

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.yelp.com - Austin, TX - Home Services

The Best 10 Electricians in Austin, Texas - Yelp

Best Electricians in Austin, TX - Malco Electric, Raptor Electrical Services, Electric Connection Services, Texas Electrical Services, ATX Electrical ...

https://www.foxservice.com - electrical

Austin Electricians | Fox Service Company

Our licensed Austin-area electricians provide a full range of residential electrical services. Start consulting with us today and receive a free estimate!

https://www.angi.com - ... - Electricians - TX - Austin

Top 10 Best Electrician in Austin, TX - Angie's List

5 days ago —

Recent Electrician Reviews in Austin: JES Texas Solar - Aurelien P., K.L. Turner Electric, Inc. - J.L.

★★★★★ Rating: 4.5 - 35,190 reviews

https://www.homeadvisor.com - ... - Texas - Austin

Top 25 Electricians - Austin TX with Reviews - HomeAdvisor

Results 1 - 25 of 89 —

Hire the Best Electricians in Austin, TX on HomeAdvisor: We Have 2374 Homeowner Reviews &...

★★★★★ Rating: 4.8 - 2,374 reviews

https://callsalt.com - Electrical Service Area

Austin, TX Electrician | SALT Home Services

For professional Electrical services in Austin, TX, call the expert Electricians at SALT Home Services today at (512) 956-7842.

https://dummanelectric.com - electrician-residential

Residential Electrician Austin | Electrical Wiring And Repair

Dumman Electric provides professional residential electrician services to homeowners in the Austin, Round Rock, Georgetown, and San Marcos areas.

local results:

- "local_results":
{

"more_locations_link": "https://www.google.com/search?tbs=lf:1,lf_ui:14&tbm=lc1&q=electricians&rflfq=1&num=10&uule=w+CAIQIClaQXVzdGluLFRleGFzLFVuaXR1ZCBTdGF0ZXM&sa=X&ved=2ahUKewiCpqePt6b6AhVBQzABHbNtCtgQjGp6BAgSEAE",

"places":
{

"position": 1,

"title": "Mister Sparky of Austin",

"website": "https://www.google.com/ac1k?sa=1&ai=DChcSEwjtbGpT6b6AhXBxIYKHRrQAhOYABAHGgJ2dQ&ae=2&sig=AOD64_0YTPxDqcLDSyx-eSVQF1lPccXuNw&q=&ctype=99&ved=2ahUKewiCpqePt6b6AhVBQzABHbNtCtgQhKwBegQIChAN&adur1="

"position": 2,

"title": "Sparks Electrician",

"place_id": "4454007927888987962",

"position": 3,

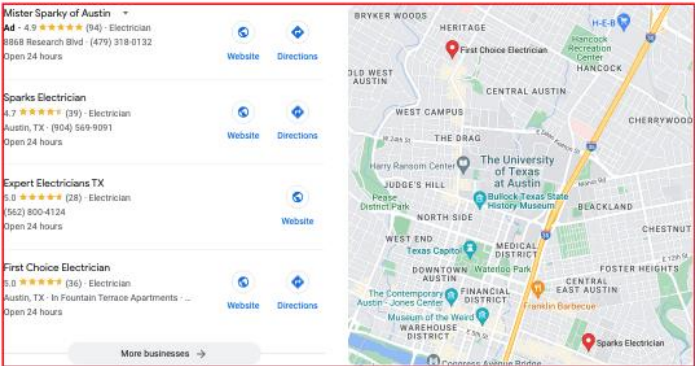
"title": "Expert Electricians TX",

"place_id": "4454007927888987962",

"position": 4,

"title": "First Choice Electrician",

"place_id": "4454007927888987962",



local ads:

