Requirements:

https://github.com/alirezamika/autoscraper

```
input query: api.somesite.com/ - Fast API script / Autoscraper

POST parameters: {"url": "https://www.google.co.uk/search or

https://www.google.com/search etc....", :"location":"Kansas City, MO", query": "search
text here", "api_key": "key from ENV - For request checks", "id":"some id sent in body
params - for user request checks"} - feeds into script
```

Step 1. Pull Google result from query through proxies - Autoscraper

```
Autoscraper url setup:

from autoscraper import AutoScraper

url = 'https://www.google.com/search?q={{query}}&near={{location}}'

Proxies
proxies = {
    "http": 'http://127.0.0.1:8001',
    "https": 'https://127.0.0.1:8001',
}

result = scraper.build(url, wanted_list, request_args=dict(proxies=proxies))
```

Wanted_list dictionary: organic results: urls "position":1 "title": "The Best 10 Electricians in Austin, Texas - Yelp" "link": "https://www.yelp.com/search?cflt=electricians&find_loc=Austin%2C+TX" "position":2 "title": "Austin Electricians | Fox Service Company" "link": "https://www.foxservice.com/electrical/" https://www.ystp.com - Austin, TX - Home Services : The Best 10 Electricians in Austin, Texas - Yelp Best Electricians in Austin, TX - Malco Electric, Raptor Electrical Services, ATX Electrical ... Services, Texas Electrical Services, ATX Electrical ... Austin Electricians | Fox Service Company Our licensed Austin-area electricians provide a full range of consulting with us today and receive a free estimate! Top 10 Best Electrician in Austin, TX - Angie's List Recent Electrician Reviews in Austin ; IES Texas Solar - Aurellen P. ; K.L. Turner Electric, Inc. - Ji... 大水東京 Rating: 4,5 - 30,190 reviews Top 25 Electricians - Austin TX with Reviews - HomeAdvisor Results 1 - 25 of 69 — Hire the Best Electricians in Austin, TX on HomeAdvisor. We Have 2374 Hom **** Rating: 4.8 - 2,374 reviews Austin, TX Electrician | SALT Home Services professional Electrical services ices today at (512) 956-7842. Residential Electrician Austin | Electrical Wiring And Repair local results: "local_results" "more locations link": "https://www.google.com/search?tbs=lf:1,lf ui:14&tbm=lcl&q=electricians&rflfq=1&nu ${\tt m=10\&uule=w+CAIQICIaQXVzdGluLFRleGFzLFVuaXR1ZCBTdGF0ZXM\&sa=X\&ved=2ahUKEwiCpqePt6b6AhVBQzABHbNtCtgQjGp6BA}$ gSEAE" "places" "position":1 "title": "Mister Sparky of Austin" "website" "https://www.google.com/aclk?sa=1&ai=DChcSEwjtqbGPt6b6AhXBxIYKHRrQAhoYABAHGgJ 2dQ&ae=2&sig=AOD64_0YTpXDqcLDSyxeSVQF11PccXuNw&q=&ctype=99&ved=2ahUKEwiCpqePt6b6AhVBQzABHbNtCtgQhKwBegQIChAN&adurl=" "position":2 "title": "Sparks Electrician" "place id":"4454007927888987962" Mister Sparky of Austin + Ad - 4.9 * * * * (94) - Electrician H-E-B HERITAGE 0 8868 Research Blvd - (479) 318-0132 First Choice Electricia Open 24 hours OLD WEST AUSTIN GENTRAL AUSTIN Sparks Electrician

4.7 * * * * * (39) - Electrician Austin, TX - (904) 569-9091 Open 24 hours

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562) 800-4124 Ipen 24 hours 0

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JUDGE'S HILL at Austin
Peace

History Museum

NORTH SIDE

FOSTER HEIGHTS

Sparks Electri

WEST END
Texas Capitol DISTRICT
DOWNTOWN Waterlies Park
AUSTIN
FINANCIAL

The Contemporary FINANCIAL bin Jones Genter DISTRICT

Museum of the Word WAREHOUSE DISTRICT

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4.8 ★★★★★ · See reviews
                                          4.8 **** - See reviews
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GOOGLE GUARANTEED
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Serves Austin
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related questions:

People also ask : What are the 4 types of electricians? What are the two types of electrician? What types of electrician are there? What are the 3 main categories of an electrician?

This contains all the relevant info to run our analysis

Step 2. Capture all of the paragraph and all H1-H4 for each page (urls from step 1)

Step 3. Page Title N-gram Analysis

Count the occurrence of N-Grams in the header tags of the pages we are analyzing. paragraph content in a 'dictionary'? Well, at the same time we also saved all H1-H4 tags in another dictionary. You can see this in the third call of the script:

The output is a count of the occurrence of two- and three-word phrases in the header on ranking pages:

outputs: ['titles...', 'count']

Step 4: save all wanted_list in supabase

Libraries:

https://github.com/nltk/nltk

https://github.com/explosion/spaCy

https://github.com/supabase-community/supabase-py