Lab Notebook

**07/07**

**Syriac**

Meeting with Prof. Michael Penn

—Working on averaging different scribes of a particular script letter from the same manuscript

—Method 1: giving a certain level of opacity to the scribes, and laying them on top of each other to determine the variance based on the blurriness of the averaged result

—Method 2: clustering all the scribes around a center one (the center one and surrounding ones can be switched)

**07/10**

**Syriac**

Create tunnel on terminal to be able to use the data from the manuscript database

Type the lines below in terminal to start the tunnel

—ssh -L 9999:localhost:3306 [research@162.243.164.227](mailto:research@162.243.164.227) (password:research2017)

—mysql -ureader -p -P 9999 -h 127.0.0.1 (password: pennsyriac)

Download Sublime Text 3

Jordan helped: Find the storing place of script letter database by reading the Java script behind an interface built by Nick’s student (<http://162.243.164.227/chart>)

Wait for Prof. Nick to tell where did his student find the database for multiple examples per script

**07/10**

**MC2**

Read the 2016 VAST paper to understand the big picture of the streaming data challenge

**07/11**

**MC2**

Download 2017 Vast Mini Challenge 2 Data

Thought about approaches to answer MC2-Q1 (possible ways for abnormality to occur)

**07/12**

**MC2**

Wrote R scripts to sum up reading scores by each monitor on each date.time for each chemical

Wrote R scripts to separate Data.Time column in “month,” “day,” “year, “ and “date

Findings:

1) Monitor 3 has the abnormally high reading among the 3 months, April, August & November

2) Highest reading comes from 6am, then 4am, then 1pm on each day in the 3 months

3) Highest reading comes from the 2nd, then 13th, then 15th of each month

4) The total reaching score among the 3 months are almost the same