

Dataset Background:

The Jester dataset was created with the help of more than 3,300 unique crowd actors.

Developers have successfully created classification models based on the training set and found that they perform well on the validation set. Running models on the test set, developers can achieve scores of up to 97 percent.

The video data is provided as one large TGZ archive, split into parts of 1 GB maximum. The total download size is 22.8 GB. The archive contains directories numbered from 1 to 148092. Each directory corresponds to one video and contains JPG images with a height of 100px and variable width. The JPG images were extracted from the original videos at 12 frames per seconds. The filenames of the JPGs start at 00001.jpg. The number of JPGs varies as the length of the original videos varies.

Dataset Instructions:

In order to extract the TGZ archive, the 23 files must be downloaded and concatenated in the right order. Only then they can be extracted. In Linux-based environments the following command can be executed in the download directory in order to achieve this:

```
cat 20bn-jester-v1-?? | tar zx
```

Dataset Classes:

Doing other things	12416
Drumming Fingers	5444
No gesture	5344
Pulling Hand In	5379
Pulling Two Fingers In	5315
Pushing Hand Away	5434
Pushing Two Fingers Away	5358
Rolling Hand Backward	5031
Rolling Hand Forward	5165
Shaking Hand	5314
Sliding Two Fingers Down	5410
Sliding Two Fingers Left	5345
Sliding Two Fingers Right	5244
Sliding Two Fingers Up	5262
Stop Sign	5413
Swiping Down	5303
Swiping Left	5160
Swiping Right	5066
Swiping Up	5240
Thumb Down	5460
Thumb Up	5457

Turning Hand Clockwise	3980
Turning Hand Counterclockwise	4181
Zooming In With Full Hand	5307
Zooming In With Two Fingers	5355
Zooming Out With Full Hand	5330
Zooming Out With Two Fingers	5379