The model was able to successfully identify the common motifs in Swift's lyrics: love, heartbreak, unrequited love, moving on, confusion, cheating, revenge, womanhood, etc. The model also properly generated melody lines to be repeated throughout the songs. Though some songs were not always successful as a whole and often lacked continuity, every epoch did contain valuable and original lyrics. An example is, “And I remember thinking, oh my God, oh my God! It’s two in the morning! How can one human being be so heartless? How can one be so heartless?" 

In order to achieve powerful metaphors, Swift often uses graphic and sometimes violent imagery, such as setting things ablaze, referencing wars, the intoxicating effects of love, and much more. What the AI did well was in being able to pick up Swift's graphic tone in many ways and replicating that. However, within this tone it often failed to replicate the proper subject, sometimes leaving the lyrics to be more of an eerie horror story rather than a breakup song. Instead of love tropes, the model sometimes referenced murder, injuries (i.e. burns, bruises, slashed faces, scars), doping, drinking, pregnancies, illegitimate children, and even sexual assault. At one point, it depicted the story of a scarred girl hiding under her bedsheet a murderous night. I would not call this unsuccessful but rather sheds more light onto the dark and dramatic world that Swift uses in her songs about love and heartache to connect to others.

With each increasing epoch, GPT-2 generated more comprehensible and creative lyrics, using many words and themes that do not exist in Swift's lyrics themselves. This means that the model improved with more training and increased originality in the composition of song lyrics.

Further Research

GPT-2 proved successful in creating metaphors and formulating complex ideas, which could be useful for understanding the structure and content of a song's lyrics. In order to write a more cohesive song, this model would have to be trained on a much larger dataset, possibly including some of Swift's contemporary pop artists.

Acknowledgements

https://slatestarcodex.com/2019/03/14/gwerns-ai-generated-poetry/
https://talktotransformer.com/
https://slatestarcodex.com/2019/03/14/gwerns-ai-generated-poetry/