

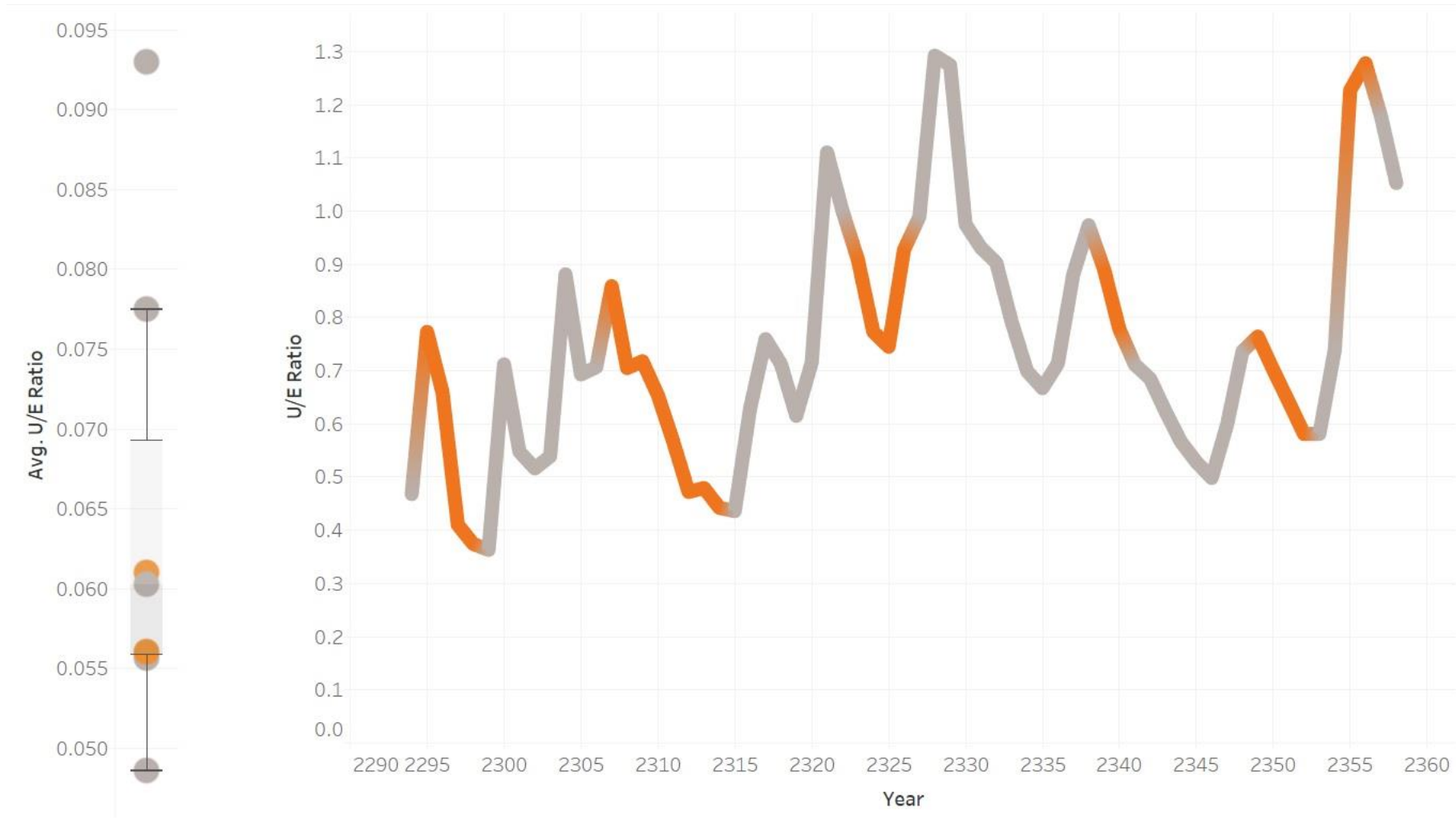
Klingons vs Romulans

Creating different perceptions of the same data

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