

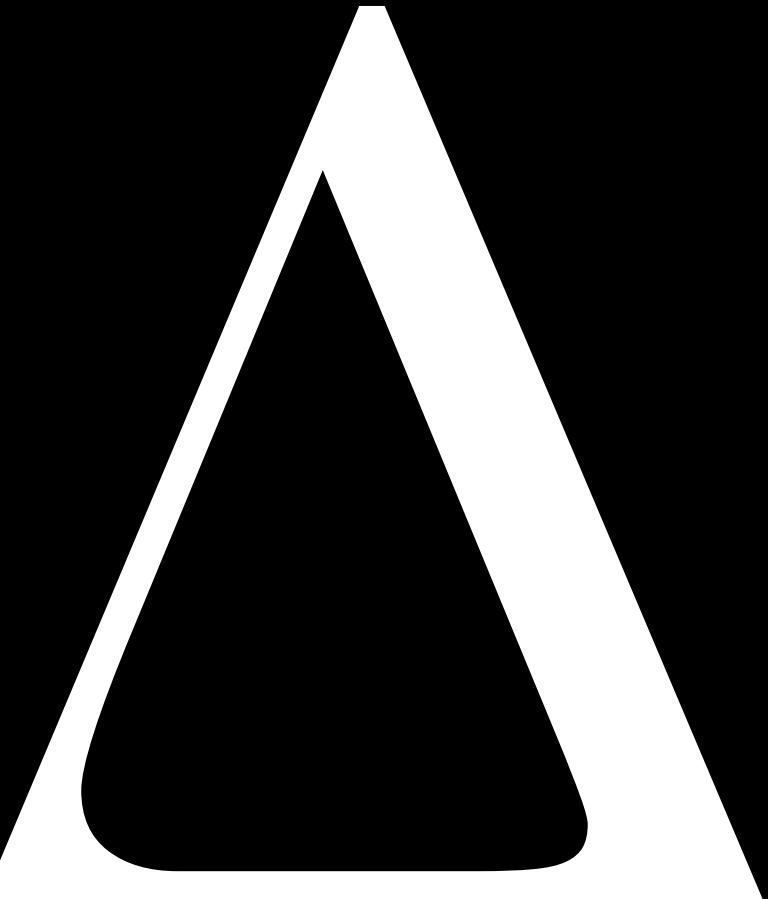
Team Delta

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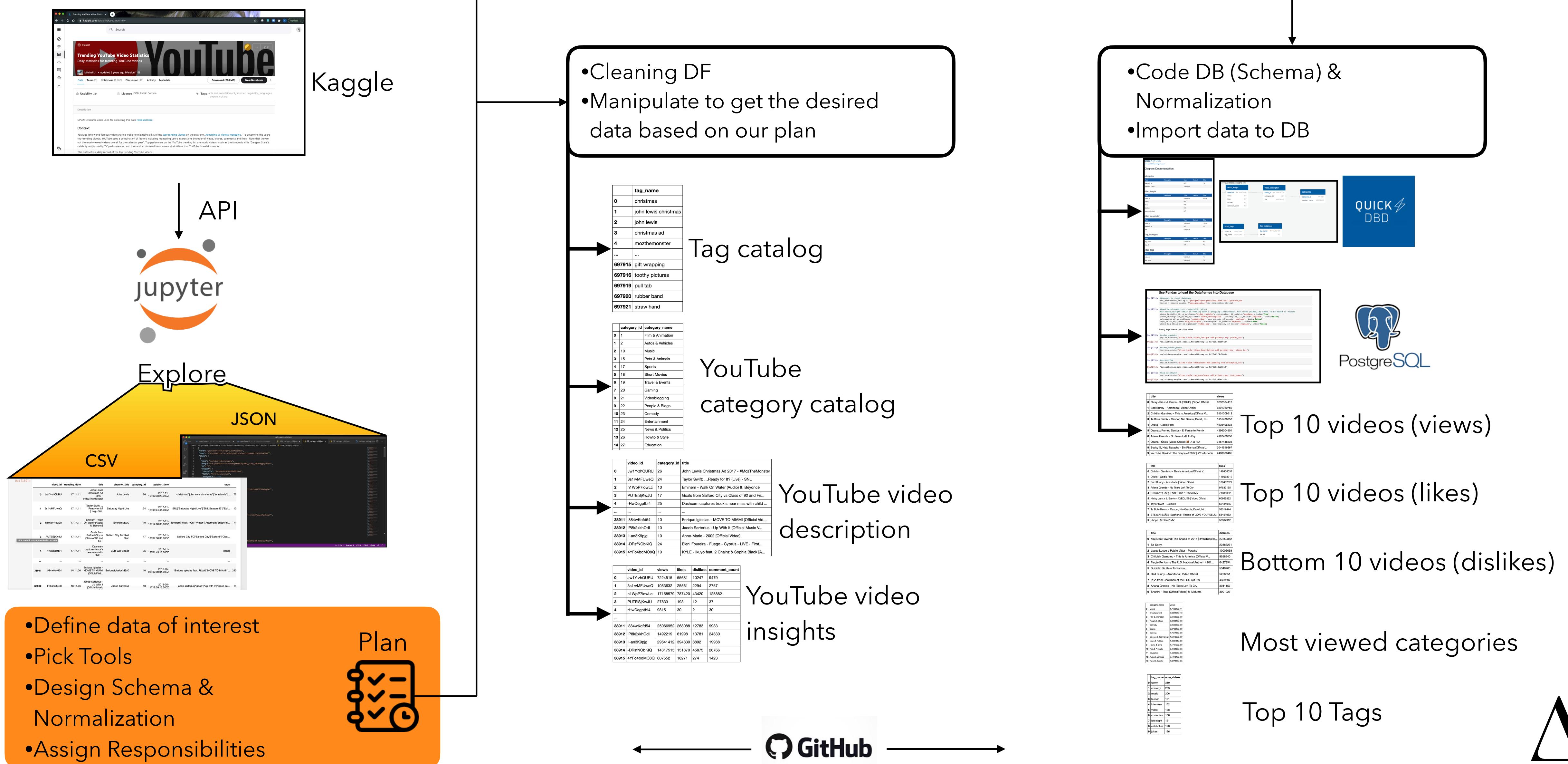


