TWITTER SENTIMENT ANALYSIS 2022 AI TWEETS

BACKGROUND & OBJECTIVE

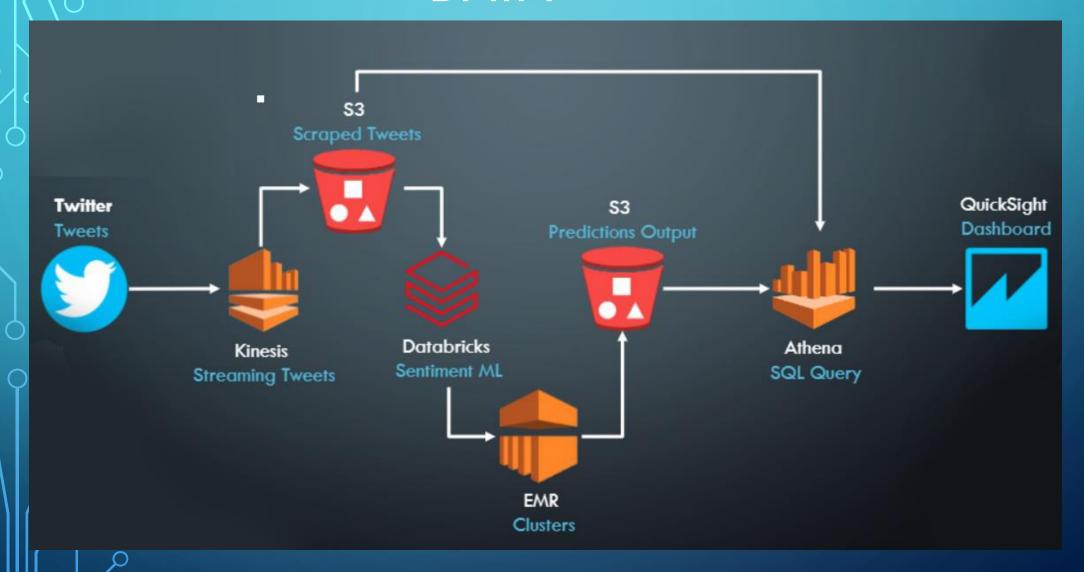
Background

- Al became a hot topic in 2022 because of introduction of Large Language Models and diffusion models
- Some people were positive towards this development, while others were negative

Objective

- Scrap #Al tweets
- Perform sentiment analysis
- Present findings

DATA



l idl	name	username	tweet	followers_count	location geo	created_at
1601172099045158912	YUNUS HANBAL	HanbalYunus @C	ryptoEmdarks Th	21	None None I	ri Dec 09 11:09:
1601172122730041344	ASLI HANBAL	HanbalAsli @C	ryptoDiva #GP	152	None None I	ri Dec 09 11:09:
1601172161372491778	YUNUS HANBAL	HanbalYunus @C	ryptoThro There	21	None None	ri Dec 09 11:09:
1601172171602419712	ASLI HANBAL	HanbalAsli @b	elufrancese #GP	152	None None	ri Dec 09 11:09:
1601172214056767489	YUNUS HANBAL	HanbalYunus @c	ryptojack There	21	None None	ri Dec 09 11:09:
1601172226631311362	ASLI HANBAL	HanbalAsli @C	ryptoThro #GPLE	152	None None	ri Dec 09 11:09:
1601172266460454914	ASLI HANBAL	HanbalAsli @c	ryptoworld202 #	152	None None	ri Dec 09 11:09:
1601172313017581568	ASLI HANBAL	HanbalAsli @p	ascualprincipe	152	None None I	ri Dec 09 11:10:

0.01K

0.1K

Count of Tweet by Tweet

SHOWING TOP 2500 IN TWEET

rt jjvincent ai portrait app lensa is based on stable diffusion which barring the most recent version is trained on reams of nsfw datart rincyv we are back on st position it was human vs artificial intelligence and the emotions of priyankapaltan won no matter hort achiroaram sarahpromos neuralink is using artificial intelligence to enhance your social media appearance rt nandahoreweg the airmec consortium pushes boundaries by using artificial intelligence to molecularly classify ... rt stevereinharz aitx great publication and story emmastein the artificial intelligence based animal can pursue a tresspasser rt grzegorzrutko here s another interview where i could speak up about important issues in using ai and its import thereidout reidoutblog the next time you hear a news report on social platforms artificial intelligence or the metaverse defy your reanakashima i expected to dislike effective altruism but having read this piece by timnitgebru i like it even less never underestire anakashima i expected to dislike effective altruism but having read this piece by timnitgebru i like it even less never underestire anakashima i expected to dislike effective altruism but having read this piece by timnitgebru i like it even less never underestire anakashima i expected to dislike effective altruism but having read this piece by timnitgebru i like it even less never underestire anakashima i expected to dislike effective altruism but having read this piece by timnitgebru i like it even less never underestire anakashima i expected to dislike effective altruism but having read this piece by timnitgebru i like it even less never underestire at eanakashima i expected to dislike effective altruism but having read this piece by timnitgebru i like it even less never underestire at eanakashima i expected to dislike effective altruism but having read this piece by timnitgebru i like it even less never underestire at eanakashima i expected to dislike effective altruism but having read this piece by timnitgebru i like it even less ne