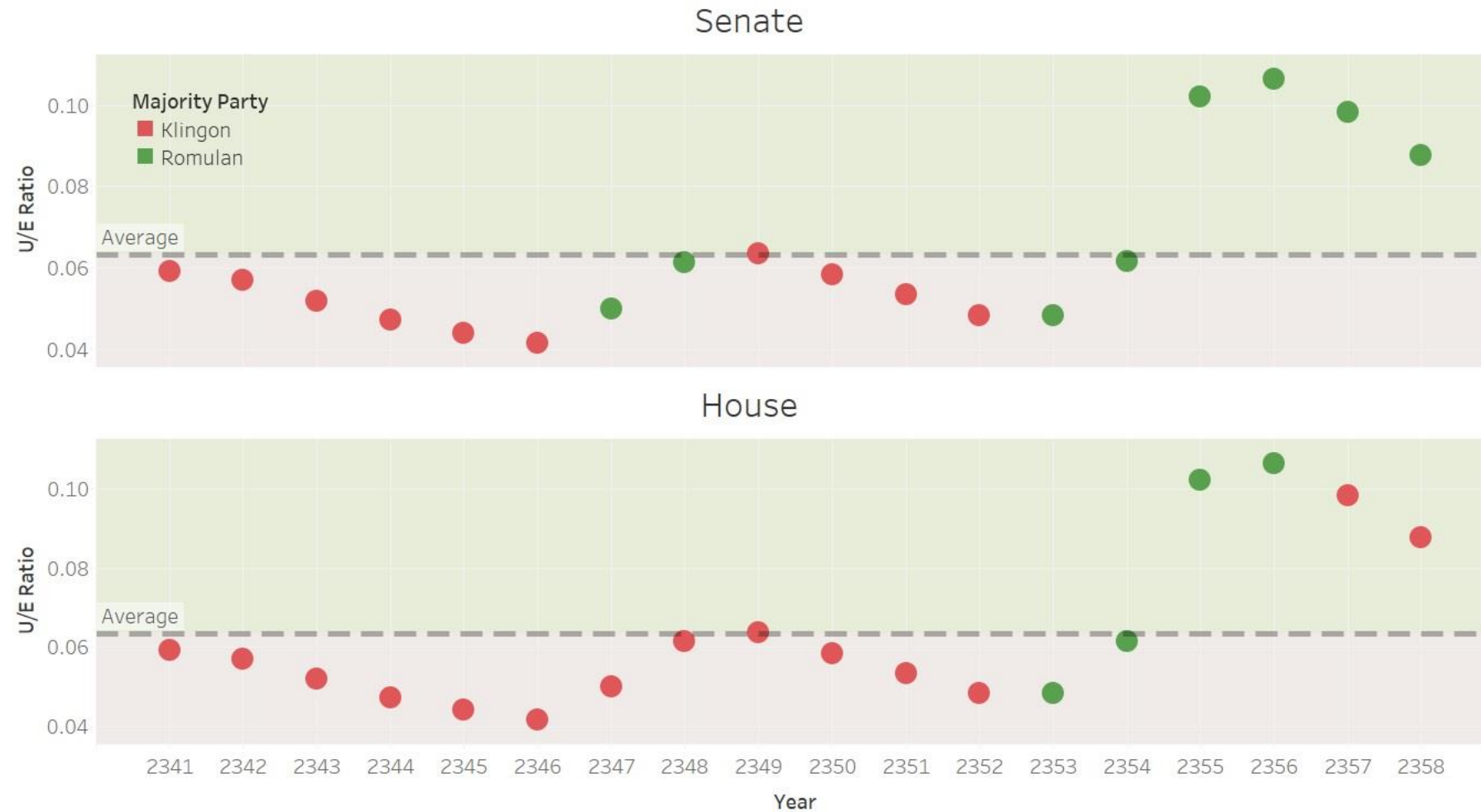
Fair Assessment of the Economy

How does the economy fare when all branches of the government are controlled by same party?