The Challenge & The Dataset

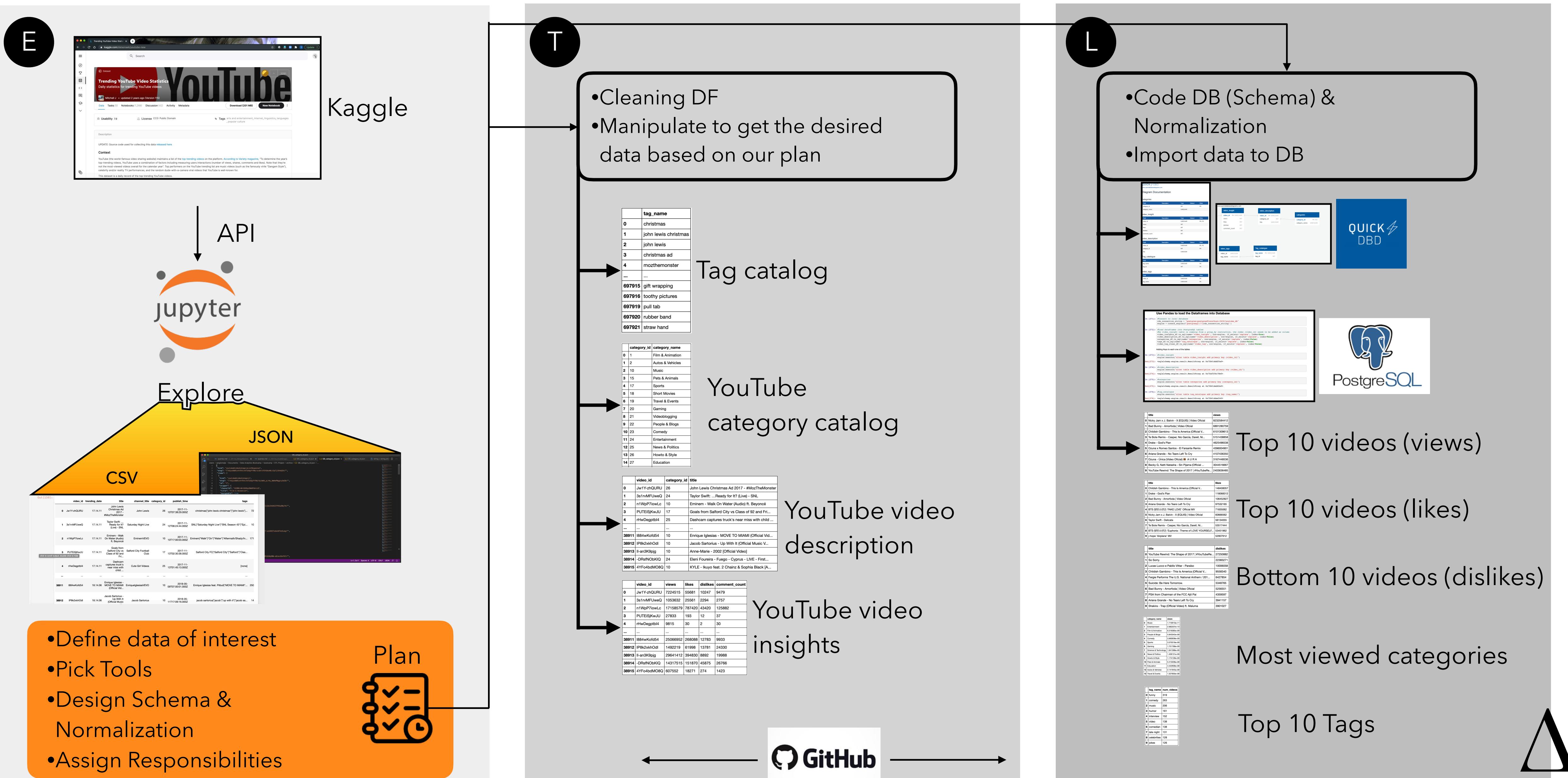
- As part of the ETL Challenge, we decided to work on a Youtube Dataset found in Kaggle.
- The dataset is called 'Trending YouTube Video Statistics':
 - YouTube maintains a list of the top trending videos on the platform
 - In order to determine which videos are trending, YouTube uses a combination of factors including user interactions (number of views, shares, comments and likes)
 - The dataset includes two different files for each country served:
 - CSV File containing video id, name, comments, tags, etc.
 - JSON File containing video category id and category title
- Originally we downloaded the files, however, Kaggle has an API that can be used to extract the data ... (Which we used)
- You can find the dataset here:
 - <https://www.kaggle.com/datasnaek/youtube-new>
 - Project goal: Transform the given datasets to simplify user consumption through queries based on tags, likes, dislikes, views & category id.