- **"link"**: "https://www.google.com/localservices/prolist?g2lbs=AL1YbFvBRySpZzBT826D1yG4p_dkMwGEpIYK-v-k_ectDaF__FBBWkX_KTzwQFUDotHw3HrfTjowFxFJ92Qe-iqjUSO5Q_2TPJQ%3D%3D&hl=en-US&gl=us&ssta=1&src=1&gsas=1&slp=Or8GQ2hNSTdhbXhqN2VtLwdJVndjU0dDaDBhMEFJYUUVyOEJDQVFRQVJvTUNNYkF5UDhDRVBuNnJ0RUUpJTmUzaVFzcXBRRUpfelhKWTJQRnB6OFJtQkxCSV8zMTdEOFPiN3htRnVWNW9q0GhBQUFBd01tRTlMOHBBQUFBQUoweThMOHhfe1hKWTJQRnB6ODViN3htRnVWNW9q0UixREZKeTJmQzZqQ0UoxREZKeTJmQzZqQ0VJfe1hKWTJQRnB6OVpBQUFBd0FKSTU30WhBQUFBUBAwcjlqQXBBQUFBUUtOU3p6OXhYewZDOGNiNk1qOTVYewZDOGNiNk1qLUJBUUBFBUQ9EQWZBckFpUUVBQUFCQTJGY1R3SkVCQUFBQW9Bc09zajhTdmfFSUJJCQUNHZ3NjbDQtUWZCRG96THFzQ1NDS3k0OFFLcVVCQ1o0dwtlNjM3cHdfRVZrVudRZmx6T3NfR2NhbTAtc0wySk1fSVFBQUFHQVNwdmVfS1FBQUFDQW12X1NfTVdvTWgzVGpDNk1fT2V6dFdjVjNRWm9fUVV1JYmNDN05jdwtfU1hvbXFjdjFrDwtfvVoo0dwtlNjM3cHdfV1FBQUFFQ1dhLW1fWVFBQUFNQTJMX01fYVFBQUFJRGP0c3dfY1JuZ25DS3NxeTRfZVZPekRrMXpERDBfZ1FFQUFBQ2d5eFFId01rQkFBQUFnRFRtRmNDUkFRQUFBRUIwbThFX0VyOEJDQVFRQXhvTUNLMkdncHdCRUxqMXhiQUUpJTfBhMGhRcXBRRUpkV0xKcjjTWG1UOFJVNXXZhMUTZMjVUOFpWbE42eUFcaGtEOGhBQUFBNERDy1iOHBBQUFBd0NwMTliOHhMUNadZ1tYW9UODU4MHk1Qm5HQ2xqOUJzU3RrXNwtOODEVOUPDaUJYeFY5MjVEOVJkV0xKcjjTWG1UOVpBQUFBd0FKSTU30WhBQUFBd0ZnQzFUOXBBQUFBQU9TNhp6OXhsNFFya2VQdU1UOTVTMFJ1eDl6YU1qLUJBUUBFBUFCQm1nckFpUUVBQUFDZ0cxRvd3SkVCQUFBQU1Gc2tMejhZcmVLQWxwb1FHSW0wek91b0VCandwZHI5bVJB&spp=EusEChIIxsDI_wIQ-fquQ0kY_8evoCUSLHhjYXQ6c2VydmljZV9hcmVhX2J1c2luZXNzX2VsZWNOcm1jaWFuOmVuLVVTQhMI7amxj7em-
gIVwcSGCh0a0AiaSARQAWKNBApnl2FjbGs_c2E9TCZhaT1EQ2hjU0V3anRxYkdQdDZiNkFowEJ4SV1LSFJyUUFob1b1BQkFnr2dKMMRRJnNpZz1BT0Q2NF8xdG1LSFG1T1BaNGgtNvpISVZjMgtrWHhQa1R3JmFkdXJSPRJnL2FjbGs_c2E9TCZhaT1EQ2hjU0V3anRxYkdQdDZiNkFowEJ4SV1LSFJyUUFob1b1BQkFSR2dKMMRRJnNpZz1BT0Q2NF8xm2RCZkI3d0x4QVZFUxwRTZnck02MHB0c1ZRJmFkdXJSPRpnL2FjbGs_c2E9TCZhaT1EQ2hjU0V3anRxYkdQdDZiNkFowEJ4SV1LSFJyUUFob1b1BQkFJR2dKMMRRJnNpZz1BT0Q2NF8xTE1SNEjsWVFTZFFVQnF10Exvd1F1cEk4M1VRJmFkdXJSPSPnl2FjbGs_c2E9TCZhaT1EQ2hjU0V3anRxYkdQdDZiNkFowEJ4SV1LSFJyUUFob1b1BQkFvR2dKMMRRJnNpZz1BT0Q2NF8wdVhra3kxVDVYckU2LTRtMXvNkE5bwtKV1NBjMfkdXJSPQ%3D%3D&sc=Cix4Y2F00nN1cnZpY2VfYXJ1YV9idXNpbmVzc191bGVjdHJpY2lhb3p1bi1VUxIcGhIjLWPMoJm1RIYRetVp1EtGm10iBkF1c3RpbioKRWx1Y3RyYWVhbnA%3D%3D&q=electricians",
