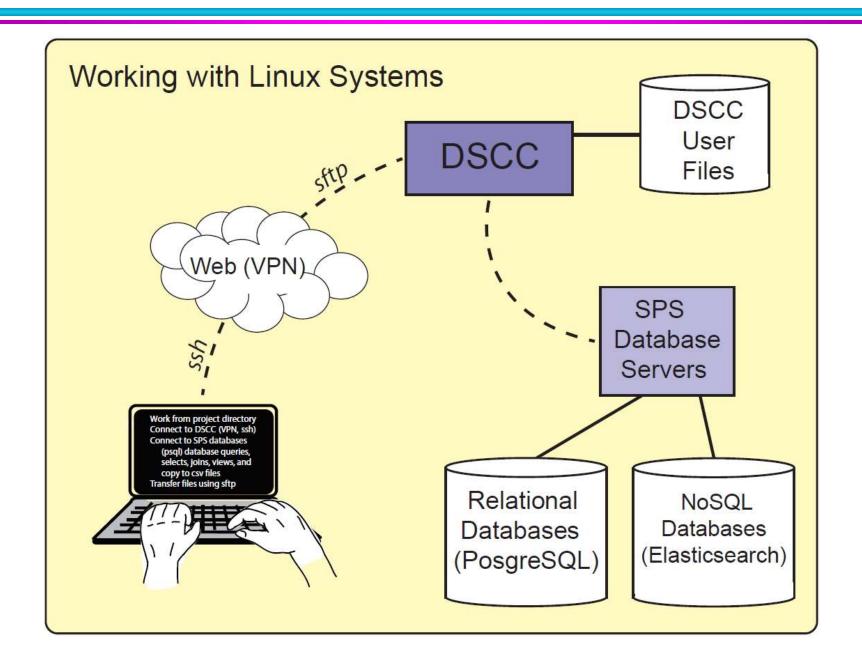
MSDS 420

Atef Bader, PhD

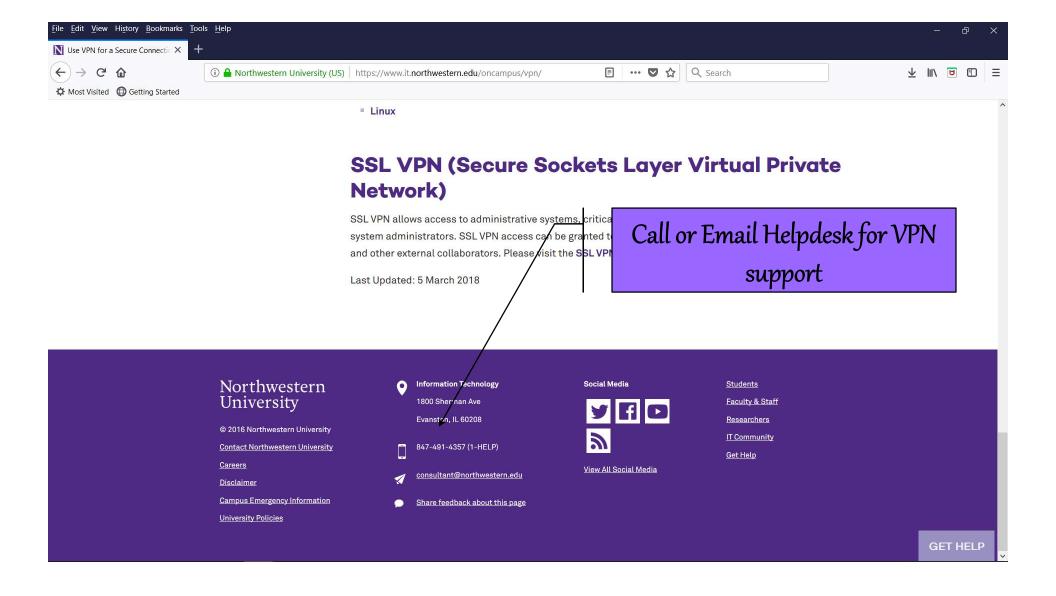
Agenda

- Assignment #4 Walkthrough and Deliverable
- Bonus Assignment #1 Walkthrough and Deliverable

Network elements/systems you need to know for Assignment #4?



