

Developing Data Products Week 2 Assignment

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Instructions

Create a web page using R Markdown that features a map created with Leaflet.

Host your webpage on either GitHub Pages, RPubS, or NeoCities.

Your webpage must contain the date that you created the document, and it must contain a map created with Leaflet. We would love to see you show off your creativity!

Review criteria

The rubric contains the following two questions:

- Does the web page feature a date and is this date less than two months before the date that you're grading this assignment?
- Does the web page feature an interactive map that appears to have been created with Leaflet?

Submission

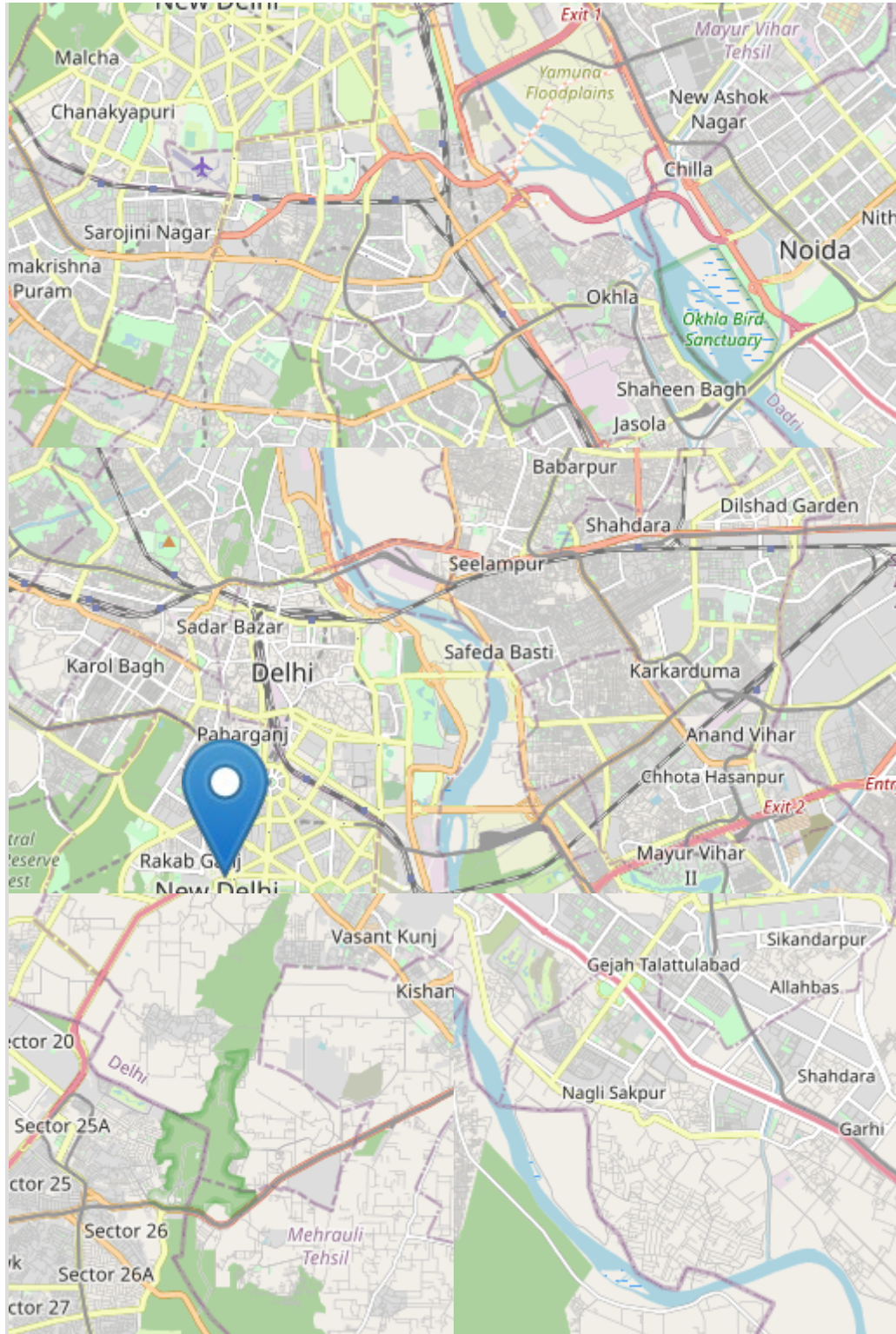
Here is the India Gate, Qutb Minar, Red Fort, Humayun's Tomb, Gurudwara Bangla Sahib, Akshardham some of the Visiting locations in Delhi, Capital of India

`-if(!require(leaflet)) install.packages("leaflet")`

```
library(knitr)
library(leaflet)
library(dplyr)
m <- leaflet() %>%
  addTiles() %>% # Add default OpenStreetMap map tiles
  addMarkers(lat=28.6129, lng=77.2295, popup="India Gate, Delhi") %>%
  addMarkers(lat=28.5244, lng=77.1855, popup="Qutb Minar, Delhi") %>%
  addMarkers(lat=28.6562, lng=77.2410, popup="Red Fort, Delhi") %>%
  addMarkers(lat=28.5933, lng=77.2507, popup="Humayun's Tomb, Delhi") %>%
  addMarkers(lat=28.6264, lng=77.2089, popup="Gurudwara Bangla Sahib,
Delhi") %>%
```

```
addMarkers(lat=28.6127,lng=77.2773, popup="Akshardham, Delhi") #>%  
#setView (lat=28.6129, lng=77.2295, zoom=16)
```

m # Print the map



Mapping Clusters

When you zoom in to each cluster, the cluster will separate until you see the individual Markers!!

```
df <- data.frame(lat=runif(500, min=28.65, max = 28.75 ),  
                 lng=runif(500, min=77.05, max = 77.15 ))  
  
## Warning in runif(500, min = 28.65, max = 28.75): '.Random.seed' is not  
an  
## integer vector but of type 'NULL', so ignored  
  
df %>%  
  leaflet() %>%  
  addTiles() %>%  
  addMarkers(clusterOptions = markerClusterOptions())
```

