

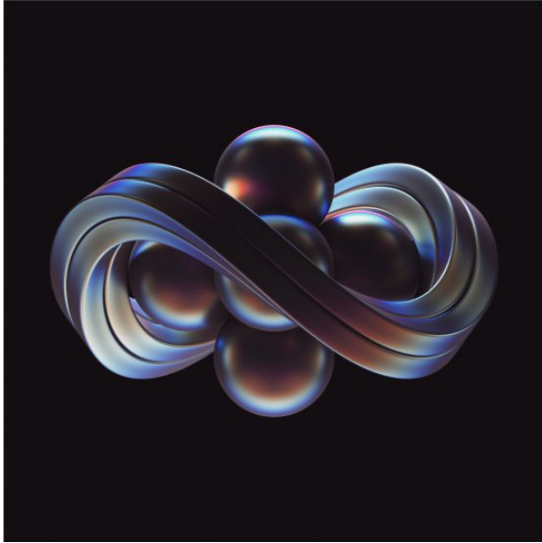
Exploring Non-Fungible Tokens via Twitter



Background

Non-fungible token = certification for unique digital item

\$904,413.47, March 2021, Market



Pak, *Metarift*. Courtesy of the artist.

\$3.2 million, Nifty Gateway, February 2021



Trevor Jones, *Bitcoin Angel* (2021). Courtesy of the artist.

A digital house sold for over \$500,000 to a Toronto buyer.