VPN - Northwestern



DSCC - Helpdesk

Network Connection to DSCC

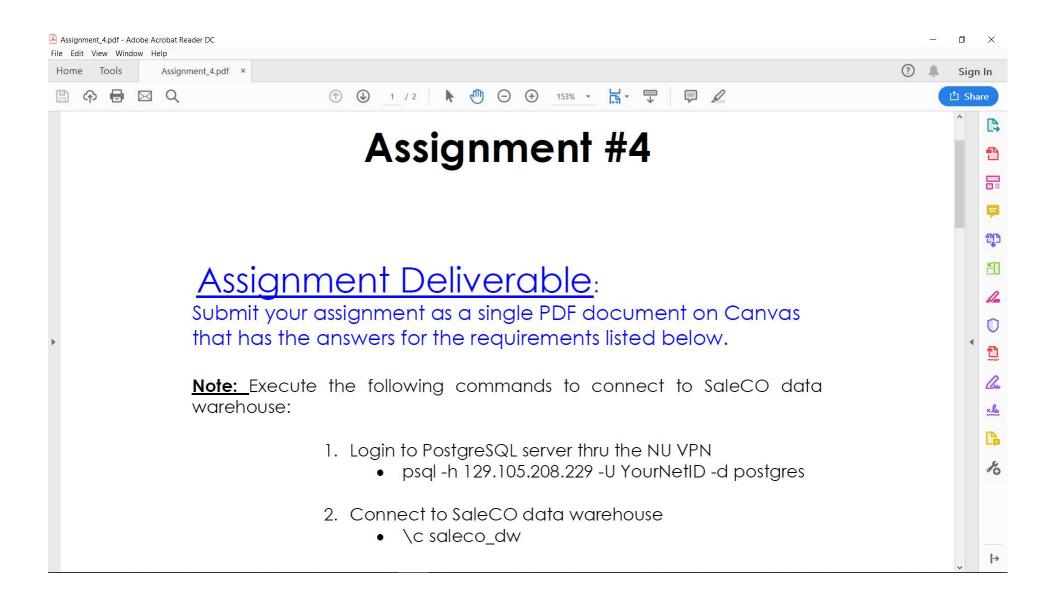
- After you establish VPN connection to Northwestern Network, use your NetID and Password to connect to DSCC server
- The DSCC serves as a research and training facility for graduate students in the Master of Science in Data Science program. User accounts are not associated with individual courses or 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

