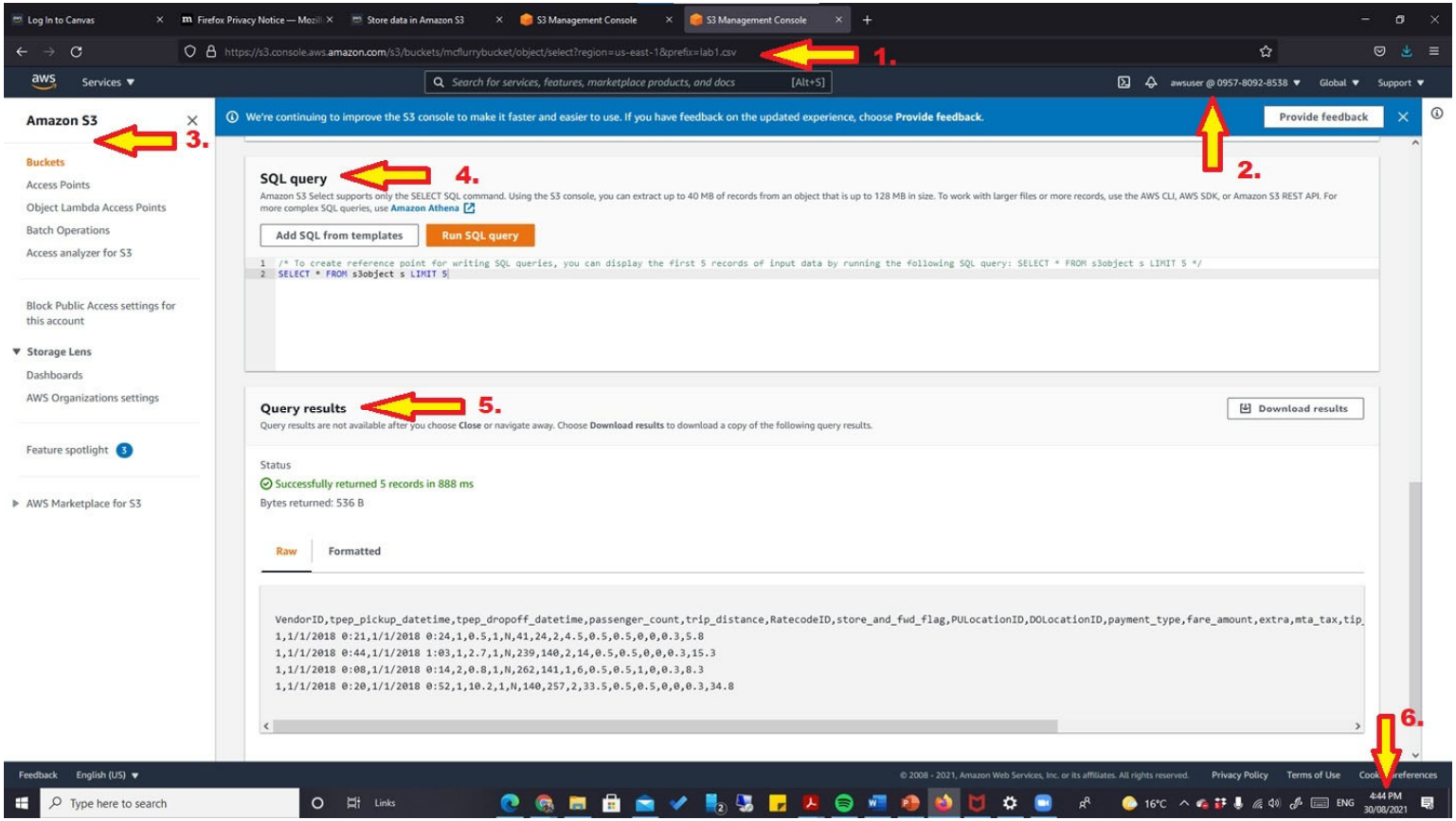
Assessment Requirements:

You are given time **until Friday 11:30pm** to complete Lab 6, Lab 7 and Lab 8 on **AWS Academy Data Analytics platform** **independently** without assistance from other people including your Lab Tutor and classmates:

Create a new word document called **Lab_6+7+8_YourName_YourID.docx** where YourName is your real name and YourID is your VU Student ID.

