

Earning Number of Followers Type of Influencer \$88 per post MICRO 5K - 20K \$200 per MID TIER 20K - 100K post \$670 per MACRO 100K - 1M post MEGA up to 1 m \$ > 1M





BEHIND THE BOT?

Number of post scraped: 241 775

Number of unique profiles: 3716







WAS SCRAPED?



instagram 🤏



6,390 posts 355m followers

55 following



www.facebook.com/covidsupport ____ LINK



Followed by gretathunberg, 2dayor4night, greenpeace + 5 more

WHAT'S

27, 2020. Image may contain: cloud, sky, outdoor and nature" class="EFVAD" de



instagram * Follow

Moscow, Russia LOCATION



instagram These cats are bananas.

多常息

right?"

Doll artist Anna Nazarenko's (@awesome_oso) menagerie of handmade, hybrid creatures includes broccoli sheep and Milky Way cows, and yes, banana cats. "I love mixing different things and literally anything will become a cute creature if you add a kitty face on it 0," she says. "I take inspiration from various shapes but it's dull to just sculpt a banana,

"My creatures must bring joy and smiles. They must be pleasant to look at and they must not break easily." #ThisWeekOnInstagram

Photo by @awesome oso









891,020 likes



36 features

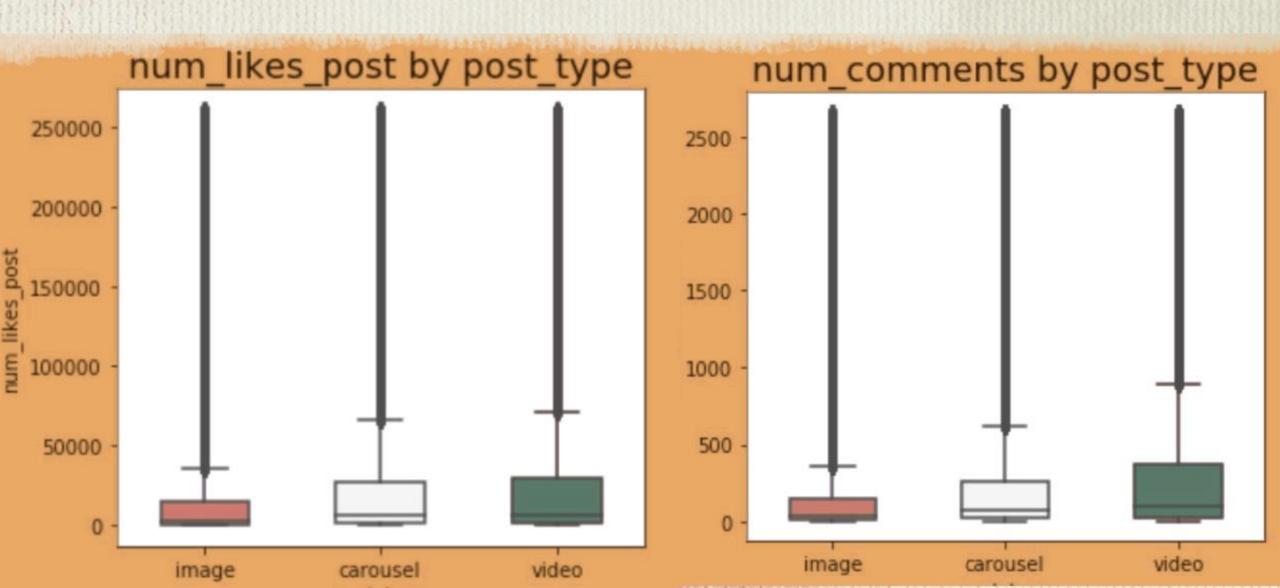
Profile level features:

- main_profile_category
- profile_categories
- female followers
- male followers
- country
- profile_name
- num_posts
- full_profile
- profile_namedescription
- personal_link
- num_followers
- influencer_type
- post_frequency

Post level features:

