



SDAIA Academy T5C04 Bootcamps: Data Science Linear Regression and Web Scraping Module Project Presentation



Predict the Number of Likes of a Linkedin Post

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Problem and Solution

Project background and objectives

Objective

Predict the number of likes of a Linkedin post

Data Acquisition

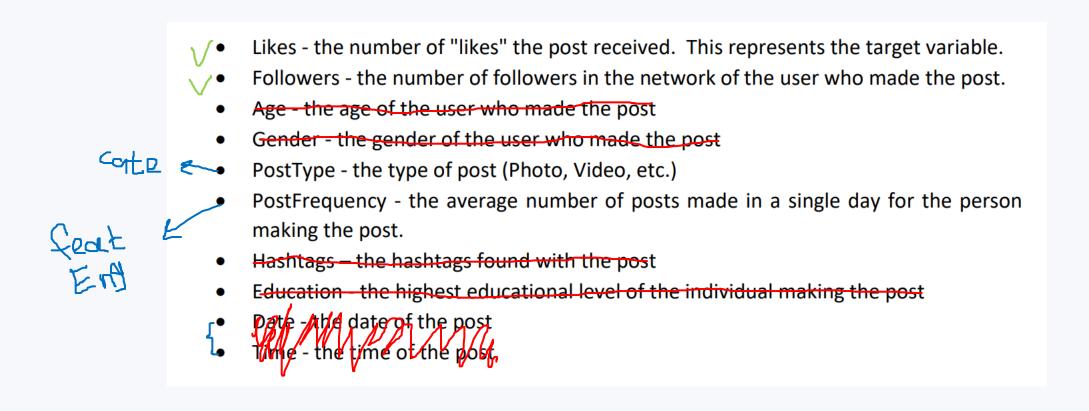
Bringing the data from the its source to be processed

Features

- Likes the number of "likes" the post received. This represents the target variable.
- Followers the number of followers in the network of the user who made the post.
- Age the age of the user who made the post
- Gender the gender of the user who made the post
- PostType the type of post (Photo, Video, etc.)
- PostFrequency the average number of posts made in a single day for the person making the post.
- Hashtags the hashtags found with the post
- Education the highest educational level of the individual making the post
- Date the date of the post
- Time the time of the post



