

## **Understanding the Impact of Demographic Factors on Abortion Opinions: A Data Science Approach**

### **Background:**

The landscape of abortion rights in the United States has undergone significant shifts, especially with the recent overturning of *Roe v. Wade*. This historic decision has led to a patchwork of state responses, ranging from stringent bans to the protection and expansion of abortion access. Such a polarized environment provides a unique opportunity to explore how deeply ingrained demographic factors influence individual stances on abortion.

### **The Challenge:**

As a data scientist, you are at the forefront of understanding complex societal issues through data. In this project, you will dive into the General Social Survey Release 3 dataset to unravel the demographic underpinnings of abortion opinions. With advanced predictive modeling techniques like classification trees, you will analyze and predict how factors such as age, gender, religion, and geographical location impact opinions on abortion.

### **Objective:**

Your primary goal is to dissect and quantify how different demographic factors correlate with pro-choice and pro-life stances. You will also test the hypothesis that religion is a predominant factor influencing these opinions. This analysis is particularly relevant as it can provide campaigners and policymakers with a deeper understanding of voter behavior, helping them to align their strategies more closely with the public's views.

### **Deliverable:**

By the end of your analysis, you will produce a comprehensive report detailing your findings. This report will:

- Highlight key demographic factors that predict abortion opinions.
- Provide statistical evidence and model predictions to support your conclusions.
- Offer insights that can help shape effective campaign strategies in anticipation of upcoming elections.

### **Impact:**

This project is not just an academic exercise; it has real-world implications. Your findings will contribute to the broader discourse on abortion, providing evidence-based insights that can influence public policy and campaign strategies.

### **Get Involved:**

Engage with this pressing issue, apply your analytical skills, and contribute to an informed approach toward understanding and addressing one of the most contentious topics in contemporary politics.