Course 9 Developing Data Product Week 2 Assignment

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Introduction

This document shows an example of making web pages with interactive maps using R Markdown (http://rmarkdown.rstudio.com) and Leaflet (http://leafletjs.com/) together, corresponding to the assigment of the week 2, Developing Data Products course from Coursera (https://www.coursera.org/learn/data-products)

In this assignment an attempt is made to plot the location of the UNESCO World Heritage Sites in India. The source for the sites is https://en.wikipedia.org/wiki/List_of_World_Heritage_Sites_in_India

For each of the sites the latitude and longitude was searched in the web and stored in a CSV file

Read the sites and plotting on the map

The goal of your project is to predict the manner in which they did the exercise. This is the "classe" variable in the training set. You may use any of the other variables to predict with. You should create a report describing how you built your model, how you used cross validation, what you think the expected out of sample error is, and why you made the choices you did. You will also use your prediction model to predict 20 different test cases.

```
  ############## Load the required libraries #############
  suppressMessages(library(leaflet))

## Warning: package 'leaflet' was built under R version 3.4.4

  sites <- read.csv("india-place.txt",header = TRUE)

  mymap <- leaflet(data = sites) %>%
                   addTiles() %>%
                    addMarkers(lat = ~Latitude, lng = ~Longitude, popup =
~place,
```

```
                                 label = ~label,
                                 clusterOptions = markerClusterOptions())
mymap
```