Our Process



Our Process



Challenges and Learning Experiences

- As part of the ETL Challenge, we decided to work on a Youtube Dataset found in Kaggle.
- The dataset is called 'Trending YouTube Video Statistics':
 - YouTube maintains a list of the top trending videos on the platform
 - In order to determine which videos are trending, YouTube uses a combination of factors including user interactions (number of views, shares, comments and likes)
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Detailed Report

EXTRACT

Step by Step details: Extraction from Kaggle

```
In [1]: #Set up command lines with terminal tool
# This project need data set in Kaggle for this is necessary to install kaggle
!pip install kaggle
#Also reference in:
#https://github.com/Kaggle/kaggle-api documents and
#and https://www.youtube.com/watch?v=gkEbaMgvLs8
```

```
In [2]: # Kaggle requires to ensure kaggle.json (API token file) is in the location ~/.kaggle/kaggle.json to use the API
# You have to create an account or and API token in your account. This will download a fresh authentication token onto your machine (kaggle.json)
#Copy your token to downloads to the folder of kaggle (~./kaggle)
!cp -'your path download file kaggle.json' -'new path ~./kaggle'

cp: illegal option -- y
usage: cp [-R [-H | -L | -P]] [-fi | -n] [-apvXc] source_file target_file
        cp [-R [-H | -L | -P]] [-fi | -n] [-apvXc] source_file ... target_directory
```

```
In [3]: #Check file kaggle is the ~./kaggle path
!cd {'new path ~./kaggle'} && ls
```

Dependencies

```
In [4]: #Other dependencies
import pandas as pd
import os
from os import walk
from sqlalchemy import create_engine
```

```
In [5]: #path to download
path_download=os.path.join('Resources')
```

Import dataset from Kaggle.com

```
In [6]: #this line uses the kaggle.json of your account and authenticate
from kaggle.api.kaggle_api_extended import KaggleApi
api=KaggleApi()
api.authenticate()
```

```
In [7]: # Download all files of a dataset
# Signature: dataset_download_files(dataset, path=None, force=False, quiet=True, unzip=False)
api.dataset_download_files('datasnaek/youtube-new', path=path_download, force=False, quiet=True, unzip=True)
#A simple file:#Signature: dataset_download_file(dataset, file_name, path=None, force=False, quiet=True)
```