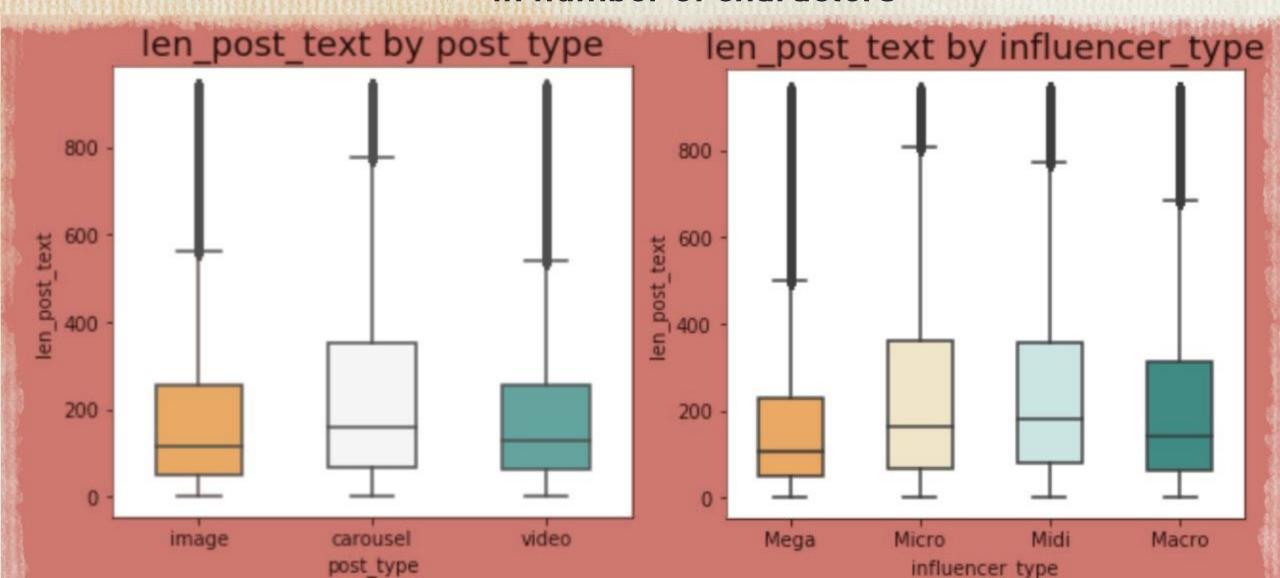
- comments
- post_text
- location
- num_likes
- num_views
- num_comments
- time of publication
- what' s_on_photo
- post_type (carousel,video,image)
- Hashtags
- emoji_post_text
- emoji_comments
- len_post_text
- num_of_unique_hashtags
- mean_likes
- comments_engagement
- like_engagement
- polarity_post_txt
- subjectivity_post_txt

