With this browser extension I want to continue my previous exploration of sentiment analysis, and use it to inform how I change a web-page.

This extension runs in chrome, and changes youtube.com.

I first attempted to build an add “enhancer” for facebook, but that proved more difficult than anticipated: <https://www.vice.com/en/article/7xydvx/facebooks-arms-race-with-adblockers-continues-to-escalate>

Then I tried to build one for youtube, but I could only catch the banners on the page but not the videos themselves.

So I decided to use the comments under the youtube videos and display them differently depending on the sentiment they are projecting.

Implementation. I use the sentiment npm package to perform the sentiment analysis on the text. To get the npm packages required working in a chrome extension, I bundled them using browserify. Npm packages typically require a server/client setup to run, but this allows me to bundle up the scripts I need and run them on the client side.

Then I find the comments in the DOM structure of the youtube page repatidly (to update the page while scrolling) and color the comments depending on the sentiment they project.