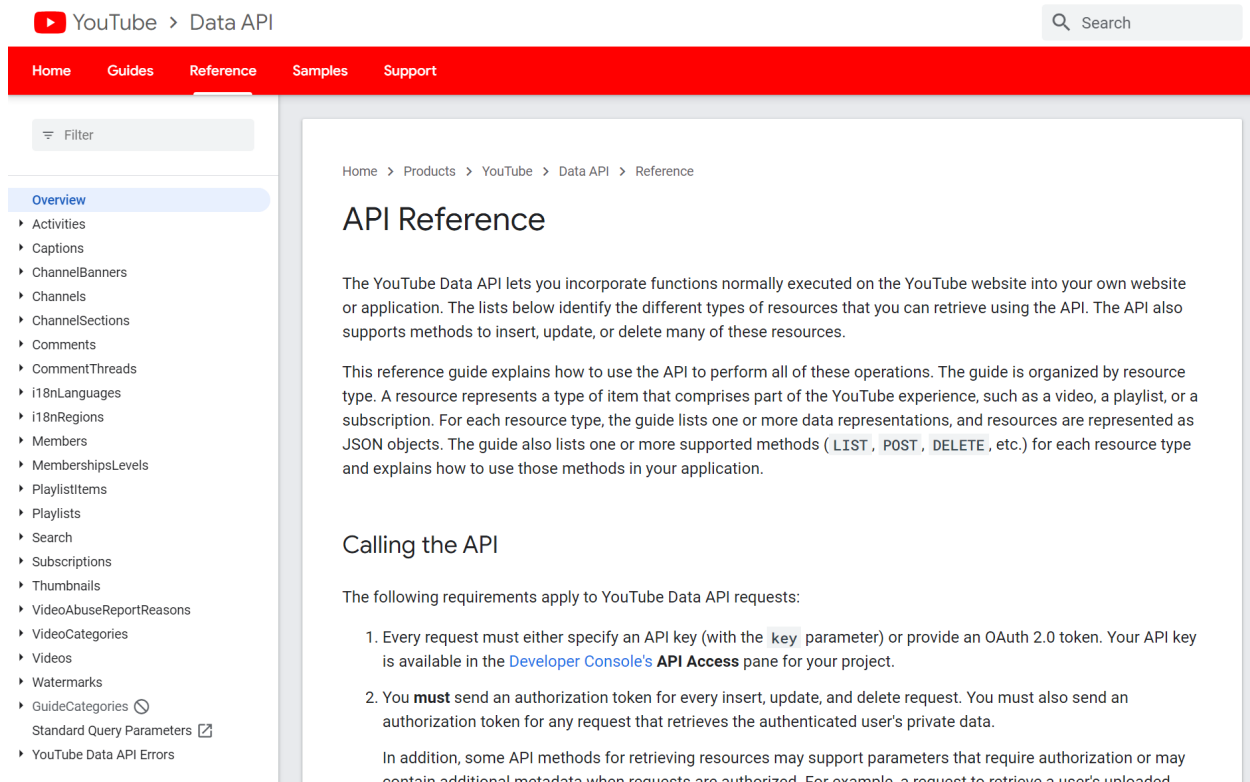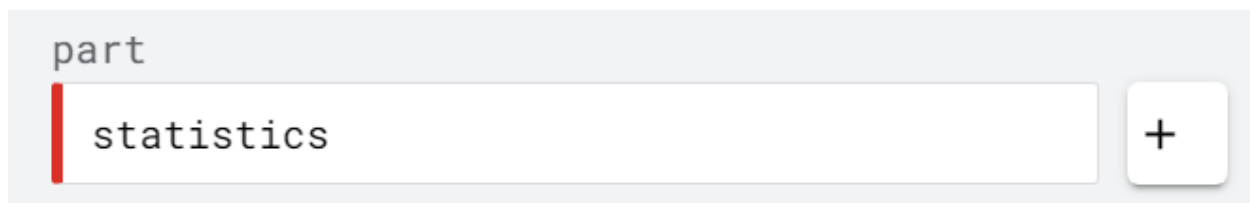A quick demonstration of how data is retrieved by using YouTube's Data API

[YouTube Data API | Google for Developers](#)

Select Reference and you'll be met with a list of data categories on the left panel.

To retrieve information about a channel, select channel > list. Expand on the "Try this method" panel that'll appear on the right side of the screen.

Parting by statistics lets the API know what type of data you'd like to retrieve, in this case statistics on a specific channel.

HTTP request and response:

```
GET
https://youtube.googleapis.com/youtube/v3/channels?part=statistics&forUsern
ame=thekubzscouts&key=[YOUR_API_KEY] HTTP/1.1

Authorization: Bearer [YOUR_ACCESS_TOKEN]
Accept: application/json
```
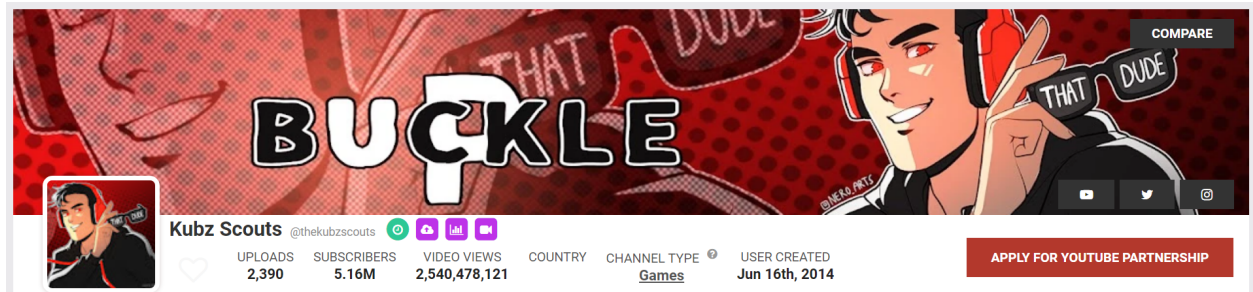
```
{
  "kind": "youtube#channelListResponse",
  "etag": "bQQ6CYMqlsJkVMxgz6LK_KEtyas",
  "pageInfo": {
    "totalResults": 1,
    "resultsPerPage": 5
  },
  "items": [
    {
      "kind": "youtube#channel",
      "etag": "b7k0pRU2n58Pm7q3Tj_sUDT3YtM",
      "id": "UCZBY6V8Lxmwu8gGRBOyO11w",
      "statistics": {
        "viewCount": "2540478121",
        "subscriberCount": "5160000",
        "hiddenSubscriberCount": false,
        "videoCount": "2391"
      }
    }
  ]
}
```

As you can see, the API request asks for statistics for the channel with the username *thekubzscouts* along with an API key. In the case of the YouTube API, it is uniquely generated.

We're able to receive information such as the view count, subscriber count, subscriber count status, and view count. This information could be used to build a webpage to display it. Such as the website Social Blade.

This website can display information about a user's history on multiple social media platforms throughout time.

Different APIs will have different documentation for overall this is the process for obtaining data.