# **MSDS 420**

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## **Agenda**

- 1. VPN to Connect to Northwestern Network
- DSCC PostgreSQL Server
- 3. Assignment #3 Walkthrough and Deliverable

## **Helpdesk Support Info**

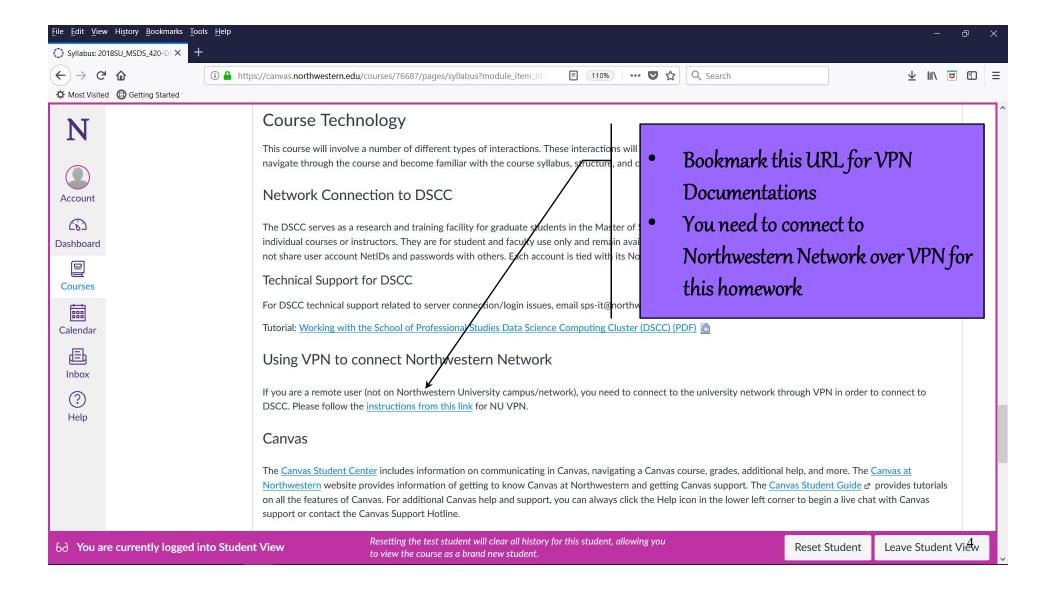
### Northwestern IT Helpdesk:

For VPN help call this number: 847-491-4357

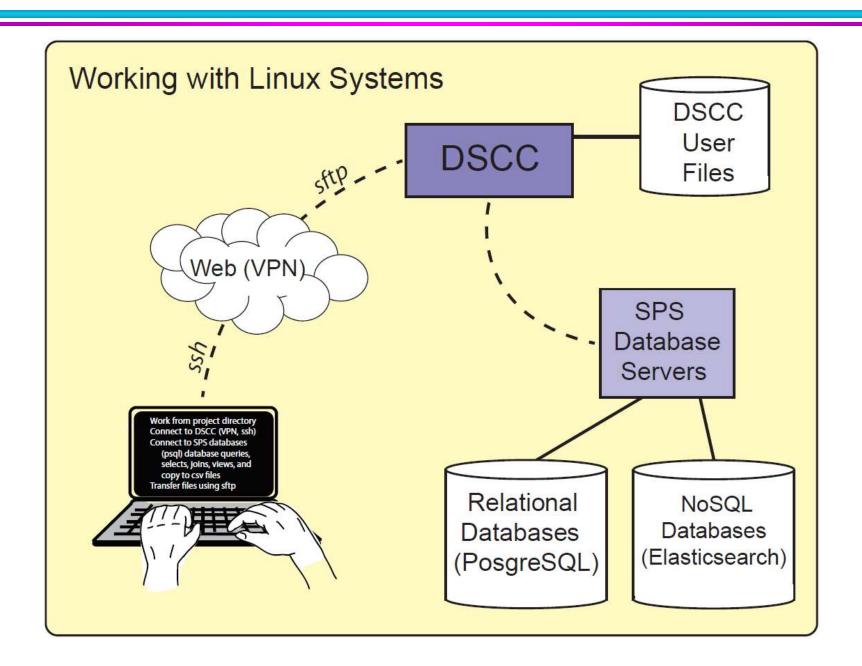
### 2. SPS IT Helpdesk:

