Abstract
Analyzing Climate Change: The Evolution and Public Opinion

The topic of research in this repository is climate change. There are two parts to this analysis: evolution of climate change and public opinion about it. Firstly, modern climate change and its effects are seen in everyday life. Additionally, the effects are almost entirely man-made. This analysis serves to observe how human activity has impacted the climate. Secondly, public attitudes toward climate change and its severity are analyzed to explore the factors influencing people's belief systems. The aim is that with this study, targeted education and knowledge can empower people to make sustainable life choices. Previous studies in this area focus on either the cause and effect nature of climate itself, or simply the attitudes of people and whether they believe in climate change. However, in this study, the motivations behind belief systems and its potential implications for the climate are explored in detail. Several research questions were asked, exploring the factors affecting people's views about climate change, and global temperatures. These questions were answered with combinations of visualizations, hypothesis tests and time series modeling techniques. Various datasets were merged for comparative capability. The study brought to light many interesting and pressing implications regarding people's beliefs and the climate itself. It also provided motivation for certain policies that should be put into place to address issues and human activities surrounding the climate.