Step by Step details:
Exploration and
Dataframe
formation in Pandas

Forming Data Frames in Pandas

```
In [8]: #files in the data set:  
files=[]  
for (dirpath, dirnames, filenames) in walk(path_download):  
    files.append(filenames)  
    print(filenames)  
  
['IN_category_id.json', 'MXvideos.csv', 'RU_category_id.json', 'JP_category_id.json', 'FR_category_id.json', 'INvideos.csv',  
'GB_category_id.json', 'DEvideos.csv', 'JPvideos.csv', 'KR_category_id.json', 'KRvideos.csv', 'CAvideos.csv', 'MX_category_id.  
json', 'RUvideos.csv', 'FRvideos.csv', 'CA_category_id.json', 'US_category_id.json', 'DE_category_id.json', 'USvideos.csv', 'G  
Bvideos.csv']  
  
In [9]: #Number of files of data base in kaggle  
len(files[0])  
  
Out[9]: 20  
  
In [10]: #Show the first file  
files[0][0]  
  
Out[10]: 'IN_category_id.json'  
  
In [11]: #Print all name files  
for file in range(len(files[0])):  
    print(files)  
  
[['IN_category_id.json', 'MXvideos.csv', 'RU_category_id.json', 'JP_category_id.json', 'FR_category_id.json', 'INvideos.csv',  
'GB_category_id.json', 'DEvideos.csv', 'JPvideos.csv', 'KR_category_id.json', 'KRvideos.csv', 'CAvideos.csv', 'MX_category_id.  
json', 'RUvideos.csv', 'FRvideos.csv', 'CA_category_id.json', 'US_category_id.json', 'DE_category_id.json', 'USvideos.csv', 'G  
Bvideos.csv']]  
[['IN_category_id.json', 'MXvideos.csv', 'RU_category_id.json', 'JP_category_id.json', 'FR_category_id.json', 'INvideos.csv',  
'GB_category_id.json', 'DEvideos.csv', 'JPvideos.csv', 'KR_category_id.json', 'KRvideos.csv', 'CAvideos.csv', 'MX_category_id.  
json', 'RUvideos.csv', 'FRvideos.csv', 'CA_category_id.json', 'US_category_id.json', 'DE_category_id.json', 'USvideos.csv', 'G  
Bvideos.csv']]
```

Step by Step details: Automating Extraction

```
In [12]: #Creating Country value, to know the position of GB videos csv file in array result from Kaggle results
#Setting Country as zero by default
Country = 0
```

```
In [13]: # read files in pandas
files_csv=[] #Create frame for csv files
files_json=[] #Create frame fo json files

for file in range(len(files[0])):
    file_path=f'{path_download}/{files[0][file]}'
    try:
        files_json.append(pd.read_json(file_path))
        print(f'{files[0][file]} with json')
    except:
        try:
            files_csv.append(pd.read_csv(file_path, encoding='utf-8-sig'))
            print(f'{files[0][file]} with encoding utf-8')
        except:
            files_csv.append(pd.read_csv(file_path, encoding='latin1'))
            print(f'{files[0][file]} with encoding latin')

#Assigning length of files_csv if GB csv file found
if files[0][file].find('GBvideos.csv')>-1:
    Country = len(files_csv)-1
```

IN_category_id.json with json
MXvideos.csv with encoding latin
RU_category_id.json with json
JP_category_id.json with json
FR_category_id.json with json
INvideos.csv with encoding utf-8
GB_category_id.json with json
DEvideos.csv with encoding utf-8
JPvideos.csv with encoding latin
KR_category_id.json with json
KRvideos.csv with encoding latin
CAvideos.csv with encoding utf-8
MX_category_id.json with json
RUvideos.csv with encoding latin
FRvideos.csv with encoding utf-8
CA_category_id.json with json
US_category_id.json with json
DE_category_id.json with json
USvideos.csv with encoding utf-8
GBvideos.csv with encoding utf-8



Step by Step details: JSON

```
In [15]: files_json[0].head(1)
```

Out[15]:	kind	etag	items
0	youtube#videoCategoryListResponse	"XI7nbFXulYBipL0ayR_gDh3eu1k/1v2mrzYSYG6onNLt2...	{"kind": "youtube#videoCategory", "etag": "'XI...'"}

```
In [16]: print(len(files_csv))
```

```
10
```

```
In [17]: files_csv[0].head(1)
```

Out[17]:	video_id	trending_date	title	channel_title	category_id	publish_time	tags	views	likes	dislikes	comment_count	thumb...
0	SbOwzAl9ZfQ	17.14.11	Capítulo 12 MasterChef 2017	MasterChef 2017	24	2017-11-13T06:06:22.000Z	MasterChef Junior 2017 "TV Azteca" "recetas" "...	310130	4182	361	1836	https://i...

```
In [28]: files_json[Country]['items'][0]
```

```
Out[28]: {'kind': 'youtube#videoCategory',
          'etag': '"ld9biNPKjAjgjV7EZ4EKeEGrhao/Xy1mB4_yLrHy_BmKmPBggty2mZQ"',
          'id': '1',
          'snippet': {'channelId': 'UCBR8-60-B28hp2BmDPdntcQ',
                      'title': 'Film & Animation',
                      'assignable': True}}
```



