

Songs with Sentiment

What is an API?

What is NLP good at?
What isn't it good at?
Why?

Unit Learning Goals

You will be able to:

- Describe how an API is useful
- Use an API
- Describe how AI can be used for censorship
- Analyze the pros and cons of using AI for censorship
- Showcase ways sentiment analysis can be used for good

DISCUSSION

- Who knows what Genius Lyrics is?
- What does it do?

Vocabulary

- **API:** API stands for Application Program Interface
- APIs allow access to data from programs that aren't the one you're working on.
 - Ex: Genius needs a bunch of code to find all the songs by a given artist, list their lyrics, etc. This is all part of Genius' codebase
 - Your program wants to be able to access this, but doesn't need access to the rest of Genius' codebase
 - Genius provides the API so your program can do this
- Other places that offer API keys
 - Google Maps
 - Snapchat
 - Spotify

Vocabulary

- **API Key:** An API key allows the creator of the API to keep track of what applications are using its API and that they're using it safely and legally.

Set up the API

1. Sign up for an API here: <https://genius.com/api-clients>
2. Sign in to Genius (the account is free)
3. In the left menu click “New API Client”
4. Give your program a name - it doesn't matter what the name is, but know that you might want to be able to find it again later.
5. Give it a URL and a redirect URI - doesn't need to be a real one
 - Make sure you use the http:// or it won't catch it
6. Click Save
7. You'll get a client ID, Client Secret, and Client Access Token
8. Of these, you only need the Client Access token

Exit ticket: Unit 5.01 - API

What is an API? What is it useful for?