Features



Features









Total followers

users who has subscribed to the author account



days passed since posted

Total posts

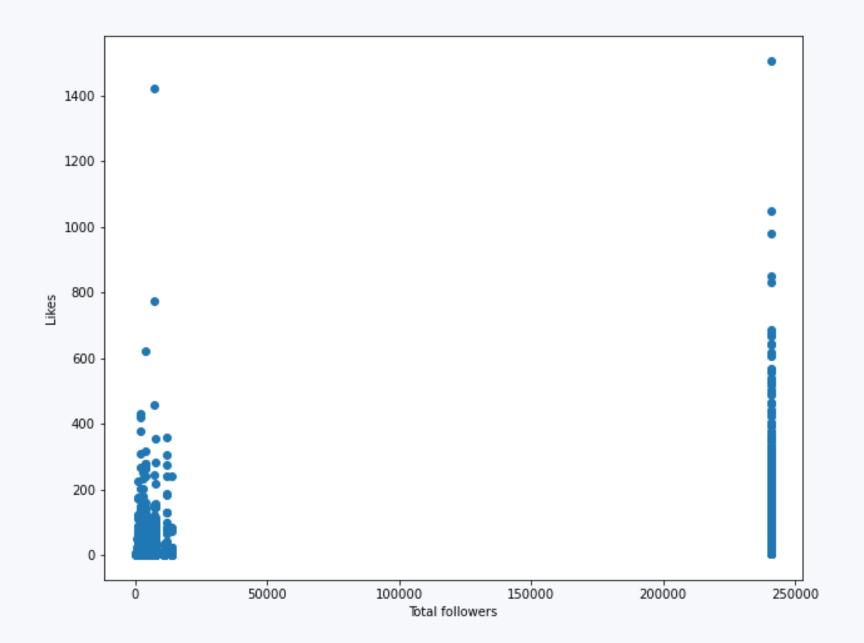
total number of posts for the author

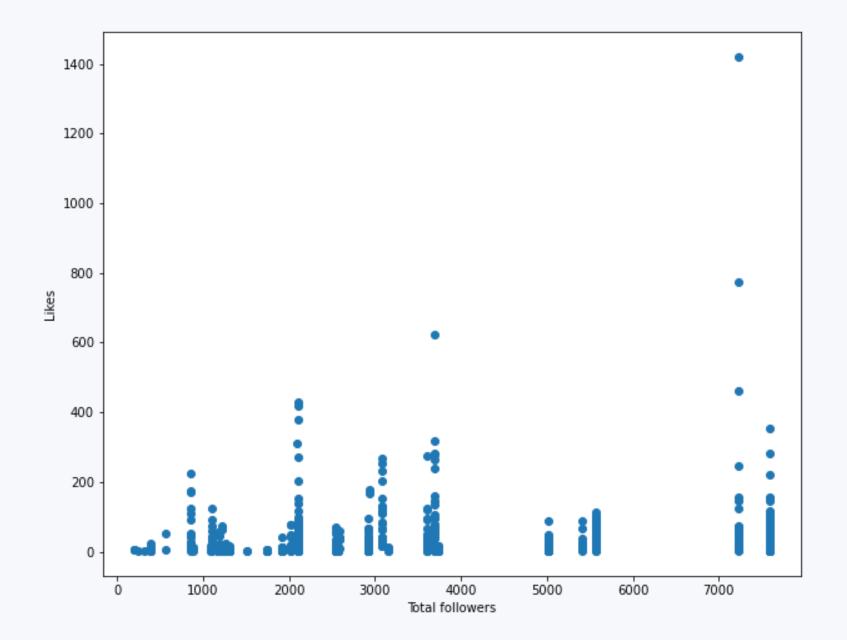
Likes

total likes received per post

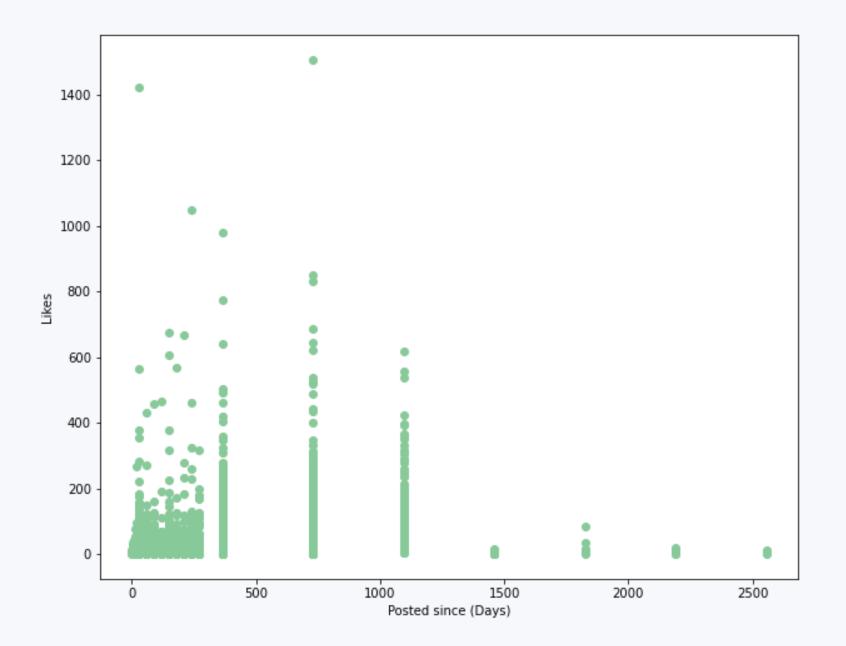
Data Visualization

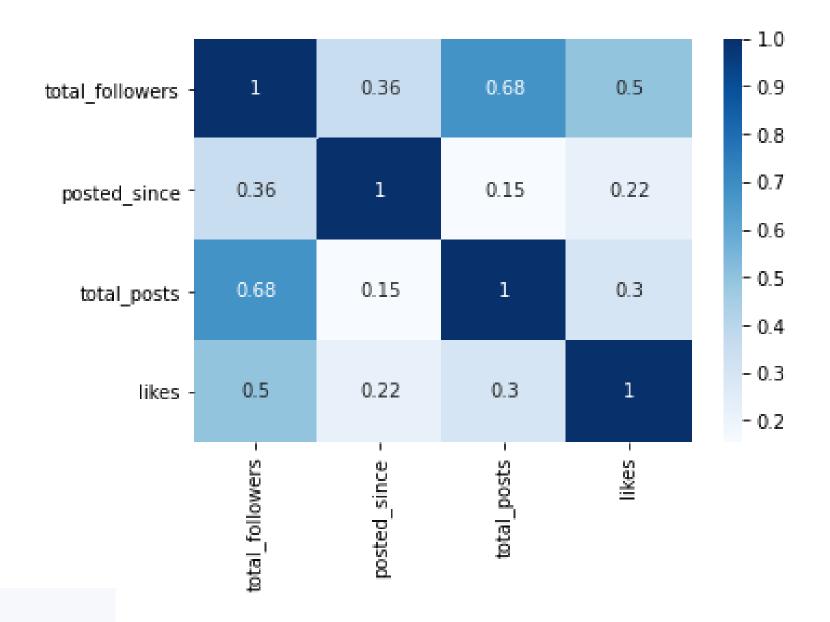
Gaining insights from the data









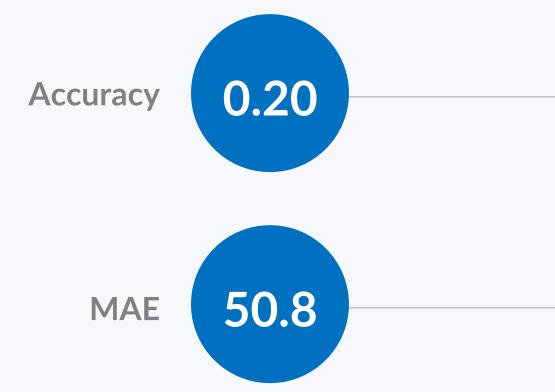


Model Development

Train and test the model to estimate results

Experiments

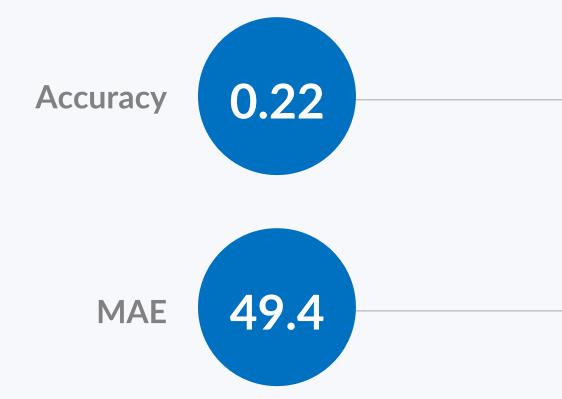
Linear Regression



Experiments

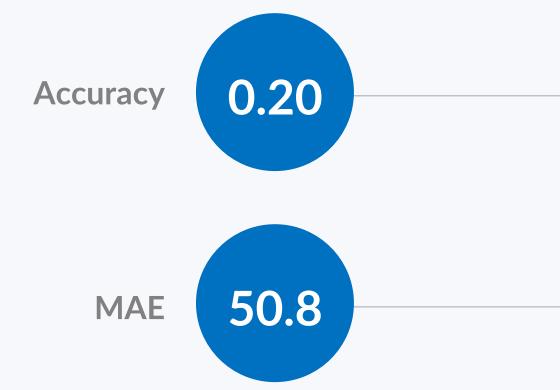
Linear Regression