support

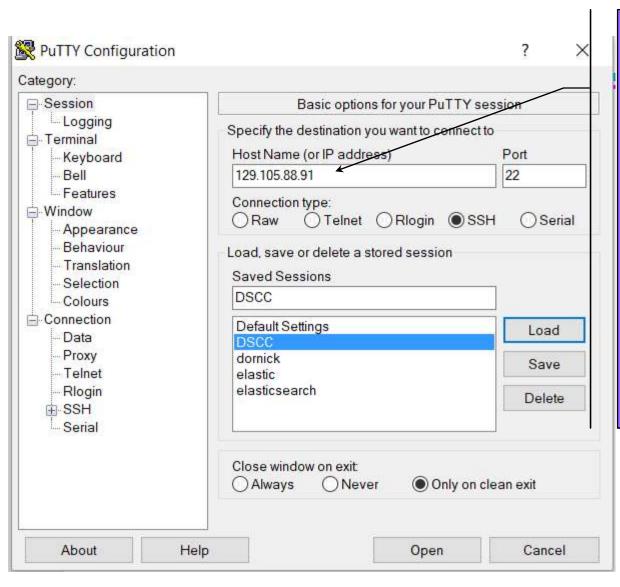
Assignment #4



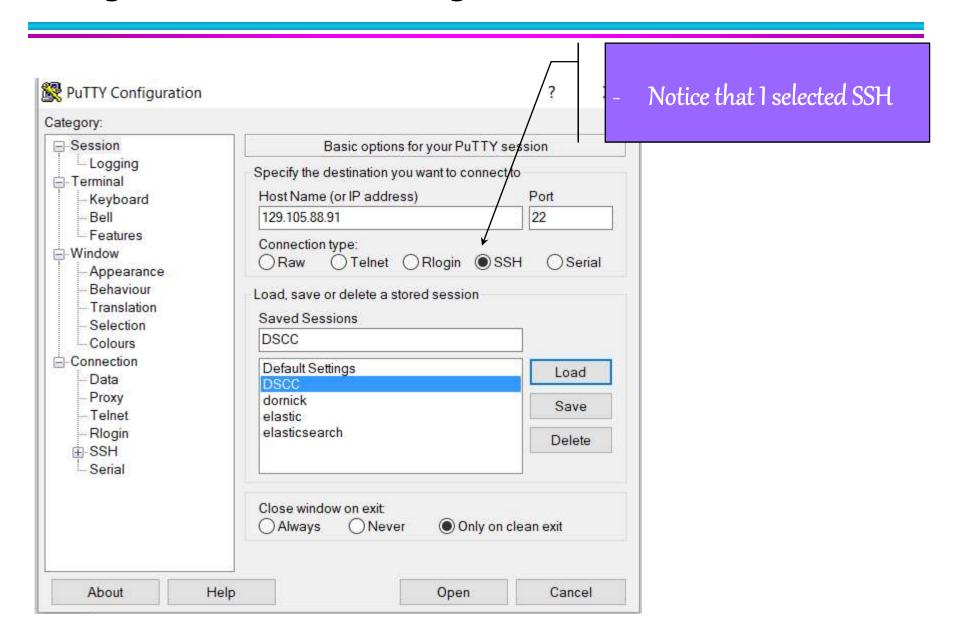
- You need to the following:
 - 1. Use NU VPN to connect to DSCC server
 - 2. Connect to PosgreSQL server
 - 3. Connect to Saleco_dw database
 - 4. Study and the tables (Fact and Dimensions) that are in this database and see how they are correlated to each other
 - 5. Execute SQL statements and produce output for the different requirements listed in the assignment document

