

Interview Mini Project

Instagram likes – Regression or Classification

Description

In this mini project, we ask you to develop a machine learning/ deep learning-based model to predict/classify the number of likes of an Instagram post.

Dataset

In this mini project, you will get access to 3785 Instagram posts along with their associated image and meta data (e.g., number of likes, number of the followers of the profile, time, and number of comments).

The shared folder named “image” contains all 3785 images.

Info.csv contains meta data and the path to the image.

How to submit your result?

You should submit your main findings in one page in pdf format. You should submit your code (Jupyter Notebook or GitHub) and your best findings in less than 10 power point slides.

Comments:

You can drop 5% of the data based on a convincing reason. (e.g., outlier detection)

You can tackle this problem as a regression problem (i.e. predicting the number of likes) or a classification problem by splitting the likes into 3 classes.

You can use traditional methods for the problem, but there are bonus points for using vision transformers (like Clip) and comparing the results with traditional methods.