Step by Step

details:

CSV

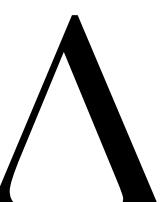
	video_id	trending_date	title	channel_title	category_id	publish_time	tags	views	likes	dislikes	comment_count	thumbnail_link	comments_disabled	ratings_disabled	video_error_or_removed	description
8522	--uXQQ0h-yQ	17.26.12	Paul McCartney - Pipes of Peace	PonteFractus	24	2008-11-24T17:59:52.000Z	ww1 "great" "war" "trenches" "tommies"	26299	234	3	11	https://i.ytimg.com/vi/--uXQQ0h-yQ/default.jpg	False	False	False	Paul McCartney - Pipes of Peace
9984	--uXQQ0h-yQ	18.02.01	Paul McCartney - Pipes of Peace	PonteFractus	24	2008-11-24T17:59:52.000Z	ww1 "great" "war" "trenches" "tommies"	28725	253	3	12	https://i.ytimg.com/vi/--uXQQ0h-yQ/default.jpg	False	False	False	Paul McCartney - Pipes of Peace
8327	--uXQQ0h-yQ	17.25.12	Paul McCartney - Pipes of Peace	PonteFractus	24	2008-11-24T17:59:52.000Z	ww1 "great" "war" "trenches" "tommies"	24723	216	3	10	https://i.ytimg.com/vi/--uXQQ0h-yQ/default.jpg	False	False	False	Paul McCartney - Pipes of Peace
9145	--uXQQ0h-yQ	17.29.12	Paul McCartney - Pipes of Peace	PonteFractus	24	2008-11-24T17:59:52.000Z	ww1 "great" "war" "trenches" "tommies"	27689	243	3	11	https://i.ytimg.com/vi/--uXQQ0h-yQ/default.jpg	False	False	False	Paul McCartney - Pipes of Peace
8938	--uXQQ0h-yQ	17.28.12	Paul McCartney - Pipes of Peace	PonteFractus	24	2008-11-24T17:59:52.000Z	ww1 "great" "war" "trenches" "tommies"	27413	241	3	11	https://i.ytimg.com/vi/--uXQQ0h-yQ/default.jpg	False	False	False	Paul McCartney - Pipes of Peace
...	
37050	zxwfDlhJlpw	18.03.06	kanye west / charlamagne interview	Kanye West	22	2018-05-01T15:57:06.000Z	Kanye West "YEEZY" "Kanye" "Charlamagne" "The ...	8579665	167841	19615	48621	https://i.ytimg.com/vi/zxwfDlhJlpw/default.jpg	False	False	False	NaN
35864	zxwfDlhJlpw	18.27.05	kanye west / charlamagne interview	Kanye West	22	2018-05-01T15:57:06.000Z	Kanye West "YEEZY" "Kanye" "Charlamagne" "The ...	8473031	166781	19493	48494	https://i.ytimg.com/vi/zxwfDlhJlpw/default.jpg	False	False	False	NaN
36035	zxwfDlhJlpw	18.28.05	kanye west / charlamagne interview	Kanye West	22	2018-05-01T15:57:06.000Z	Kanye West "YEEZY" "Kanye" "Charlamagne" "The ...	8486581	166889	19506	48506	https://i.ytimg.com/vi/zxwfDlhJlpw/default.jpg	False	False	False	NaN
37215	zxwfDlhJlpw	18.04.06	kanye west / charlamagne interview	Kanye West	22	2018-05-01T15:57:06.000Z	Kanye West "YEEZY" "Kanye" "Charlamagne" "The ...	8596449	168026	19640	48633	https://i.ytimg.com/vi/zxwfDlhJlpw/default.jpg	False	False	False	NaN
34034	zxwfDlhJlpw	18.16.05	kanye west / charlamagne interview	Kanye West	22	2018-05-01T15:57:06.000Z	Kanye West "YEEZY" "Kanye" "Charlamagne" "The ...	8295147	165136	19295	48115	https://i.ytimg.com/vi/zxwfDlhJlpw/default.jpg	False	False	False	NaN



