

## Group 35 Social Extremism

**Amber Vasquez:** Persona creation

**Marcos:** Data

**Thomas:** Task/Idiom

### The user of the visualization:



### **Public Interest Technologist: Amanda Edwards**

**Amanda Edwards**, a Public Interest Technologist, is a decision maker with deep understanding of both the policy tools available to modern society and the technologies of AI, machine learning, algorithms that drive social media and other technologies.

Software limits and forms our behavior so efficiently, no law can match it. It is changing at such a fast pace, technology is literally creating the world we all live in, and policymakers cannot keep up. Public Interest technologists, bringing technologists and policymakers together, are a key to surviving the rapid advancement of technology, as getting it wrong has become increasingly catastrophic.

Current technology unchecked has the potential to entrench bias and codify inequity, and to act in ways that are unexplainable and undesirable. It can be hacked in new ways, giving attackers from criminals and nation states new capabilities to disrupt and harm. Public Interest Technologists fill the gap between technologists and policy makers, creating solutions for our communities.

## Data:

Here is the location of the data which we will use for our visualizations.

Url: <https://www.aeaweb.org/articles?id=10.1257/aer.20190658>

The data provided contains multiple stata files containing our data which Marcos is responsible for preparing in to an altair ready format.

## Task:

As a Public Interest Technologist, Amanda needs to know in what ways social media affects people and measure how deeply those effects are so that she can make policy decisions. These policy decisions could limit the depth of data that social media pulls, the kind of advertising allowed on websites, and other kinds of information required for making informed decisions. So, from this visualization, Amanda needs to get the link of polarization and mental wellbeing to the kinds of advertisements and information being displayed to users of social media.

## Idiom:

To make best use of the data to accomplish the task set out for her, Amanda will accomplish her task through the use of a line chart that tracks the mental wellbeing of the participants over multiple weeks, and a bar chart that tracks the grade the participant gets on a test over recent events on social media. These idioms will give her the clearest picture of how social media affects a person's mood, correlated to their knowledge of current events occurring in social media.