"Mars House" on SuperRare SuperRare

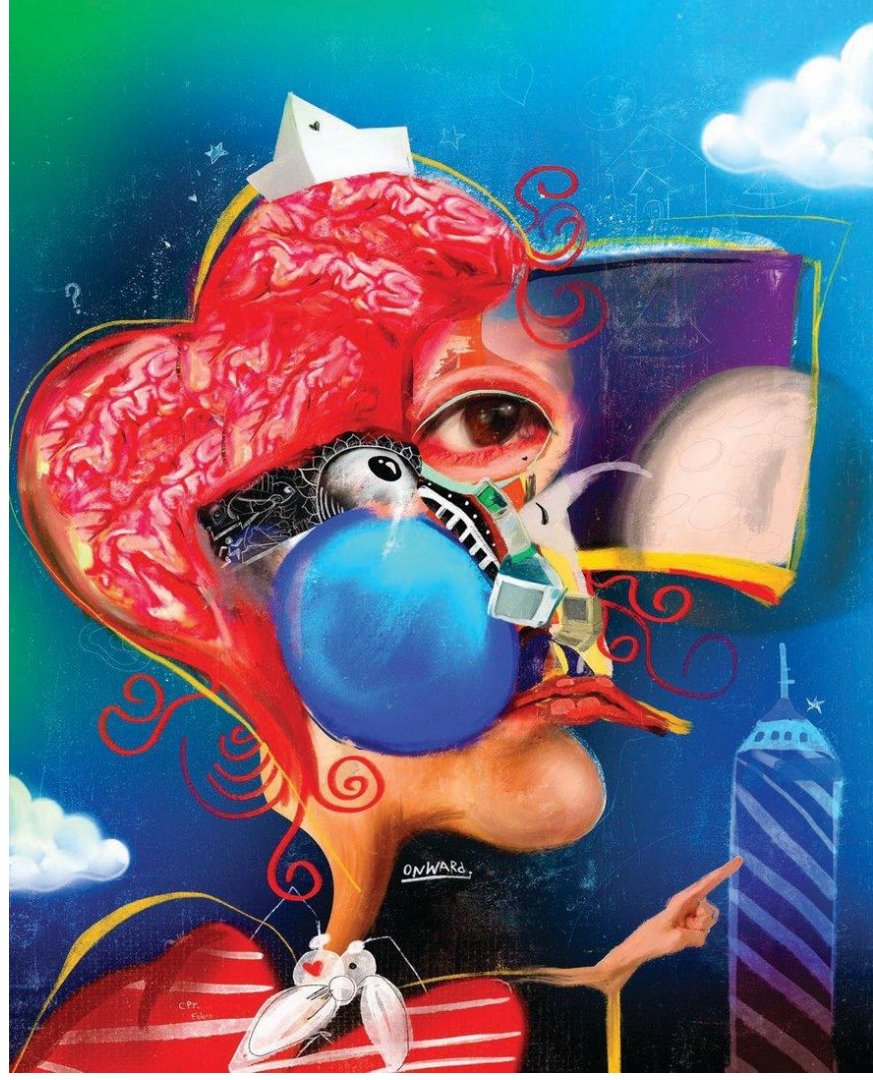
Methodology

Scrape Twitter: Twint

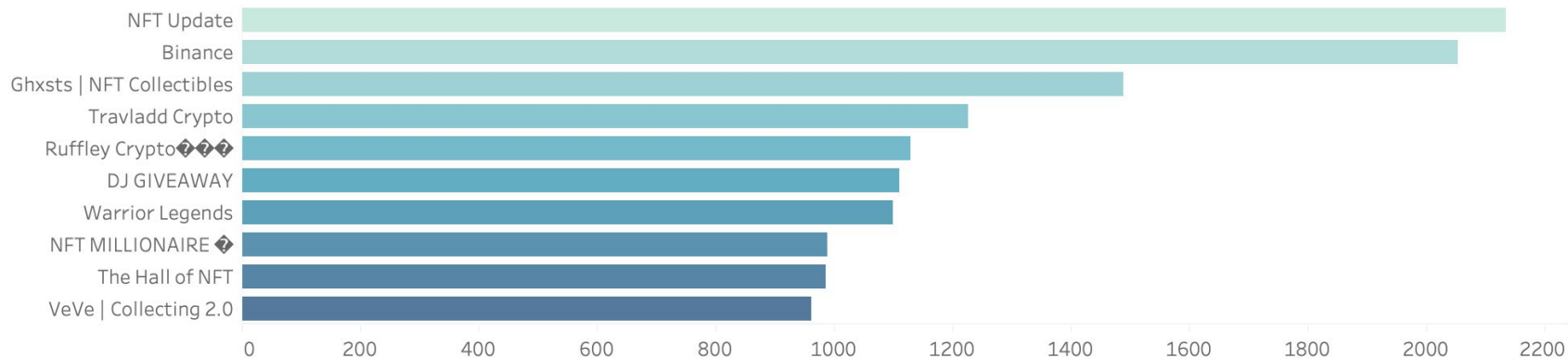
EDA/NLP

ML

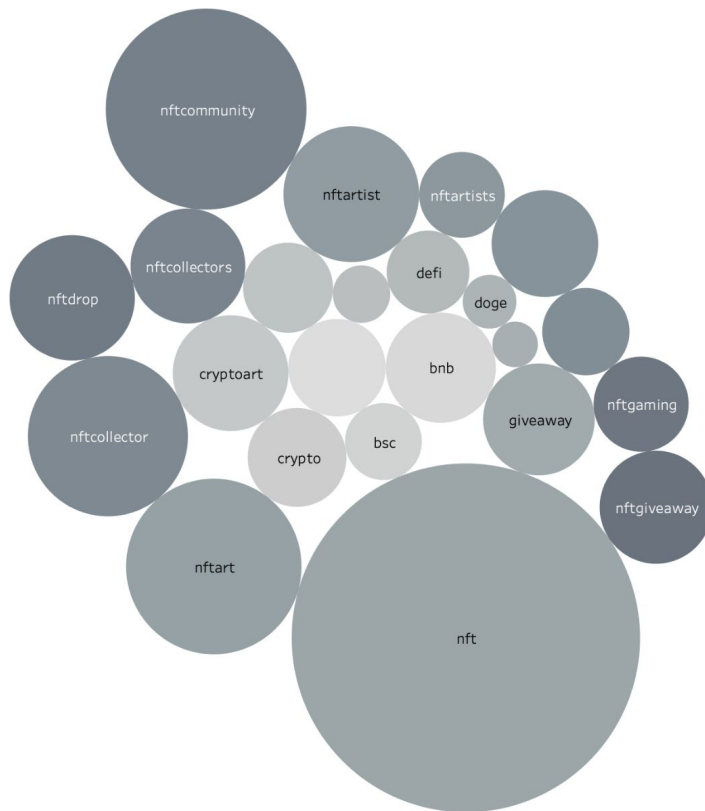
Streamlit



Twitter users with the most-liked NFT tweets



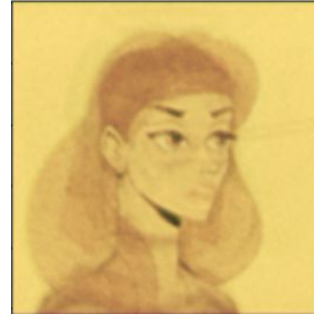
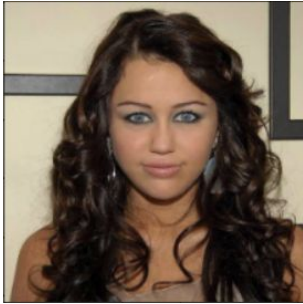
Hashtags that get the most retweets



Hashtags	
<input type="checkbox"/>	binancesmartchain
<input type="checkbox"/>	bnb
<input type="checkbox"/>	bsc
<input type="checkbox"/>	crypto
<input type="checkbox"/>	cryptoart
<input type="checkbox"/>	cryptodogs
<input type="checkbox"/>	cryptonews
<input type="checkbox"/>	defi
<input type="checkbox"/>	doge
<input type="checkbox"/>	dogearmy
<input type="checkbox"/>	giveaway
<input type="checkbox"/>	nft
<input type="checkbox"/>	nftart
<input type="checkbox"/>	nftartist
<input type="checkbox"/>	nftartists
<input type="checkbox"/>	nftcollectibles
<input type="checkbox"/>	nftcollection
<input type="checkbox"/>	nftcollector
<input type="checkbox"/>	nftcollectors
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<input type="checkbox"/>	nftdrop
<input type="checkbox"/>	nftgaming
<input type="checkbox"/>	nftgiveaway