POST TYPES



LENGTH OF TEXT

In number of characters



Most frequent words in posts text

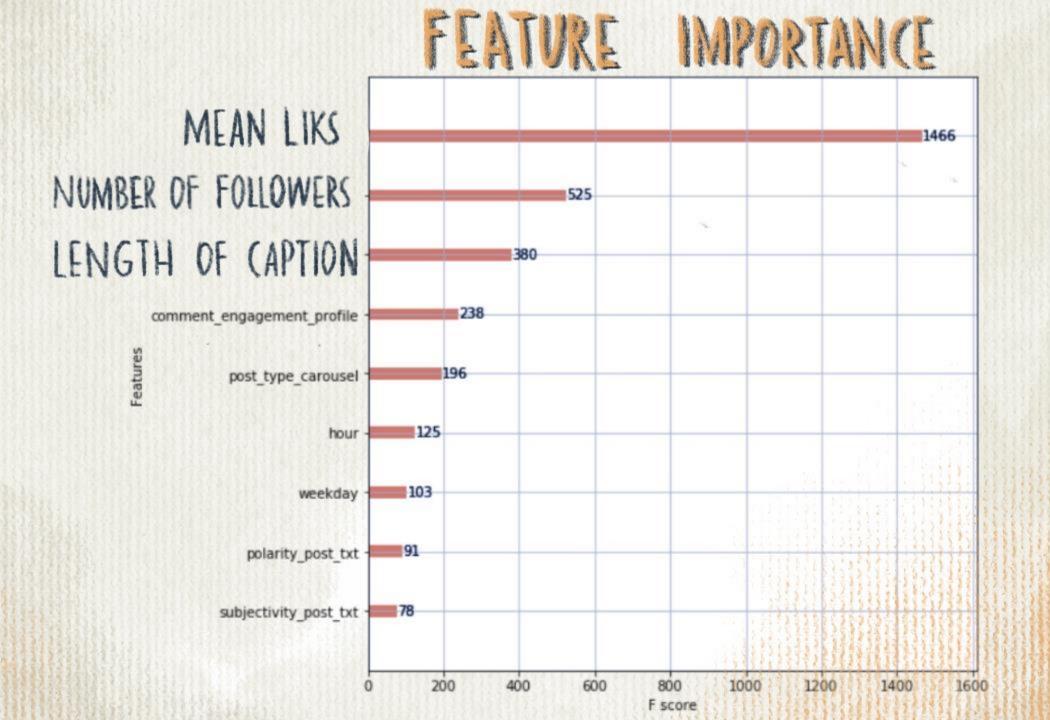


Most frequent words in comments



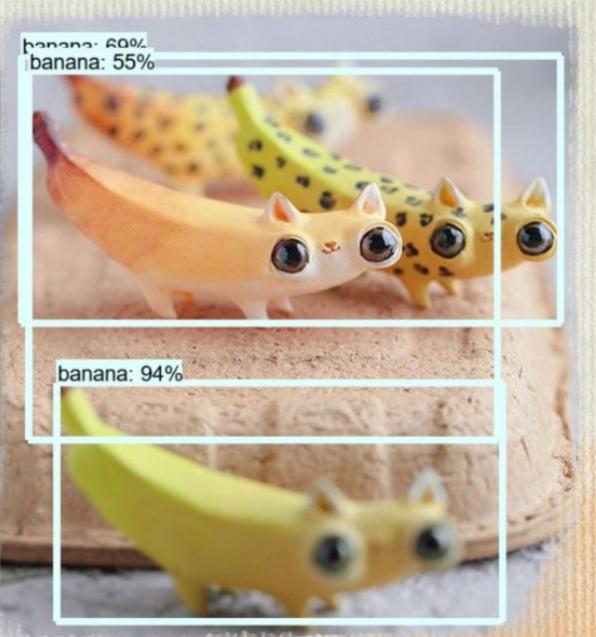
REGRESSION ON

Model	Adjusted R2	Root Mean Square Error
Baseline (mean)	0	264515.4
XGBRegressor	0.77	106187.5
LinearRegression	0.76	112225.9
VotingRegressor	0.74	125721.0
Lasso	0.75	117056.9
ElasticNet	0.67	134077.4
KNeighborsRegressor	0.72	125036.5
DecisionTreeRegressor	0.56	155622.6
GradientBoostingRegressor	0.78	111166.8
Neuronal Network	0.75	131937.6



THRESHOLD - 50% PROBABILITY





TELLASHIAS HIAS

PREPROCESSED CAPTION + WHAT'S ON PHOTO

WORDS
BASE HASHTAG
SIMILAR

1. FOLLOWERS*100
AND
2.OTHERS

	original_hash	popularity	base_hash	similar	num_posts
0	love	1835000000	love	['loveit', 'lovely', 'loveyourself', 'loveyou'	['76764148', '66763685', '57749282', '50459517
1	instagood	1150000000	instagood	['instagoodmyphoto', 'instagoods', 'instagoodn	['6830190', '3757690', '1799149', '324464', '2
2	fashion	812700000	fashion	['fashionblogger', 'fashionista', 'fashionstyl	['119437330', '103271371', '38380855', '341789
3	photooftheday	797300000	photooftheday	['photoofthedays', 'photoofthedaychallenge', '	['1820219', '140999', '94889', '57590', '33228
4	beautiful	661000000	beautiful	['beautifuldestinations', 'beautifulday', 'bea	['43766926', '22586677', '9268518', '8490783',

USERNAME

Scrapes
Profile info:
Numb. Followers
Mean likes
Mean comment
engagement

PREDICTIONS

· LIKES

-LIKE ENGAGEMENT RATE (%)



1START

IS CAROUSEL
WEEKDAY
HOUR OF PUBLICATION

CAPTION

Text preprocessing
Subjectivity
Polarity
Length

PHOTO

Objects Detection ## HASHTAG
RECOMMENDATION

NUMBER OF FOLLOWERS * 100

OTHERS

FURTHER STEPS:

Bot limitation:

- Only public accounts.
- For profiles with more than 500 followers.
- Database of hashtag does not update.
- Works from my local machine performance is not very fast.

What can be done next?

- Search for similar posts from Macro and Mega influencers to show them as inspiration.
- Generate caption text base on photo and key words.