(with 3rd degree polynomial features)



Experiments

Lasso Ridge ElasticNet



Challenges Which made me cry...A LOT

Linkedin is INCONSISTENT AS HECK!!!!!!



University of Science and Technology, Yemen

Bachelor's degree, Information Technology

2010 - 2014



University of California, Berkeley

B.A., Economics & Political Science

1999 - 2003



Harvard Business School Executive Education

2016 - 2016

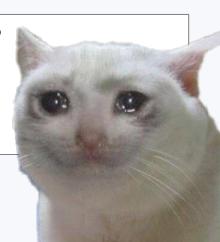


The University of British Columbia

Bachelor of Education (B.Ed.)

1997 - 1998

Linkedin why?



Types of Headache

Migraine

Hypertension

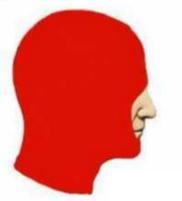




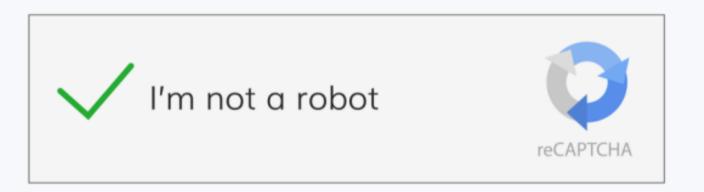
Stress

Scraping LinkedIn















Thank You!