Google Trends Data Collector Installation Guide

1. Install python version 3.12.2 -

   https://www.python.org/downloads/release/python-3122/

2. Install PostgreSQL version 16

   https://www.postgresql.org/download/

3. run $ *cp config/db_template.yml config/db.yml*

   Enter your username, password, database name, and the port number

4. run $ *cp .env_template .env*

   This stores the apis keys required for the system to work, as well as other sensitive info like email info.

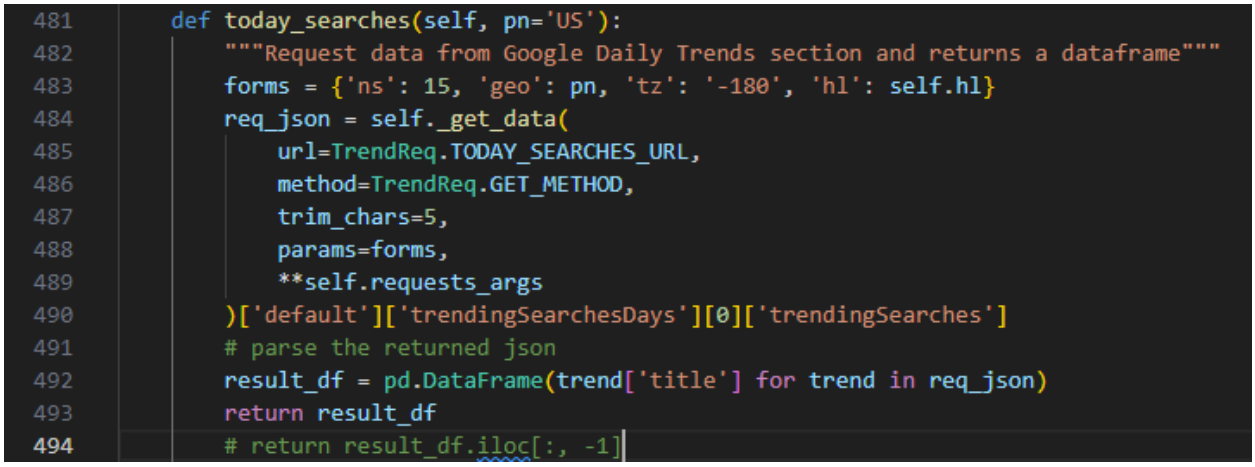
5. Run $ *pip install - r requirements.txt*

6. Alter the pytrends api to change the data received from google

   A. Go to *input/google_trends_fetcher.py*

   B. Go to line 138 in the function *fetch_today_searches*

   C. Depending on what IDE (VS code recommended) you are using right click on the *today_searches* function being called on the pytrends object, click go to definition which will take you to a file called *requests.py*



```
481     def today_searches(self, pn='US'):
482         """Request data from Google Daily Trends section and returns a dataframe"""
483         forms = {'ns': 15, 'geo': pn, 'tz': '-180', 'hl': self.hl}
484         req_json = self._get_data(
485             url=TrendReq.TODAY_SEARCHES_URL,
486             method=TrendReq.GET_METHOD,
487             trim_chars=5,
488             params=forms,
489             **self.requests_args
490         )['default']['trendingSearchesDays'][0]['trendingSearches']
491         # parse the returned json
492         result_df = pd.DataFrame(trend['title'] for trend in req_json)
493         return result_df
494         # return result_df.iloc[:, -1]
```

D. In requests.py comment out or remove *return result_df.iloc[:, -1]*

And just return result_df

result_df.iloc[:,-1] extracts and returns only the last column of the DataFrame as a Series.

result_df returns the entire DataFrame with all its columns and rows.