

**Requirement:**

The purpose of this final project is to provide a setting in which you can exercise your R Skills to produce analysis of real time data. The analysis will include accessing historical, contextual, or reference data to provide a point of comparison for your analysis.

**Deliverables for this project Submit the URL for your github repository containing:**

1. Documentation showing what you have done and explaining how and why. Deliver this document as code and as the formatted output file that your code produces – PDF or HTML.
2. A shiny application that provides a user experience with the data you have collected. The real time data should have been collected and stored as a file that is loaded at run time so the user does not experience a data collection delay. You may want to use a limited amount of real-time data collection in your application – perhaps as an illustration. Submit both the code for the shiny application and the shinyapps.io URL where you published your application.

**Due Date:**

## Assignment Project Exam Help

May 4, 2018: Submit two URLs for github and shinyapps.io.

**PART1:**

Topic: NYC Taxi Trips Trend Analysis (2009-2017)

Datalink: [http://www.nyc.gov/html/tlc/html/about/trip\\_record\\_data.shtml](http://www.nyc.gov/html/tlc/html/about/trip_record_data.shtml)

**Tasks:**

1. Plot the trip length changes of yellow and green taxi by year (time series), and use plot and F test to find out is there any correlation between the trip length of yellow and green taxi.
2. Plot the trip length changes of yellow taxi in Airports since 2009 to 2017(time series); plot the trip length changes of yellow taxi in Manhattan since 2009 to 2017(time series). Put the plots of them into one plot, then find out if different areas get different influence.

**PART2:**

Topic: NYC weather (1989-2018)

**Tasks:**

1. Plot the annual temperature, snow and precipitation of last 30 years (time series)
2. Plot the temperature, snow and precipitation of the same month (Jan to Dec) from different years (for example: plot the temperature, snow and precipitation of January from 1989 to 2018).
3. Plot the highest temperatures of last 30 years, and the lowest temperatures of last 30 years, and conclude that if cold winters tend to follow hot summers?

Assignment Project Exam Help

<https://powcoder.com>

Add WeChat powcoder