Total Number of Tweets

10491

Positive Sentiment Tweets

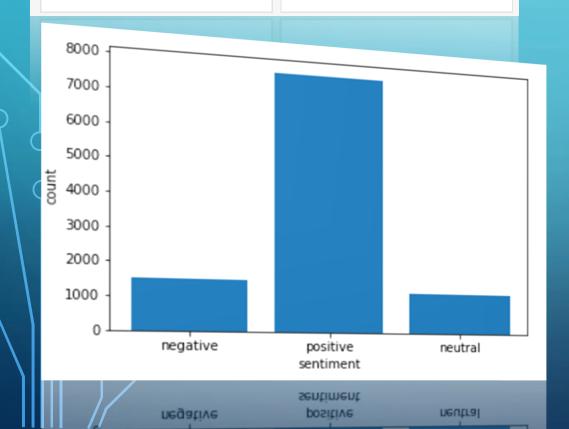
7753

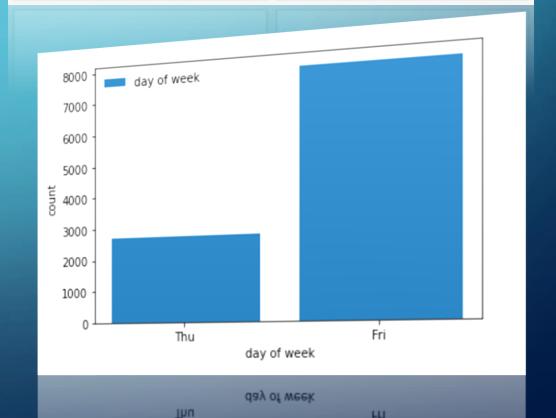
Negative Sentiment Tweets

1509

Neutral Sentiment Tweets

1229

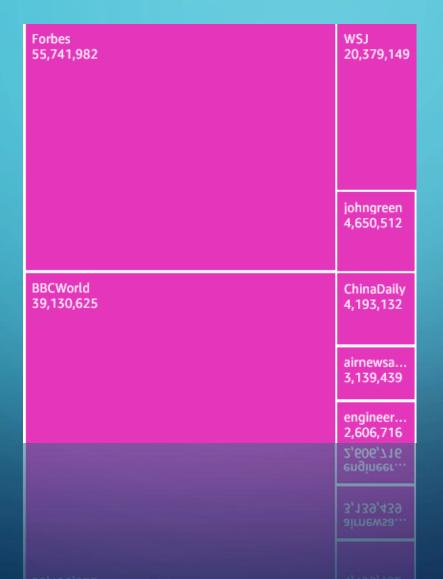




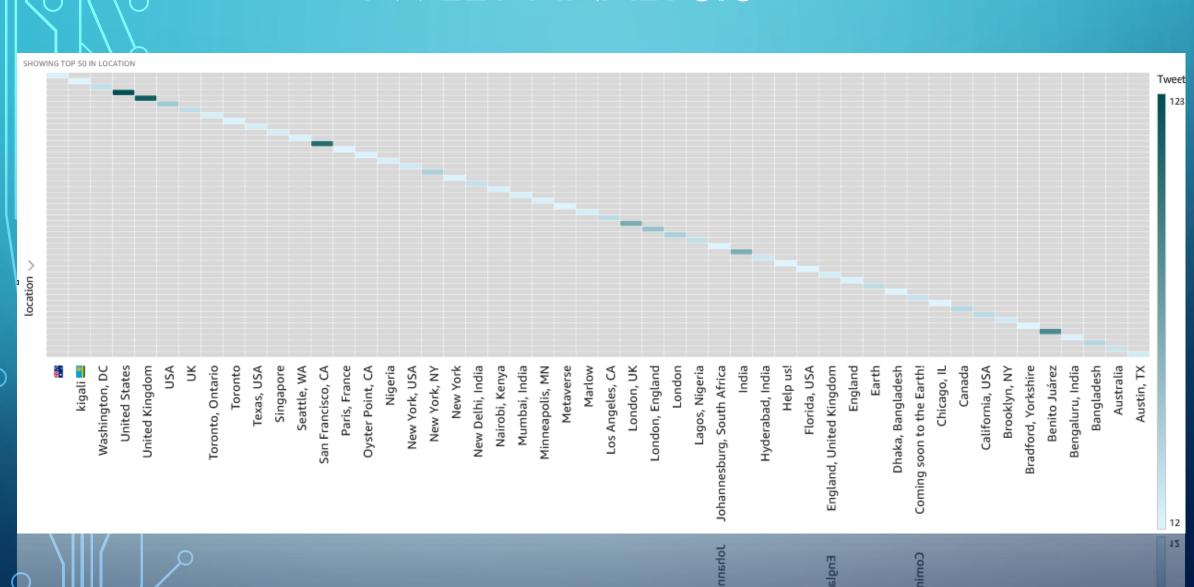
Retweets

6561

59%



ozgungrbz	AISelection
227	66
	PhilippeJB_PJB 64
JagdipSanghera	SuriyaSubra
90	59
ricardo_ik_ahau	Neurons_AI
88	43
ide747	AINewsFeed
76	40
ide747	AINewsFeed
76	40
ncardo_ik_anau 88	



Bha

Logistic Regression

Decision Tree

Accuracy Score: 0.8977

ROC-AUC: 0.8976

Accuracy Score: 0.7974

ROC-AUC: 0.7426

CONCLUSION

Challenges

- Databricks community edition cluster has 2 hours limit
- Databricks community edition cluster is very slow when working with large data sets
- 59% of tweets are retweets

Conclusion

- Most people are positive towards developments in Al
- Logistic regression is better than Decision Tree model
- Logistic Regression model accuracy is 90%