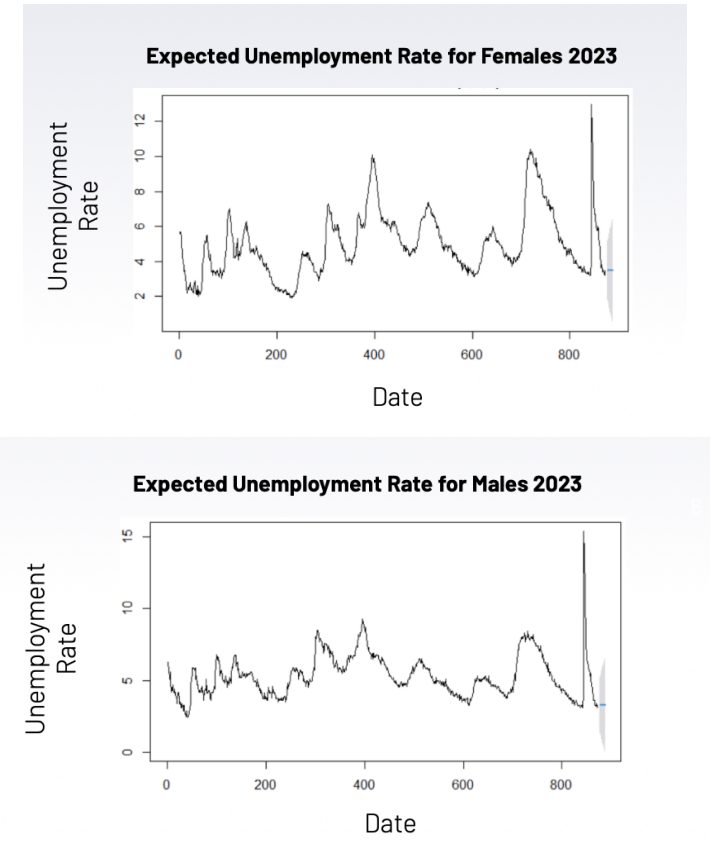
Minimizing Gender Unemployment Gap

A UVA Data Science Case Study by Ayushi Ambhore, 2022



Graphs of the unemployment disparity between the genders in 2023

Prompt: The 20th century has seen a remarkable increase in the number of women participating in the workforce in the United States, with about 71.5 million women employed in the U.S. compared to 18 million in 1950. However, men are still more engaged in the workforce than women are. A previous Data Science study has predicted that in 2023, females will have around a 4% unemployment rate whereas men will have a 3% rate. While this disparity is not that extreme, there is still an unbalance and it is important to figure out why. This issue impacts all people, those who are currently in the workforce, those that are in college right now that will want a job in the future, those that are unemployed, etc. Women and men should have equal opportunities in the workforce and reducing this gap, especially during times of economic stress, is important. This is why it's important to figure out what factors are leading to this gap. Does it have to do with the pandemic? Is it because of traditional duties placed on women that cause them to be unable to work?

Deliverable: Produce a list of factors that are the most correlated and important with unemployment rate for females/males that would explain the disparity. Also produce a plan of action to reduce the disparity.