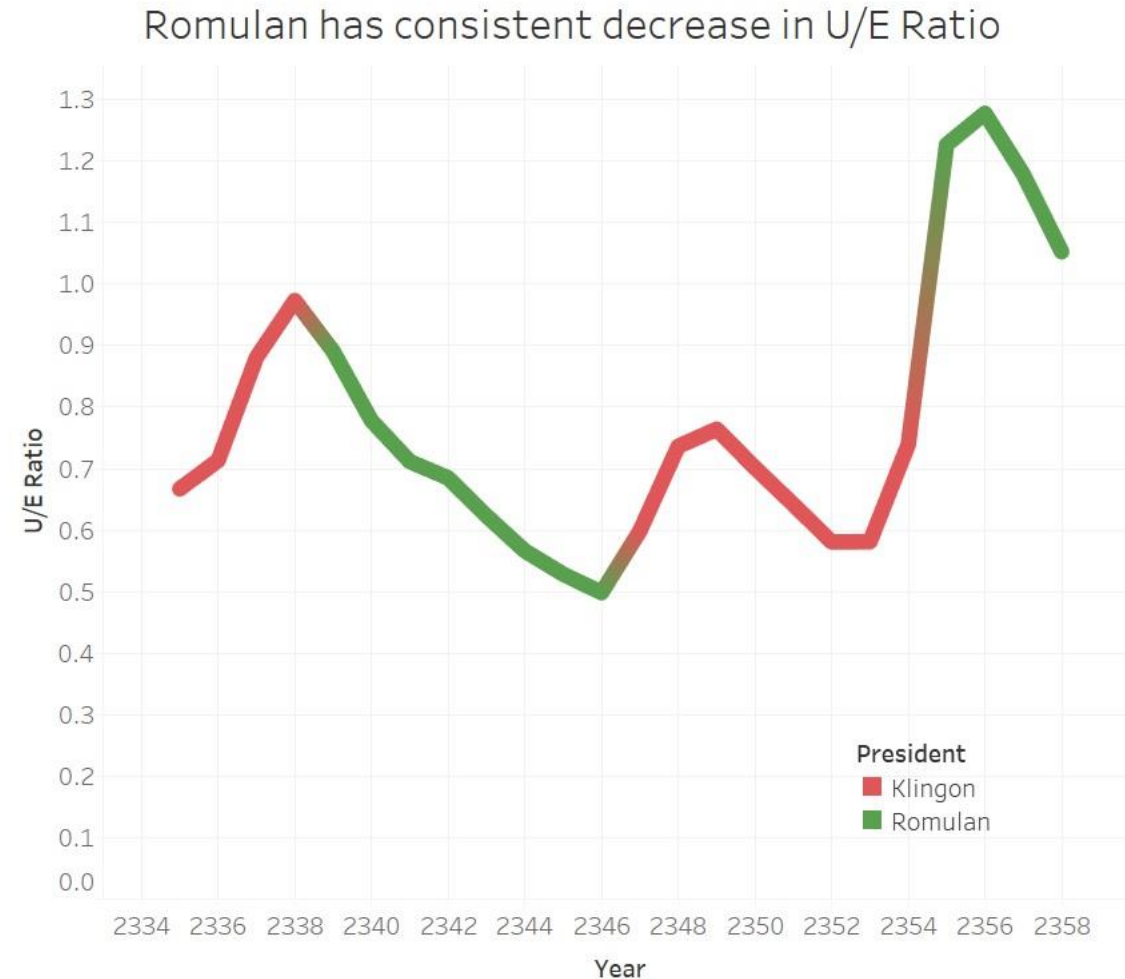
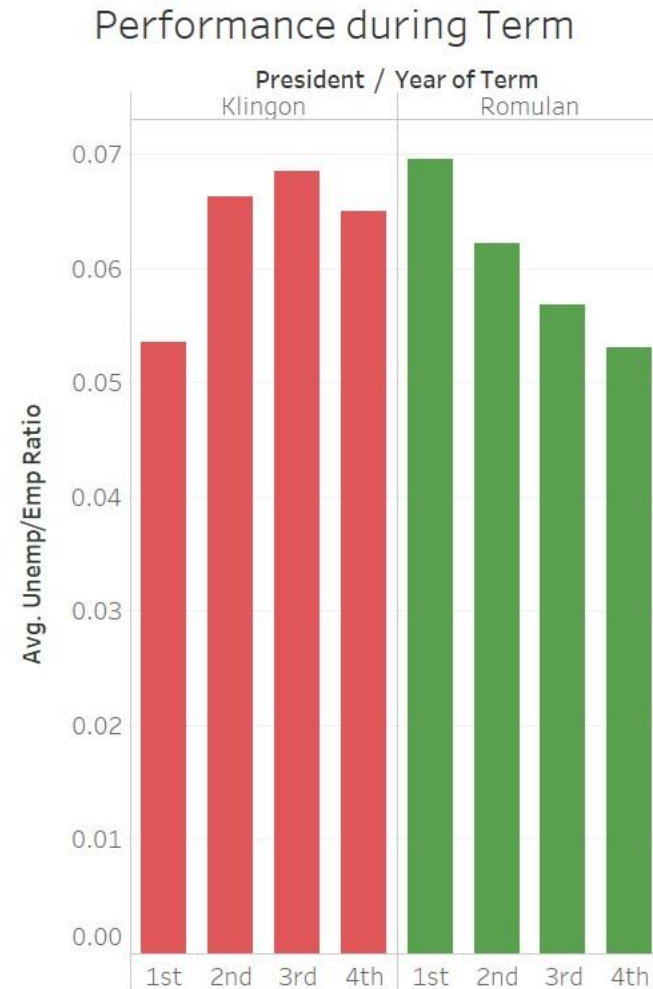
Klingons are the Best!