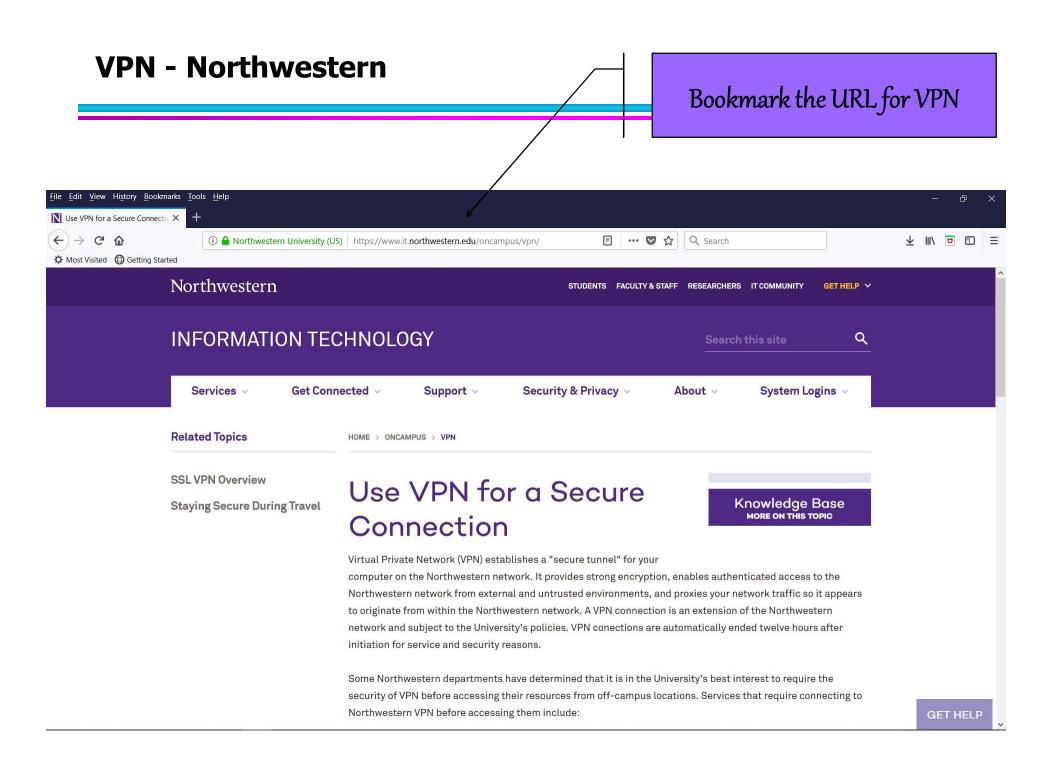
For **DSCC** help call this number: 312-503-3333