Step by Step details: Tags

In [46]:	pd.DataFrame(files_csv[Country]['tags'].value_counts())
Out[46]:	
	[none]
	James Corden "The Late Late Show" "Colbert" "late night" "late night show" "Stephen Colbert" "Comedy" "monologue" "comedian" "impressions" "celebrities" "Show" "Corden" "joke" "jokes" "funny" "funny video" "funny videos" "humor" "celebrity" "celeb" "hollywood" "famous"
	BIGHIT "빅히트" "방탄소년단" "BTS" "BANGTAN" "방탄"
	ABC "americanidol" "idol" "american idol" "ryan" "seacrest" "ryan seacrest" "katy" "perry" "katy perry" "luke" "bryan" "luke bryan" "lionel" "richie" "lionel richie" "XVI" "television" "ad" "spring" "2018" "music" "reality" "competition" "song" "sing" "audition" "auditions" "performance" "live" "fox" "AI" "hollywood" "contestant" "week" "hometown audition"
	The Late Show "Stephen Colbert" "Colbert" "Late Show" "celebrities" "late night" "talk show" "skits" "bit" "monologue" "The Late Late Show" "Late Late Show" "letterman" "comedian" "impressions" "CBS" "joke" "jokes" "funny" "funny video" "funny videos" "humor" "celebrity" "celeb" "hollywood" "famous" "James Cord
	...
	Demi "Lovato" "addiction" "live" "interview" "memoir" "mental" "health" "Dianna" "de" "la" "Garza"
	jimmy "kimmel" "live" "late" "night" "talk" "show" "funny" "comedic" "comedy" "clip" "comedian" "charles" "barkely" "philadelphia" "eagles" "super" "bowl" "los" "barkley" "philadelphia eagles" "super bowl"
	avengers infinity war best scenes "thor gets his hammer scene" "avengers infinity scenes" "avengers infinity war" "thor scenes" "Thor get its axe"
	rudy mancuso maia mitchell magic official music video "rudy" "mancuso" "maia" "mitchell" "magic" "official" "music" "video" "racist superman" "domino" "new" "Bieber" "Alesso" "King Bach" "lelepons" "hannahstocking" "rudymancuso" "inanna" "anwar" "sarkis" "shots" "shotsstudios" "alesso" "anitta" "brazil"
	tim "westwood" "tv" "freestyle" "crib" "sessions" "capital" "xtra" "rap" "hip" "hop" "grime" "throwback" "tbt" "bryson tiller" "R&B" "trapsoul" "God Tiller" "dont" "khaled" "true to self" "set it off" "sza"

3122 rows × 1 columns



TRANSFORM

Step by Step details: Catalog Creation

Transform activities

Transforming extracted data to get the following DataFrames:

- Tag catalog
- YouTube Video category catalog
- YouTube Video description (video id, category id, video name, link)
- YouTube Video insights (likes, dislikes, # of views, category id)
- Tag - video id normalization relationship table: containing all video ids and their corresponding tag ids

Tag catalog & Tag normalization table

Tag Normalization table

```
In [56]: #We create a df with video ID and tag reference  
video_tag_df = files_csv[Country][['video_id','tags']]  
video_tag_df.sort_values(by='video_id')
```

Out[56]:

	video_id	tags
8522	--uXQQ0h-yQ	ww1 "great" "war" "trenches" "tommies"
9984	--uXQQ0h-yQ	ww1 "great" "war" "trenches" "tommies"
8327	--uXQQ0h-yQ	ww1 "great" "war" "trenches" "tommies"
9145	--uXQQ0h-yQ	ww1 "great" "war" "trenches" "tommies"
8938	--uXQQ0h-yQ	ww1 "great" "war" "trenches" "tommies"
...
37050	zxwfDIhJIpw	Kanye West "YEEZY" "Kanye" "Charlamagne" "The ...
35864	zxwfDIhJIpw	Kanye West "YEEZY" "Kanye" "Charlamagne" "The ...
36035	zxwfDIhJIpw	Kanye West "YEEZY" "Kanye" "Charlamagne" "The ...
37215	zxwfDIhJIpw	Kanye West "YEEZY" "Kanye" "Charlamagne" "The ...
34034	zxwfDIhJIpw	Kanye West "YEEZY" "Kanye" "Charlamagne" "The ...

