

Instagram

Contains crawler, downloader, storing in database, statistics and uploader/automation

1. Crawler: Start with the crawler which scrapes each instagram page contained in the txt file for:

Will be a module with different functions for each command:

- Get the amount of posts
- Get the number of followers
- Get the amount followed
- Get the amount of likes in the last **i** photos/videos starting with the latest where **i** is a input integer
- Get the amount of comments in the last **j** photos/videos starting with the latest where **j** is a input integer
- Get the text of all comments in the last **k** photos/videos starting with the latest where **k** is a input integer
- Get the description text of each **l** images checked where **l** is a input integer
- Get the href link to the **m** photos/videos in question, where **m** is a input integer

Where **i**, **j**, **k**, **l**, **m** were used as placeholders to show that they can be independent.

2. Downloader: downloads all of the href links specified

3. Storing in a database: after each different scrape function may have run, choose if need to update or insert into sql database.

4. Statistics: Simple mean value of the amount of comments/amount of posts etc to better provide a good scoring system.

5. Uploader/Automation: Take the new images/videos and upload the images by the specified time slots per day.

Example use:

Grab ****kittenattackz**** from ***accounts.txt*** and proceed to check if ****kittenattackz**** exists

If 'kittenattackz' exists already in the database then check if the amount of posts have increased.

Score the images/videos according to the ratio between $(\text{likes} + \text{comments} * X) / \text{followers}$, where X is a constant.

Download the top N images/videos specified. Upload the

Store all relevant new data in the database.

There should be no need for a user to check the database manually or manually enter the data.

This makes it so that there's no need to check further than if the amount of posts increased.