### **VPN - Northwestern**

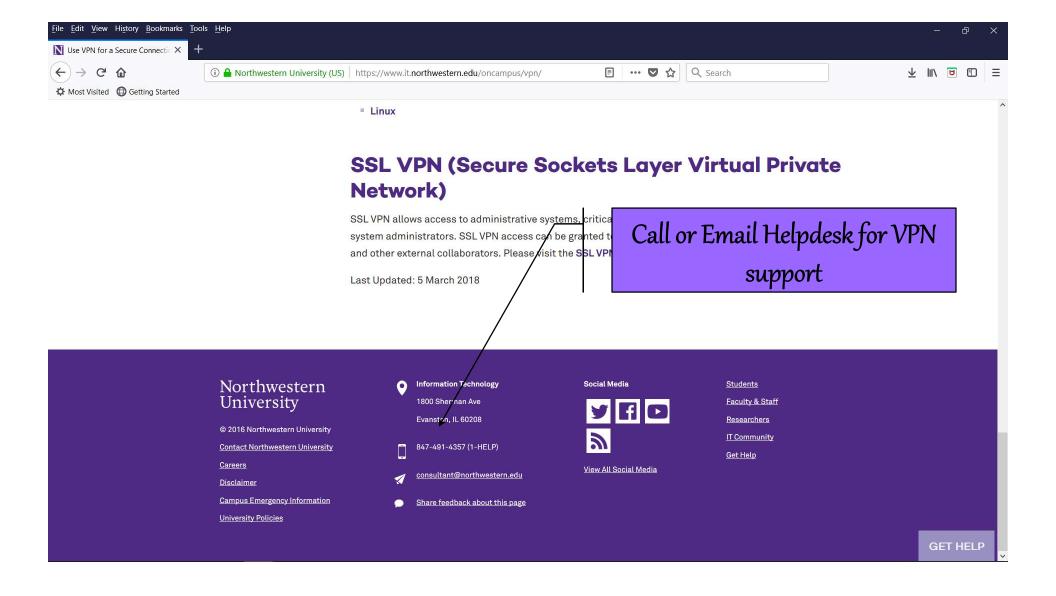


### **Network elements/systems you need to know for Assignment #3?**





#### **VPN - Northwestern**



### **DSCC - Helpdesk**

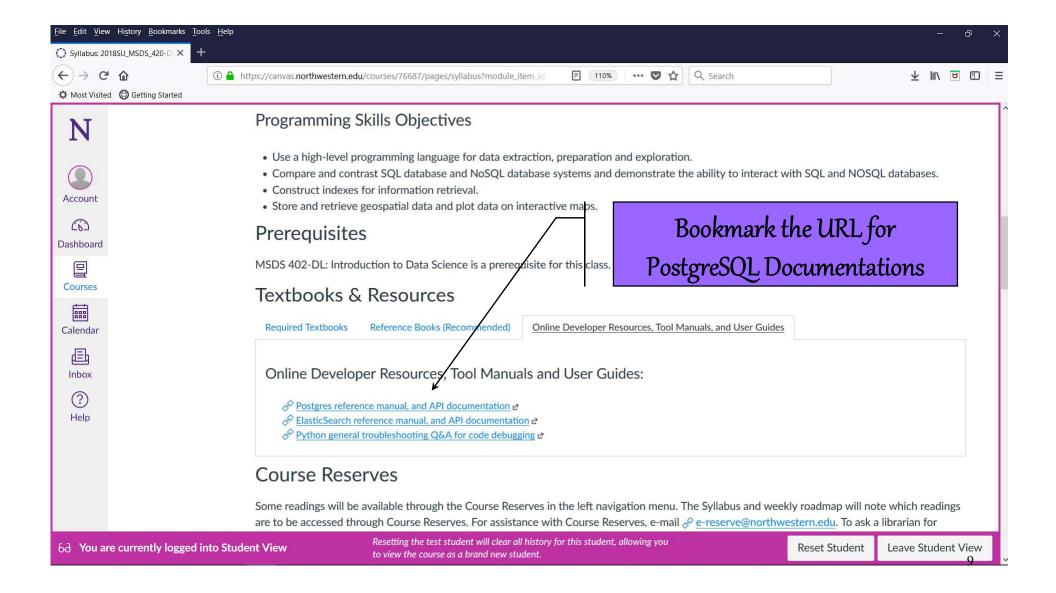
#### Network Connection to DSCC

- After you establish VPN connection to Northwestern Network, use your NetID and Password to connect to DSCC server
- The DSCC serves as a research and training facility for graduate students in the Master of Science in Data Science program. User accounts are not associated with individual courses or instructors. They are for student and faculty use only and remain available as long as users maintain valid Northwestern NetIDs. Users should not share user account NetIDs and passwords with others. Each account is tied with its Northwestern University network identity.