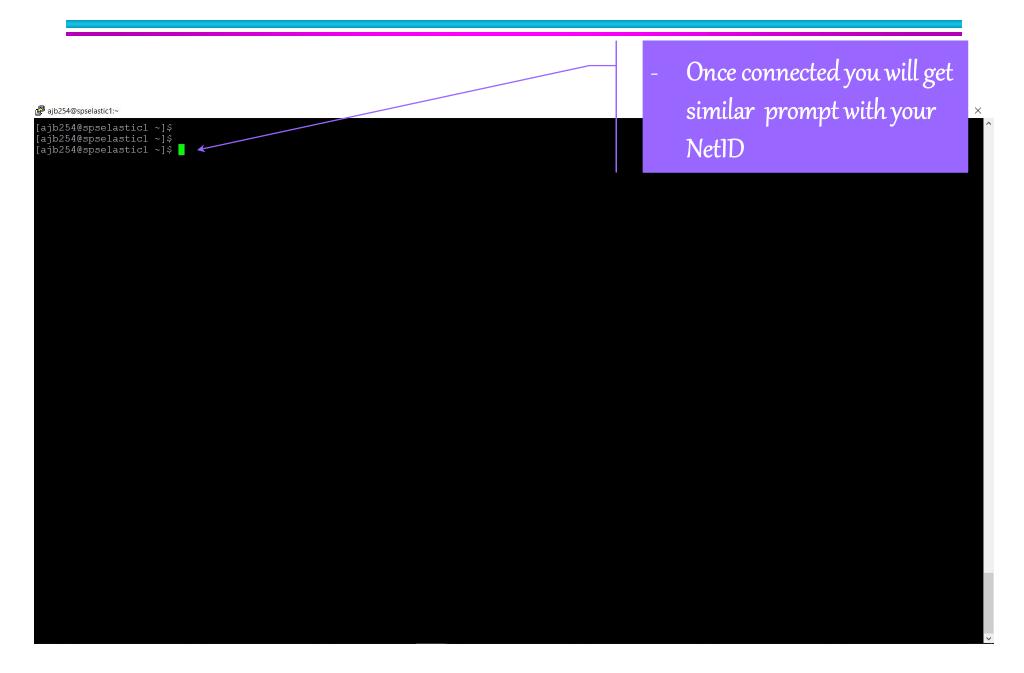
Assignment #4 vs Assignment #3

- Assignment #4 is **Similar** to Assignment #3 in that it uses a database hosted on PostgreSQL
- Assignment #4 is **different** from Assignment #3 in that you will execute your SQL statements from PosgreSQL shell after you login to the server on DSCC

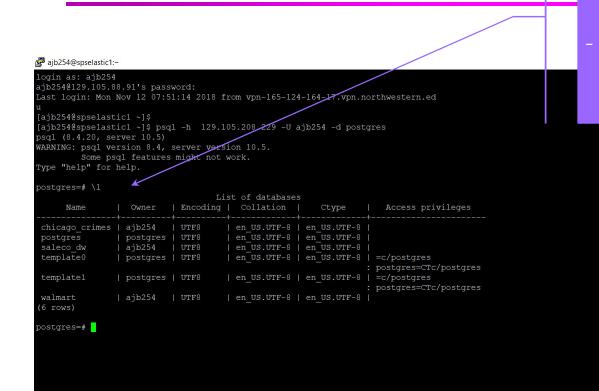


- Connect to DSCC Server
- Make a note of the IP address
- Use your NetID and password to connect to DSCC server
- I use PuTTY tool (SSH) to connect over NU VPN to DSCC server; you could use your favorite SSH tool

