installation. If you want to install software locally, it's a great learning experience, but you must install and configure it on your own, we cannot support it. I cannot spend class time nor office hour time debugging your configuration for you.
  
- Windows users
  - Was everyone able to get PuTTY downloaded and working?
  - Was everyone able to get keys converted into PuTTY format?
  
- Mac users
  - Was everyone able to get Terminal or similar working?
  - Able to understand permissions on the key file and how to set them?
  
- Berkeley Library
  - Reminder: O'Reilly books and other books are available at the Berkeley library free in electronic format.
  
- **Reminder:**

Things you will need to come up to speed quickly for success in this class. All are required for Exercise 1, so please be sure you come up to speed in time to complete Exercise 1.

  - Python Programming (should have had the Python class or equivalent)
  - Amazon Web Services
  - Linux Command Line
  - Bash Shell Programming
  - Data Modeling using Entity-Relationship Diagrams (ERDs) in Third Normal Form (3NF)
  - SQL
  
- **Reminder:**

Asynchronous

  - Videos – please watch these before class – less than half the class watched them this past week – yes, I can tell who is watching them

- Break Out Exercise
  - An non-profit area where Data Science can make the world a better place
  - Give an example of an old school company, can be Fortune 500, that has been around for at least 30 years, that has become a Data-Driven Organization
  
- Lab 1 – questions?
  
- Lab 2 – go over (time permitting)
  
- GitHub – go over (time permitting)