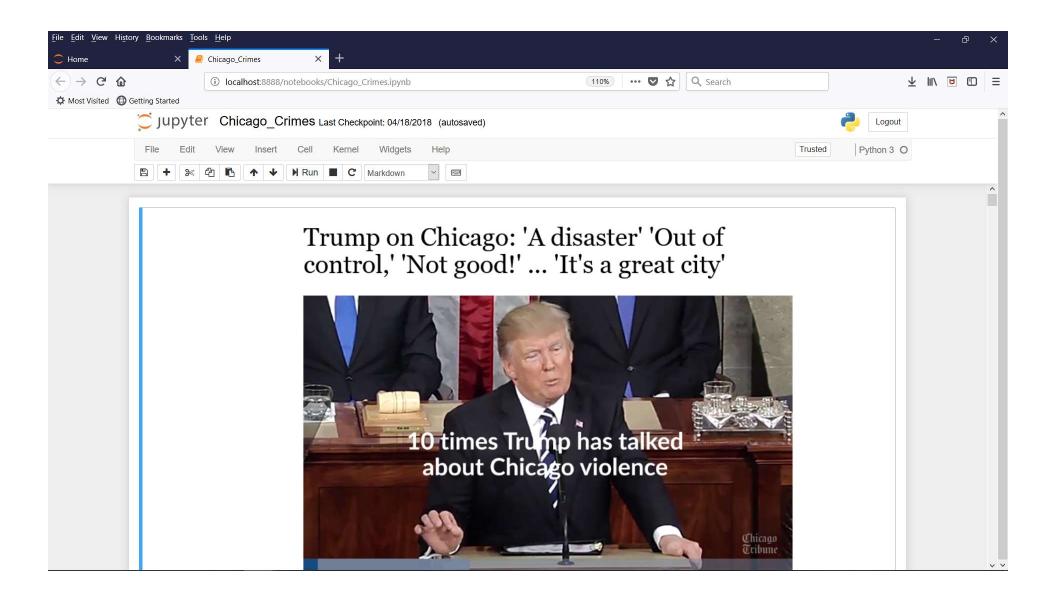
#### Technical Support for DSCC:

For DSCC technical support related to server connection/login issues, email or call: sps-it@northwestern.edu and phone number 312-503-3333