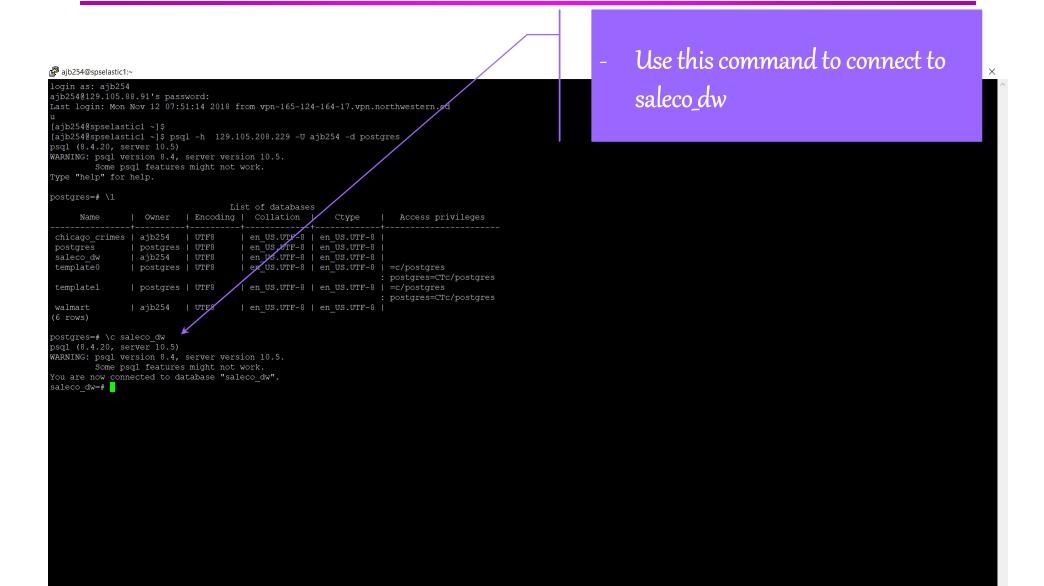


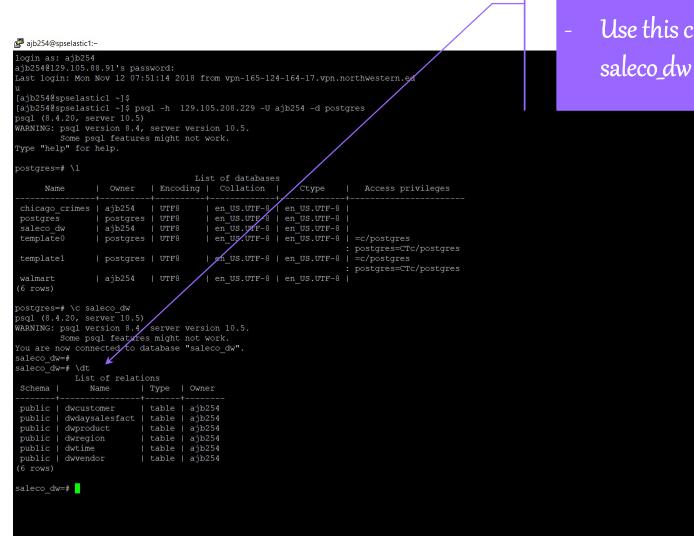




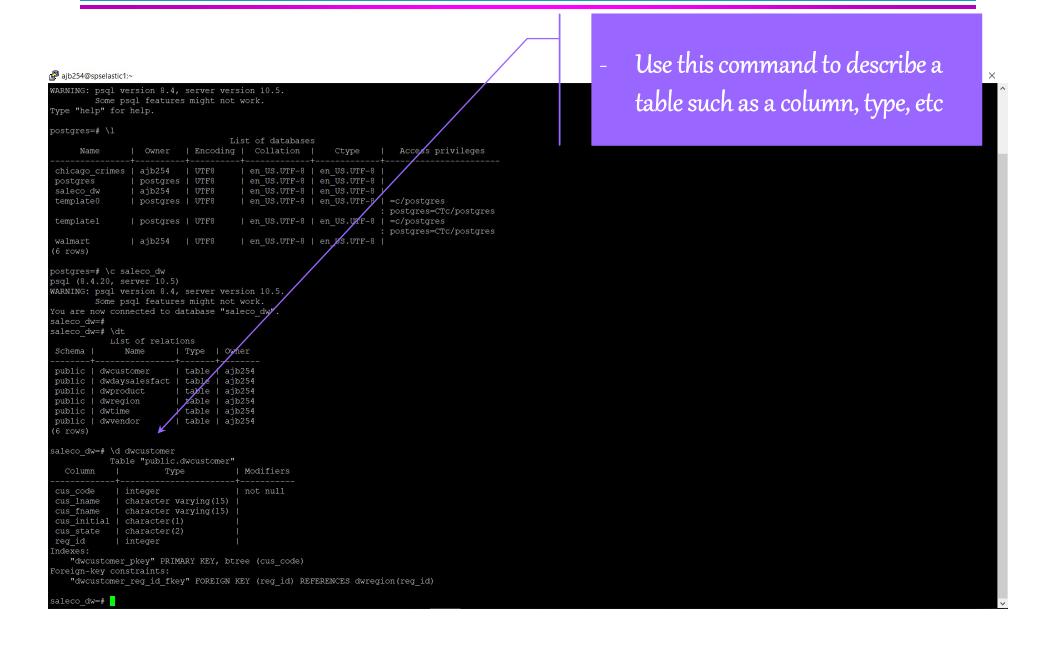


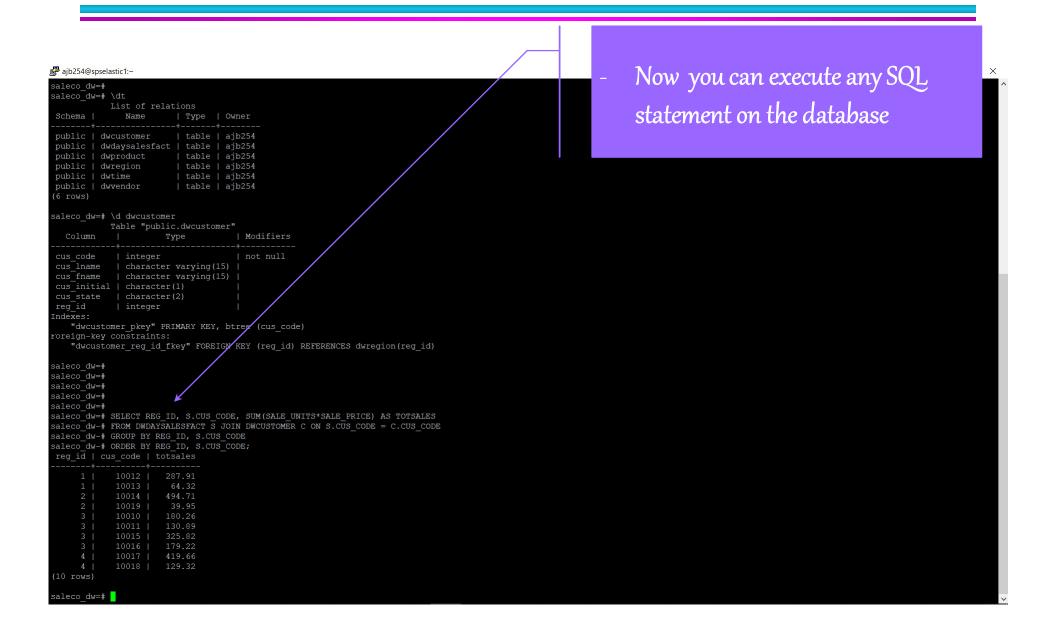
Use this command to see available databases on the server

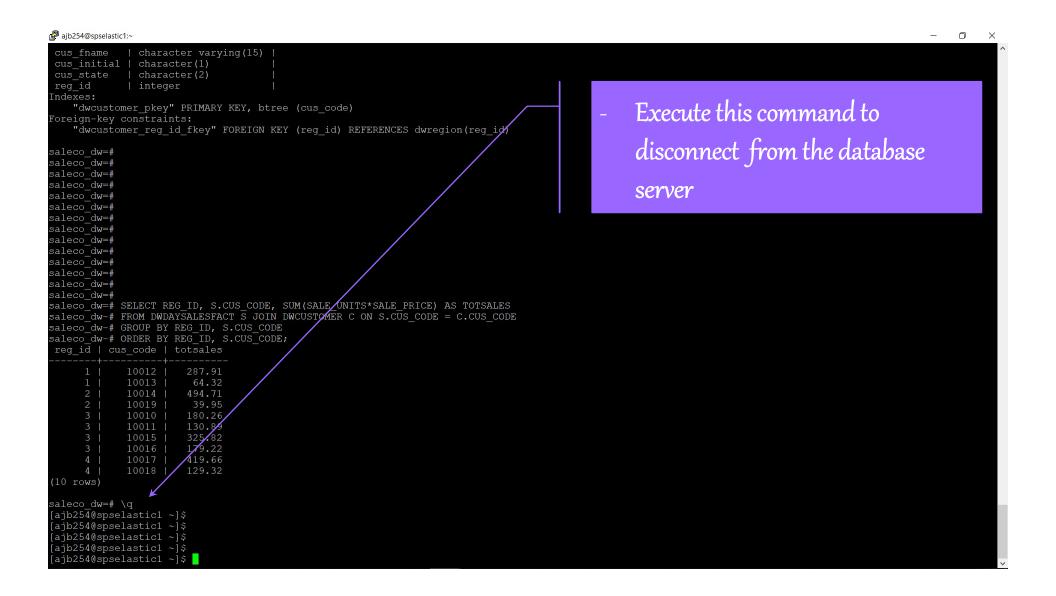




Use this command to see tables in saleco dw







Assignment #4 - Deliverables

- Submit your Assignment as a single PDF document
- There are 7 requirements in the assignment
- Capture the screen-shot of ever SQL statement and its output and paste it below every requirement
- You can use your favorite editor (MS-WORD/Text document) to save your work and then generate your PDF document for the word document