Follow the instructions, capture FULL query result screens which must contain six elements: (1) URL (2) User Identifier (3) Resources (4) Query (5) Query results (6)

Taskbar date and time as shown below and label each screen with its corresponding lab number and step or question number **underneath**.



Lab 1 Step 43 query results

Late Submission Penalty

- 1-3 days – 30% each day
- After 3 days – **0** (**zero**) mark

Deduction

- Missing Cover Sheet or Wrong file name – 10%
- Combined cover sheet file with Lab Assessment file – 10%
- Missing figure numbers/captions – 10%
- Captured screens without 6 elements – up to 50 %
- Missing "Complete All items" – up to 100%

Step 69*. Under Component Name, locate **RedshiftLoadActivity** and use the arrow symbol to view the activity details..

Step 80. Choose the three dots next to the *jan* table and choose Preview data.

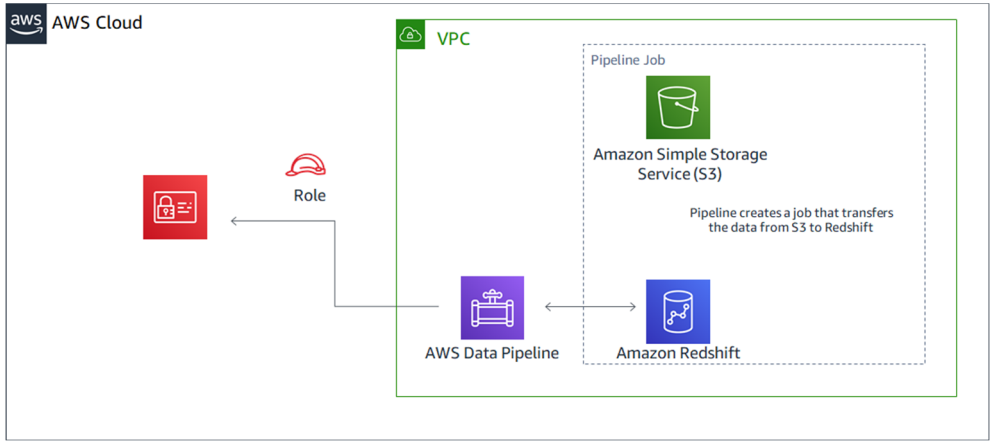
After the query runs, you see the first 10 rows for the January data. You might need to scroll down to see all the data.

Lab 06 Challenge question

Your manager is pleased that you automated the process of loading data to Amazon Redshift. He would now like you to do two additional tasks:

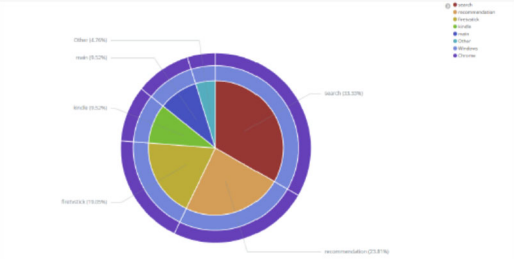
- Create a pipeline that will load a second month of data.
- Determine the most common pickup locations for each of the two months

* FULL screes must include two elements: (1) user identifier (6) taskbar date and time

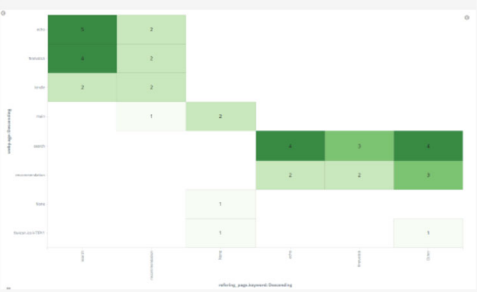


Lab 6 Architecture

Step 54. You see a pie chart similar to the following image:



Step 70. To apply the changes, choose the blue arrow. You will see a heat map that shows the number of webpage views and the number of referrals to those pages from the webpages.



