

## **Am I the Asshole Predictive Model and Chatbot**

Am I the asshole is a popular subreddit boasting 3.2 million users. It has existed since June of 2013 and its goal is to help people realize if they are in fact the asshole of their own story. Users post stories from their lives and then other users respond with their reasons for why or why not the poster is the asshole of the story. This subreddit helps bring people down to earth in their own stories, whether they are the problem or not. Now, what would a computer say if given the same stories? Would a computer be able to give accurate results in a quicker and more concise manner? This project aims to answer these questions.

This analysis will use posts and comments from the Am I the Asshole subreddit. This project will require quite a bit of data wrangling to begin. Comments and posts need to be processed so that NLP libraries and algorithms are able to use them. Comments and posts will also need to be labeled as being the asshole or not. Luckily, the subreddit has nomenclature for this, with NTA signaling "Not the Asshole" and YTA signaling "You're the Asshole". The subreddit also has the less common ESH meaning "Everyone Sucks Here" and NAH meaning "No Assholes Here".

This analysis hopes to create a predictive model to predict if the subject of a story is the asshole or not. It also hopes to create a chatbox so that people can get advice in real time.