

## Entities

### Account

```
account_data = {
    'username': account.username,
    'name': account.name,
    'followers_count': followers,
    'following_count': followings,
    'likes_count': account.likes_count,
    'tweets_count': account.tweets_count,
    'website': account.website,
    'profile_photo': account.profile_photo,
    'birthday': account.birthday,
    'news_count': 0,
    'news_group_leadership_count': 0,
    'like_count': 0,
    'dislike_count': 0
}
```

### Tweet

```
tweet_data = {
    'username': tweet.username,
    'userRef': self.db.collection("accounts").document(tweet.username),
    'tweet_id': tweet.tweet_id,
    'is_retweet': tweet.is_retweet,
    'date': tweet.date,
    'text': tweet.text,
    'reply_count': tweet.reply_count,
    'retweet_count': tweet.retweet_count,
    'tweet_link': "twitter.com/" + tweet.username + "/status/" + tweet.tweet_id,
    'likes': tweet.likes,
    'urls': tweet.urls,
    'photos': tweet.photos,
    'videos': tweet.videos,
    'label': tweet.label,
    'report_count': 0,
    'news_group_id': "",
    'category': ""
}
```

### newsgroups

"news\_group\_id"

"cluster\_id"

"category"

"date"

### userfollowsnewsgroup

"user\_id"

"news\_group\_id"

"date"

**likes**

"user\_id"

"account\_name"

"date"

**dislikes**

"user\_id"

"account\_name"

"date"

**reports**

"user\_id"

"tweet\_doc\_id"

"tweet\_id"