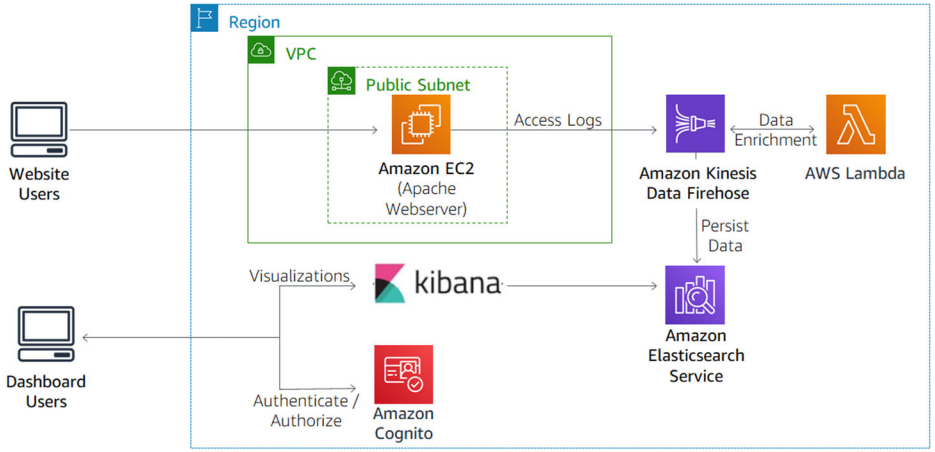
Lab 07*

Challenge one

Create a line visualization that shows the number of page views for the webpages.

Challenge two

Create a bar chart visualization that shows the number of page views for the webpages.



Lab 7 Architecture

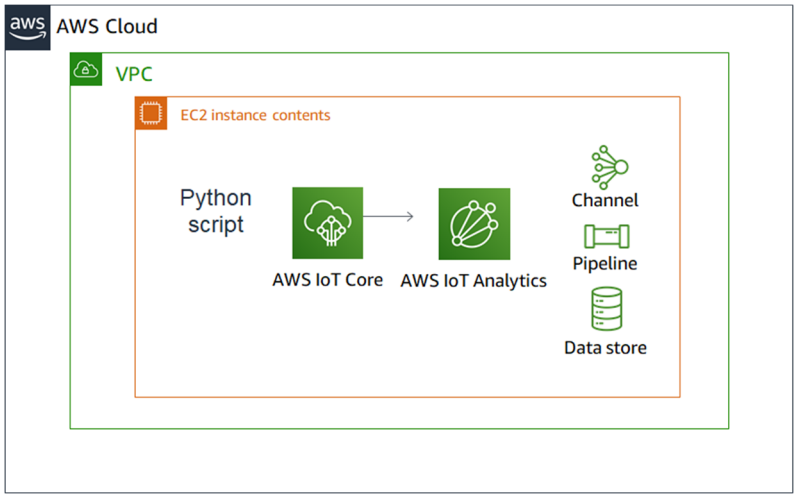
Lab 08*

Step 125. To view the results from creating the dataset, choose **Content**. You will see the **Result preview**, which is the average maximum temperature in the dataset. The value will be ***8.429***

Challenge question

For this challenge, create a dataset to find the average temperature for a specific location.

* FULL screes must include one element: (6) taskbar date and time



Lab 8 Architecture

Upon completion, check AWS Academy Data Analytics if "Complete All items" are ticked:

There is a deduction for missing "Complete All items"

and then upload the following **two files** via dropbox on VU Collaborate:

- **CoES Assignment Cover Sheet** and
- **Lab_6+7+8_YourName_YourID.docx**