

Step 6: Sending analytics to the cloud

In this final coding step we are going to send the data to the cloud Storage, we are using cloud firestore NoSQL database REST api.

Firebase is a development platform known originally for its realtime database that's still at its core a multi-node, key-value database optimized for synchronizing data, often between user machines or smartphones and centralized storage in the cloud.

```
date = datetime.today().strftime('%Y-%m-%d')

url="https://firestore.googleapis.com/v1/projects/happy-
ad847/databases/(default)/documents/counters/" + date

...

...

if emotion_text == 'sad':

    color = emotion_probability * np.asarray((255, 0, 0))

elif emotion_text == 'sad':

    sad = sad + 1

    total = total + 1

    print('sad = ' + str(sad))

    payload = {

        "fields": {

            "total": {"integerValue": str(total)},

            "sad": {"integerValue": str(sad)},

            "happy":{"integerValue": str(happy)}

        }

    }
```

```
}

rsp = requests.patch(url,data = json.dumps(payload))

color = emotion_probability * np.asarray((0, 0, 255))

elif emotion_text == 'happy':

    happy = happy + 1

    total = total + 1

    print('happy = '+ str(happy))

    payload = {

        "fields": {

            "total": {"integerValue": str(total)},

            "sad": {"integerValue": str(sad)},

            "happy":{"integerValue": str(happy)}

        }

    }

    rsp = requests.patch(url,data = json.dumps(payload))

    color = emotion_probability * np.asarray((255, 255, 0))
```

now we will execute the code:

```
python3 happy_sad_cloud.py
```

and we will see the results in the cloud as shown below