38916 rows × 2 columns

Data cleaning: removing duplicates, NaN records and '[none]' value



Step by Step details:
Exploration and
Dataframe
formation in Pandas

Tag catalog

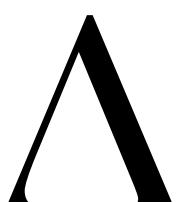
```
In [65]: #Creating Tag catalog using tags list
tags_df = pd.DataFrame({
    'tag_name': tags
})

#Removing duplicated records
tags_df.drop_duplicates(keep='first', inplace=True)
#Removing nan records
tags_df = tags_df.dropna()
tags_df
```

Out[65]:

	tag_name
0	christmas
1	john lewis christmas
2	john lewis
3	christmas ad
4	mozthemonster
...	...
64760	gift wrapping
64761	toothy pictures
64764	pull tab
64765	rubber band
64766	straw hand

31881 rows × 1 columns



Step by Step details:
Exploration and
Dataframe
formation in Pandas

YouTube video category catalog

In [66]:

```
#To create YouTube video category, we need to iterate on items value from JSON file
#Categories are stored in array, which will be used to create YouTube video category DataFrame
categories_ids = []
categories = []

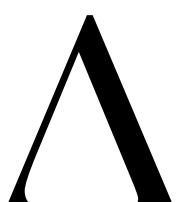
for category in files_json[Country]['items']:
    #print(category['snippet']['title'])
    categories_ids.append(category['id'])
    categories.append(category['snippet']['title'])

categories_df = pd.DataFrame( {
    'category_id': categories_ids,
    'category_name': categories
})

categories_df
```

Out[66]:

	category_id	category_name
0	1	Film & Animation
1	2	Autos & Vehicles
2	10	Music
3	15	Pets & Animals
4	17	Sports
5	18	Short Movies
6	19	Travel & Events
7	20	Gaming
8	21	Videoblogging
9	22	People & Blogs
10	23	Comedy
11	24	Entertainment
12	25	News & Politics
13	26	Howto & Style
14	27	Education
15	28	Science & Technology



LOAD

Step by Step details:
Exploration and
Dataframe
formation in Pandas

Use Pandas to load the Dataframes into Database

```
In [73]: #Connect to local database
rds_connection_string = "postgres:***@localhost:5432/youtube_db"
engine = create_engine(f'postgresql:///{rds_connection_string}')

In [74]: #Load DataFrames into PostgreSQL tables
#As video_insight table is comming from a group_by instruction, the index (video_id) needs to be added as column
video_insights_df.to_sql(name='video_insight', con=engine, if_exists='replace', index=True)
video_description_df.to_sql(name='video_description', con=engine, if_exists='replace', index=False)
categories_df.to_sql(name='categories', con=engine, if_exists='replace', index=False)
tags_df.to_sql(name='tag_catalogue', con=engine, if_exists='replace', index=False)
video_tag_clean_df.to_sql(name='video_tag', con=engine, if_exists='replace', index=False)
```

Adding Keys to each one of the tables

```
In [75]: #video_insight
engine.execute("alter table video_insight add primary key (video_id)")

Out[75]: <sqlalchemy.engine.result.ResultProxy at 0x7f9f25524190>
```

```
In [76]: #video_description
engine.execute("alter table video_description add primary key (video_id)")

Out[76]: <sqlalchemy.engine.result.ResultProxy at 0x7f9f25524370>
```

```
In [77]: #categories
engine.execute("alter table categories add primary key (category_id)")

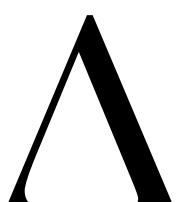
Out[77]: <sqlalchemy.engine.result.ResultProxy at 0x7f9f24a967c0>
```

```
In [78]: #tag_catalogue
engine.execute("alter table tag_catalogue add primary key (tag_name)")

Out[78]: <sqlalchemy.engine.result.ResultProxy at 0x7f9f24a966a0>
```

```
In [79]: #video_tag
engine.execute("alter table video_tag add primary key (video_id,tag_name)")

Out[79]: <sqlalchemy.engine.result.ResultProxy at 0x7f9f24a96bb0>
```



Step by Step details:
Exploration and
Dataframe
formation in Pandas

Queries

Using SQLAlchemy to explore data

```
In [80]: import sqlalchemy
from sqlalchemy.ext.automap import automap_base
from sqlalchemy.orm import Session
from sqlalchemy import create_engine, func, Column, Integer, String, Float, Table
from sqlalchemy.sql.expression import cast
```

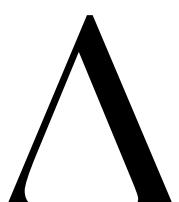
```
In [81]: Base = automap_base()
Base.prepare(engine, reflect=True)
```

```
In [82]: # We can view all of the classes that automap found
Base.classes.keys()
```

```
Out[82]: ['video_tag',
'video_insight',
'video_description',
'categories',
'tag_catalogue']
```

```
In [83]: #References to each one of the tables
Video_Insight = Base.classes.video_insight
Video_Description = Base.classes.video_description
Categories = Base.classes.categories
Tag_Catalogue = Base.classes.tag_catalogue
Video_Tag = Base.classes.video_tag
```

```
In [84]: # Create our session (link) from Python to the DB
session = Session(bind=engine)
```