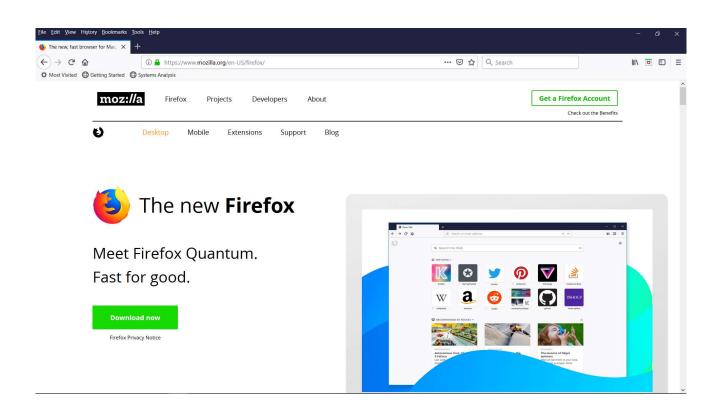
### **PostgreSQL Documentations**



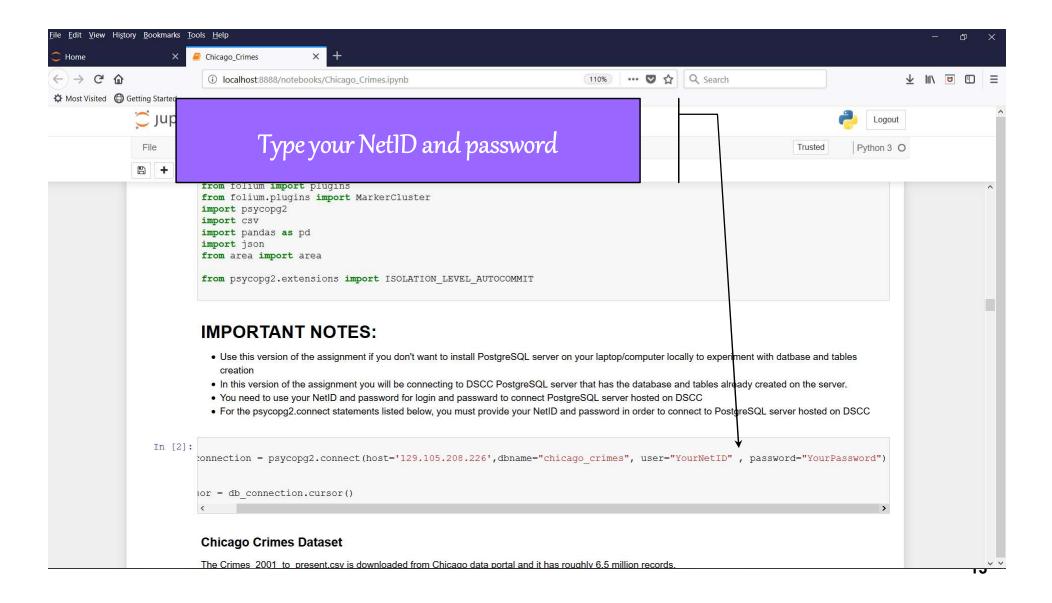
## **Assignment #3**

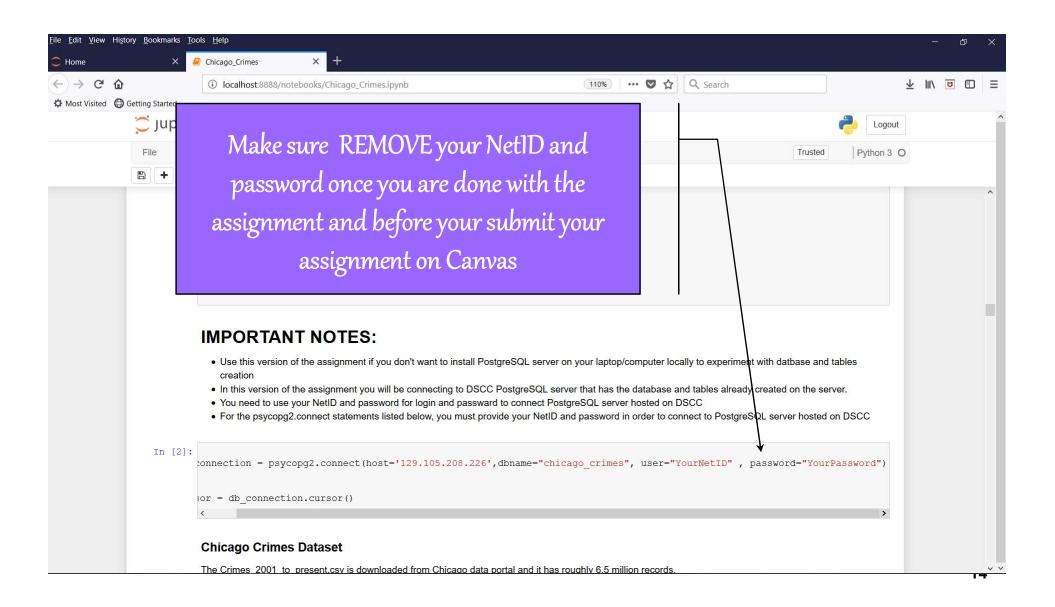


 Use Firefox browser for this assignment; other browsers might not work as expected for interactive Folium maps



- You need to be aware of the following:
  - 1. You need to update the script to connect to DSCC using your NetID and password
  - 2. This is a big assignment and will require at least 10 quality hours in order to be intimate with its technical content and provide answers for its deliverables
  - 3. Query #5 and #6 will take roughly 35 minutes to complete; be patient you have a big dataset with geospatial queries that are very demanding for CPU





### **Assignment #3 - Deliverables**

- Submit the 2 documents listed below on Canvas:
  - 1. Submit on Canvas your ipynb script for Assignment #3 that has the source code and output
  - 2. Submit on Canvas the PDF document for your ipynb script for Assignment #3 that has the source code and output as a single PDF document