

Chart A

Create a scatter plot, of the geographical distribution of the restaurants in Manhattan, adjusting for x-axis as latitude and y-axis longitude to fit the graph

```
nyc_inspec %>%  
  plot_ly(  
    x = ~latitude, y = ~longitude, type = "scatter", mode = "markers",  
    color = ~score, text= ~cuisine_description, alpha = 100)%>%  
  layout(  
    xaxis = list(  
      range=c(40.7,40.85)  
    ),  
    yaxis = list(  
      range=c(-74.02,-73.92)  
    )  
  )
```

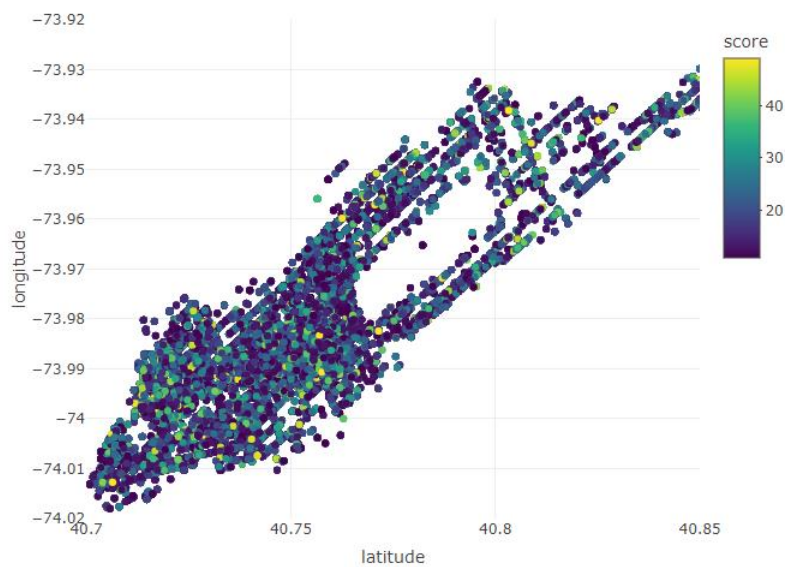


Chart B

Create a box plot counting scores of each types of cuisines according to their score distribution.

```
nyc_inspec %>%  
  mutate(cuisine_description = fct_reorder(cuisine_description, score)) %>%  
  plot_ly(y = ~score, color = ~cuisine_description, type = "box", colors = "viridis")%>%  
  layout(  
    yaxis = list(  
      range=c(0,60)  
    )  
  )
```

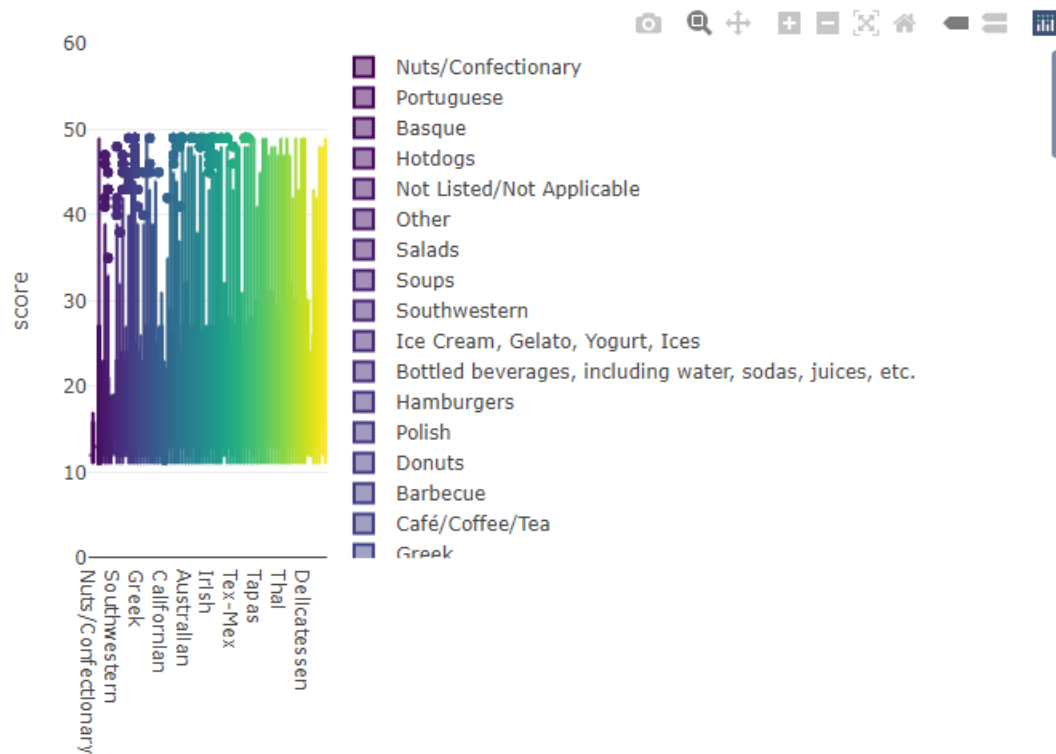


Chart C

Create a bar graph counting types of restaurants in Manhattan.

```
nyc_inspec %>%
  count(cuisine_description) %>%
  mutate(Type = fct_reorder(cuisine_description, n)) %>%
  plot_ly(x = ~Type, y = ~n, color = ~Type, type = "bar", colors = "viridis")
```