■ **"rating"**: 4.8,
■ **"rating_count"**: 1632,
■ **"badge"**: "GOOGLE GUARANTEED",
■ **"service_area"**: "Serves Austin",
■ **"hours"**: "Open 24/7",
■ **"years_in_business"**: "19 years in business",
■ **"phone"**: "+15127906564"
- **"link"**: "https://www.google.com/localservices/prolist?g2lbs=AL1YbFXysNkX3MUrnuk1046D2Fy0-P96v51P0KiiDgqSa9uS-1ofTe_4FWfbizj1PP4Eva9WvC8RVuorWbP2h15Qnr3KeQWe1g%3D%3D&hl=en-US&gl=us&ssta=1&src=1&gsas=1&slp=Or8GQ2hNSTdhbXhqN2VtLwdJVndjU0dDaDBhMEFJYUUVyOEJDQVFRQVJvTUNNYkF5UDhDRVBuNnJ0RUUpJTmUzaVFzcXBRRUpfelhKWTJQRnB6OFJtQkxCSV8zMTdEOFPiN3htRnVWNW9q0GhBQUFBd01tRTlMOHBBQUFBQUoweThMOHhfe1hKWTJQRnB6ODViN3htRnVWNW9q0UixREZKeTJmQzZqQ0UoxREZKeTJmQzZqQ0VJfe1hKWTJQRnB6OVpBQUFBd0FKSTU30WhBQUFBUBAwcjlqQXBBQUFBUUtOU3p6OXhYewZDOGNiNk1qOTVYewZDOGNiNk1qLUJBUUBFBUQ9EQWZBckFpUUVBQUFCQTJGY1R3SkVCQUFBQW9Bc09zajhTdmfFSUJJCQUNHZ3NjbDQtUWZCRG96THFzQ1NDS3k0OFFLcVVCQ1o0dwtlNjM3cHdfRVZrVudRZmx6T3NfR2NhbTAtc0wySk1fSVFBQUFHQVNwdmVfS1FBQUFDQW12X1NfTVdvTWgzVGpDNk1fT2V6dFdjVjNRWm9fUVV1JYmNDN05jdwtfU1hvbXFjdjFrDwtfvVoo0dwtlNjM3cHdfV1FBQUFFQ1dhLW1fWVFBQUFNQTJMX01fYVFBQUFJRGP0c3dfY1JuZ25DS3NxeTRfZVZPekRrMXpERDBfZ1FFQUFBQ2d5eFFId01rQkFBQUFnRFRtRmNDUkFRQUFBRUIwbThFX0VyOEJDQVFRQXhvTUNLMkdncHdCRUxqMXhiQUUpJTfBhMGhRcXBRRUpkV0xKcjjTWG1UOFJVNXXZhMUTZMjVUOFpWbE42eUFcaGtEOGhBQUFBNERDy1iOHBBQUFBd0NwMTliOHhMUNadZ1tYW9UODU4MHk1Qm5HQ2xqOUJzU3RrXNwtOODEVOUPDaUJYeFY5MjVEOVJkV0xKcjjTWG1UOVpBQUFBd0FKSTU30WhBQUFBd0ZnQzFUOXBBQUFBQU9TNhp6OXhsNFFya2VQdU1UOTVTMFJ1eDl6YU1qLUJBUUBFBUFCQm1nckFpUUVBQUFDZ0cxRvd3SkVCQUFBQU1Gc2tMejhZcmVLQWxwb1FHSW0wek91b0VCandwZHI5bVJB&spp=EuoEChEI14-QfBDoZLqsCRjQ35mtCRIseGNhdDpzZXJ2aWw1X2FyZWFFyYnVzaw51c3NfZWx1Y3RyYWVhbnA%3D%3D&q=electricians",
■ **"rating"**: 4.8,
■ **"rating_count"**: 1303,

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?	▼

Feedback

- 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>