Step by Step details:
Exploration and
Dataframe
formation in Pandas

Top 10 videos (more views)

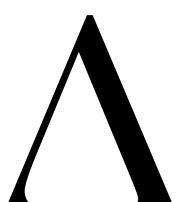
It shows the top 10 videos in Great Britain

```
In [85]: #Getting the order by desc of 'views' column
top_videos = (session.query(Video_Description.title, Video_Insight.views).join(Video_Description,
                                         Video_Insight.video_id == Video_Description.video_id)
                                         .order_by(Video_Insight.views.desc()).limit(10))

#Convert it to DataFrame to display results
top_videos_df = pd.read_sql(top_videos.statement, engine )
top_videos_df
```

Out[85]:

	title	views
0	Nicky Jam x J. Balvin - X (EQUIS) Video Oficial	8232584412
1	Bad Bunny - Amorfoda Video Oficial	6891280759
2	Childish Gambino - This Is America (Official V...	6101309613
3	Te Bote Remix - Casper, Nio García, Darell, Ni...	5151438858
4	Drake - God's Plan	4625496538
5	Ozuna x Romeo Santos - El Farsante Remix	4396004901
6	Ariana Grande - No Tears Left To Cry	4107436350
7	Ozuna - Única (Video Oficial) 🐻 A U R A	3167448536
8	Becky G, Natti Natasha - Sin Pijama (Official ...	3044516667
9	YouTube Rewind: The Shape of 2017 #YouTubeRe...	2403636485



Step by Step details:

Likes

	title	likes
0	Childish Gambino - This Is America (Official V...	148408057
1	Drake - God's Plan	118068312
2	Bad Bunny - Amorfoda Video Oficial	106452827
3	Ariana Grande - No Tears Left To Cry	97532165
4	BTS (방탄소년단) 'FAKE LOVE' Official MV	71835062
5	Nicky Jam x J. Balvin - X (EQUIS) Video Oficial	60666562
6	Taylor Swift - Delicate	56134055
7	Te Bote Remix - Casper, Nio García, Darell, Ni...	53517444
8	BTS (방탄소년단) 'Euphoria : Theme of LOVE YOURSELF...' MV	53451962
9	j-hope 'Airplane' MV	52907912

Dislikes

	title	dislikes
0	YouTube Rewind: The Shape of 2017 #YouTubeRewind	27250882
1	So Sorry.	22383271
2	Lucas Lucco e Pabllo Vittar - Paraíso	10006058
3	Childish Gambino - This Is America (Official V...	9558340
4	Fergie Performs The U.S. National Anthem / 201...	6427854
5	Suicide: Be Here Tomorrow.	5348765
6	Bad Bunny - Amorfoda Video Oficial	5256551
7	PSA from Chairman of the FCC Ajit Pai	4359597
8	Ariana Grande - No Tears Left To Cry	3941157
9	Shakira - Trap (Official Video) ft. Maluma	3901027

Most Viewed Categories

	category_name	views
0	Music	1.710913e+11
1	Entertainment	2.982207e+10
2	Film & Animation	8.319385e+09
3	People & Blogs	5.843342e+09
4	Comedy	3.960938e+09
5	Sports	3.370319e+09
6	Gaming	1.751768e+09
7	Science & Technology	1.641388e+09
8	News & Politics	1.409131e+09
9	Howto & Style	1.174128e+09
10	Pets & Animals	5.413206e+08
11	Education	4.442906e+08
12	Autos & Vehicles	2.141845e+08
13	Travel & Events	1.327850e+08



Step by Step details:

Top Ten Tags

	tag_name	num_videos
0	funny	319
1	comedy	263
2	music	206
3	humor	161
4	interview	152
5	video	138
6	comedian	138
7	late night	131
8	celebrities	128
9	jokes	126

Videos with Random Chosen Tags

	title	tag_name
0	JRE MMA Show #11 with John Danaher	comedian
1	Hawaii's Weekend Missile Mishap	comedian
2	Amy Schumer Is Ready to Host the Best SNL Yet	comedian
3	Christina Aguilera Carpool Karaoke - Extended Cut	comedian
4	New Hulu Show - SNL	comedian
...
416	Tony Awards The Musical Starring Sara Bareille...	late night
417	Niecy Nash Has A Prince Story	late night
418	Shawn Mendes: Perfectly Wrong #LateLateShow	late night
419	Hilary Duff Is Having a Baby Girl and Her Son ...	late night
420	Drop the Mic w/ Ashton Kutcher & Sean Diddy Combs	late night

