moviedb_posters

May 2, 2018

```
In [1]: import os
        import sys
        import json
        import requests
        import pandas as pd
        import numpy as np

In [ ]: tmp = pd.read_csv('/Applications/MAMP/htdocs/output.csv',sep=';')
        df = tmp[['movieId','tmdbId']]

In [ ]: df["poster"] = ""
        df.head()

In [ ]: payload = "{}"
        key = "ffaaa1ee77bee0d071c0a25df83b2567"
        l=len(df.index)

        for idx, row in df.iterrows():
            if (len(df.loc[idx,'poster'])==0):
                url="https://api.themoviedb.org/3/movie/"+str(df.loc[idx,'tmdbId'])+"?api_key='
                response = requests.request("GET", url, data=payload)
                p = json.loads(response.text)
                try:
                    poster_path = p["poster_path"]
                except:
                    print(df.loc[idx,:])
                    print(p)
                    poster_path = ""
                if (poster_path != "" and poster_path is not None):
                    poster = "http://image.tmdb.org/t/p/w200/" + poster_path
                    df.loc[idx,'poster'] = poster
            if (idx % 1000) == 0:
                print(str(idx) + "/" + str(l))

In [ ]: # count rows without poster url
        df.eq("").sum(axis=0)

In [ ]: result = pd.merge(tmp,df.loc[df["poster"]!=""], on='tmdbId')[["tmdbId","poster"]]
        result.eq("").sum(axis=0)
```

```
In [ ]: result.to_csv("posters.csv", sep=';', encoding='utf-8')

In [ ]: print(len(result.index)-len(df.index))

In [3]: tmp = pd.read_csv('/Applications/MAMP/htdocs/output.csv',sep=';')
        tmp2 = pd.read_csv('/Users/celarno/posters.csv',sep=';')

        merge = pd.merge(tmp,tmp2, on='tmdbId')[["title","year","genres","rating","imdbId","tmd
        merge.head()

Out[3]:                             title     year                    genres  rating  \
        0                       Toy Story  1995.0      Animation|Comedy|Family     7.8
        1                          Jumanji  1995.0  Adventure|Children|Fantasy     7.0
        2                 Grumpier Old Men  1995.0              Romance|Comedy     6.5
        3                Waiting to Exhale  1995.0        Comedy|Drama|Romance     6.0
        4  Father of the Bride Part II  1995.0                      Comedy     5.8

            imdbId  tmdbId                                              poster
        0   114709     862  http://image.tmdb.org/t/p/w200//rhIRbceoE9lR4v...
        1   113497    8844  http://image.tmdb.org/t/p/w200//vgpXmVaVyUL7GG...
        2   113228   15602  http://image.tmdb.org/t/p/w200//6ksm1sjKMFLbO7...
        3   114885   31357  http://image.tmdb.org/t/p/w200//16XOMpEaLWkrcP...
        4   113041   11862  http://image.tmdb.org/t/p/w200//e64sOI48hQXyru...

In [4]: merge.to_csv("movies_py.csv", sep=';', encoding='utf-8')
```