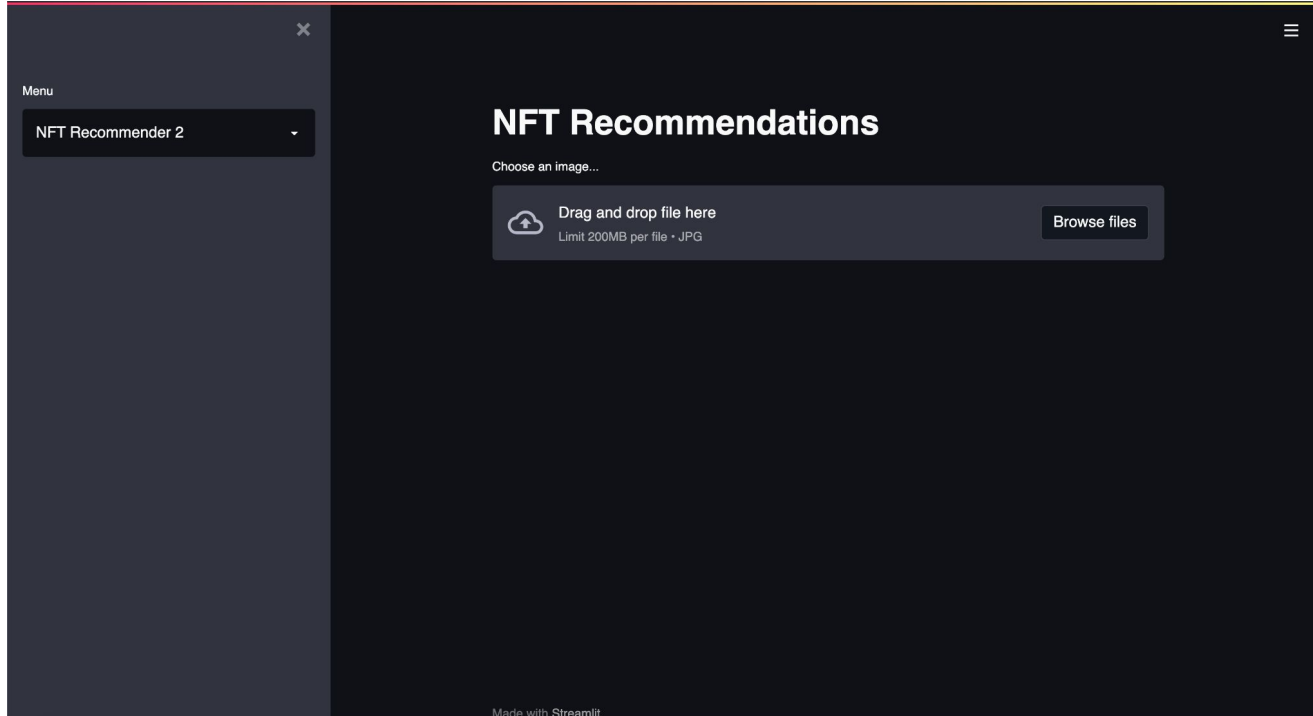
ML: Autoencoder

Idea: generate your NFT character look-alike
Not very successful -- the autoencoder seems to
primarily look at color



NFT Artwork Recommendation System (Image Similarity)

Euclidean distances: Input NFT artwork → output similar works

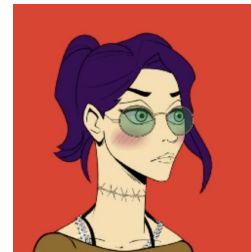
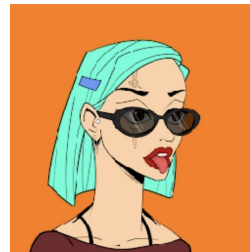
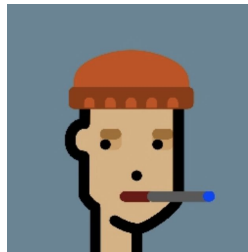


NFT Artwork Recommendation System (Image Similarity)

Input:



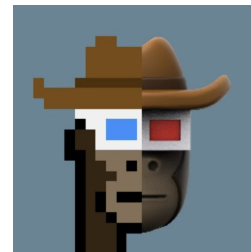
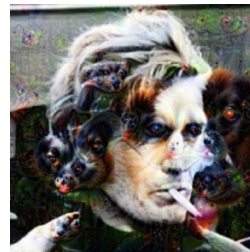
Output:



Input:



Output:



Conclusion

NFTs are fun!

A lot more to explore...