How did a Klingon-majority Senate and House benefit the economy?



No, Romulans are!

How effective have the Romulan presidents been in curbing unemployment?



Explanation - Balanced

Analysis

- We observed that over the long-term there wasn't much difference between the overall performance of Klingons v/s Romulans
- Hence, we decided find any interesting trend or insight that has been recurring over the years
- We noticed that there was a higher decrease in unemployment to employment ratio on average during years when all branches of the government, namely President, Senate & House were in the control of a single party
- We have depicted relative performance of these two kinds of governments, i.e. when all offices were held by Klingons or Romulans v/s otherwise

Design Choices

- We chose a line chart as we felt it's the best at conveying time-series data
- We accompanied it with a box-plot which helps accentuate the differences in performance between the two kinds of governments that we are representing
- We decided to use a bright orange hue for the interesting terms v/s a dull shade of grey for the rest of the years as it helps draw attention to the downward trend that we want to highlight

Explanation – Skewed in favor of Klingon

Analysis

- We wanted to highlight a time when the Klingons were having a positive effect on the economy while the Romulans were having a negative effect
- We decided to specifically look at the effect of the majority party in the House and Senate on unemployment as we found distinguishing patterns in them
- We additionally chose to filter the data and only use the last two decades as it favored Klingons
- We notice that a Klingon senate had a constantly decreasing unemployment to employment ratio while the Romulans had a constantly increasing ration except for the last two years
- We see the same trend but even stronger in the case of House representation

Design Choices

- We used scatter plots to represent our data as it clearly shows the trends without any clutter
- We decided to represent the two parties in red (Klingon) & green (Romulan) staying true to their faction colors
- We added an average line on the plot to highlight the fact that the Klingons managed to consistently stay below
- We additionally chose to apply lighter hues as background colors to accentuate the fact that the lower portion of the chart belongs to Klingons

Explanation – Skewed in favor of Romulan

Analysis

- We wanted to highlight a time when the Romulans were having a positive effect on the economy while the Klingons were having a negative effect
- We decided to specifically look at the trends of unemployment across various presidential terms
- We additionally chose to filter the data and only use the last three decades as it favored Romulans
- We can see that during Romulan presidency, the unemployment to employment ratio has consistently decreased which is in stark contrast to the Klingon performance
- We also decided to drill-down on each presidential term, and observe how the unemployment trends looked as the term progressed
- We notice that Romulan presidential terms showed a decline in U/E ratio (from first year of term towards the final)

Design Choices

- We decided to use a line chart to show the time-series data effectively, with different colors representing each party
- For the drill-down analysis, a bar chart is used as it helps to do a comparative analysis better
- As before, we use the original faction colors to represent the data as Klingon or Romulan

Sneaky Romulans!

- The Romulans have plotted Job Loss on the y-axis, and tried to represent an increasing trend since their new president took over
- The plot shows mainly negative values for Job Loss which translates to Job Growth
- They are trying to hide the fact that increasing job loss is a negative trait, and instead trying to represent Klingons as being deficient
- We have tried to show what fair representations of the same data would look like
- We see that there is a huge spike in loss of employment in the last month for Romulans

