Milestone 3 – Group 16

Sqlplus Connect String:

sqlplus ‘cis550\_TA@(DESCRIPTION=(ADDRESS=(PROTOCOL=TCP)(HOST=cis550project.cgajnbzkqq1i.us-west-2.rds.amazonaws.com)(PORT=1521))(CONNECT\_DATA=(SID=PENNDB)))';

Guest Password:

cis550\_TA

Schema:

alter session set current\_schema=CIS550PROJECT;

Queries:

# Question1 Total Local Cases

Select Count(\*) as Total Local Cases

From Cases C

Where CaseType = "US0002"

# Total Travel Cases

Select Count(\*) as Total Travel Cases

From Cases C

Where CaseType = "US0001"

# Answer Question 2 (Can be broken up by State)

Select StateCode, Predict

From Predict

Where StateCode = "X"

# Answer Question 3 - I want to go to State X, is Zika there?

Select StateCode = "X", Count(\*) as Total Cases

From Cases

Where Cases > 0

Group by StateCode

# Answer Question 4 - what is the rate (average cases overall) of Zika spread in State X from travel?

Select AVG(Case)

From Cases C

Where StateCode = "X" AND CaseType = "US0001"

# Which month has the highest rate of Zika travel cases from State X?

WITH Rate AS (

SELECT StateCode, Month, AVG(Cases) as Rate\_per\_month

FROM Cases C

WHERE CaseType = "US0001"

GROUP BY StateCode, Month

)

Select R.StateCode, R.Month

From Rate R

Where Rate\_per\_month = (Select MAX(R1.Rate\_per\_Month), FROM Rate R1) AND

R.StateCode = "X"

# Which month has the highest rate of Zika local cases from State X?

WITH Rate AS (

SELECT StateCode, Month, AVG(Cases) as Rate\_per\_month

FROM Cases C

WHERE CaseType = "US0002"

GROUP BY StateCode, Month

Select R.StateCode, R.Month

From Rate R

Where Rate\_per\_month = (Select MAX(R1.Rate\_per\_Month), FROM Rate R1) AND

R.StateCode = "X"

# Which State has the max number of cases?

Select StateCode

From Cases

Where Case = (Select MAX(C1.Case)

From Cases C1)

# Which state has the greatest increase in predicted versus current cases?

WITH Diff AS (

SELECT C.StateCode, C.Case, P.Predict, P.Predict - C.Case AS Difference

FROM Cases C

INNER JOIN Predict P

ON P.StateCode = C.StateCode

)

SELECT D.StateCode

FROM Diff D

WHERE Difference = (SELECT MAX(D1.Difference)

FROM Diff D1)

#% Total Cases by State and by CaseType (Travel ("US0001") or Local ("US0002"))

Select StateCode, Count(\*)

From Cases C

Where CaseType = "US0001" AND StateCode = "AZ"

Group by Statecode