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Say Hello to Highcharter



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# What is Highcharter?

- Highcharter is the R-wrapper for the Highcharts library in Javascript
- It produces highly customizable and versatile plots that can be altered in real-time by the viewer



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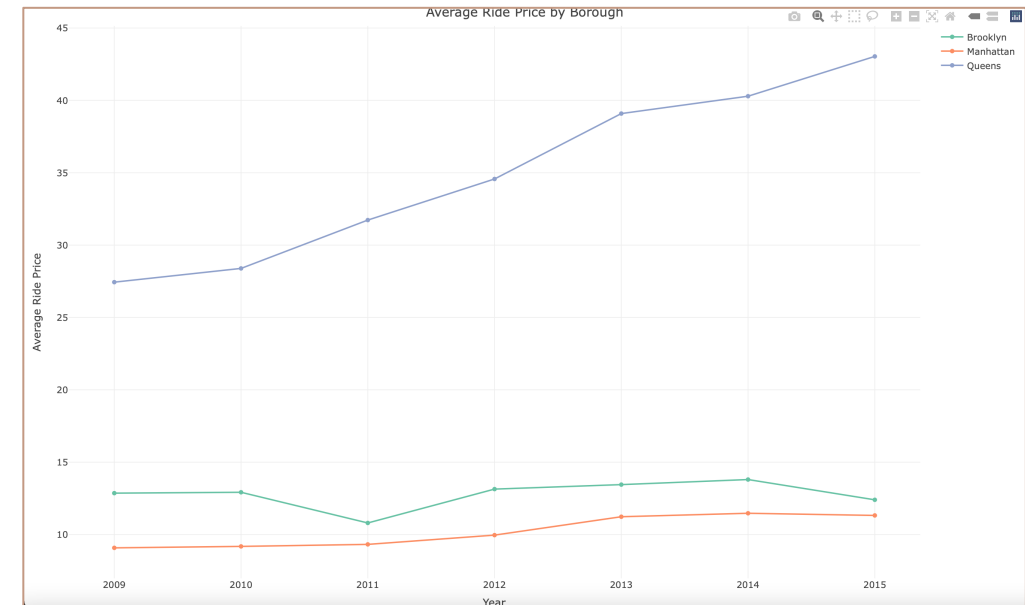
# Why use Highcharter over things like ggplot/matplotlib/seaborn/plotly

- Many of these libraries lack the interactivity that can help produce actionable insights for analysis
- Plotly is nice! But Highcharter has very easy implementation and valuable features that I will demo later on in this talk

# Highcharter vs Plotly (looks pretty similar, right?)

```
uber_bb %>%  
  hchart(type = 'line',  
         hcaes(x = 'year',  
               y = 'avg_fare',  
               group = 'borough')) %>%  
  hc_title(text = 'Average Ride Price by Borough') %>%  
  hc_xAxis(title = list(text = "Year")) %>%  
  hc_yAxis(title = list(text = "Average Ride Price")) %>%  
  hc_chart(zoomType = 'xy')
```

```
uber_bb %>%  
  plot_ly(x = ~year,  
          y = ~avg_fare,  
          type = 'scatter',  
          mode = 'lines + markers',  
          color = ~borough) %>%  
  layout(title = "Average Ride Price by Borough",  
         xaxis = list(title = "Year"),  
         yaxis = list(title = "Average Ride Price"))
```



# Highcharter vs Plotly vs ggplot2

```
uber_bb %>%  
  hchart(type = 'line',  
         hcaes(x = 'year',  
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  hc_title(text = 'Average Ride Price by Borough') %>%  
  hc_xAxis(title = list(text = "Year")) %>%  
  hc_yAxis(title = list(text = "Average Ride Price")) %>%  
  hc_chart(zoomType = 'xy')
```

Highcharter 😊

```
uber_bb %>%  
  plot_ly(x = ~year,  
          y = ~avg_fare,  
          type = 'scatter',  
          mode = 'lines + markers',  
          color = ~borough) %>%  
  layout(title = "Average Ride Price by Borough",  
         xaxis = list(title = "Year"),  
         yaxis = list(title = "Average Ride Price"))
```

Plotly 😊

```
uber_bb %>%  
  ggplot(aes(x = year,  
            y = avg_fare,  
            group = borough,  
            color = borough,  
            label = avg_fare),  
         legend = FALSE) +  
  geom_line() +  
  geom_point() +  
  geom_text(label = uber_bb$avg_fare,  
           nudge_x = 0.25, nudge_y = 0.25  
  ) +  
  labs(title = 'Average Ride Price by Borough',  
       x = 'Year',  
       y = 'Average Ride Price') +  
  theme(legend.title = element_blank(),  
        plot.title = element_text(hjust = 0.5))
```

ggplot2... 😐

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Live demo with NYC Uber data!