

SALIDA ARCHIVO spaceflight_pipeline.py

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
PS C:\Users\deyvi.caicedo\Documents\GitHub\Prueba> & C:\Users\deyvi.caicedo\AppData\Local\anaconda3\python.exe c:\Users\deyvi.caicedo\Documents\GitHub\Prueba\spaceflight_pipeline.py
PS C:\Users\deyvi.caicedo\Documents\GitHub\Prueba> uvicorn spaceflight_pipeline:app --reload
INFO: Will watch for changes in these directories: ['C:\Users\deyvi.caicedo\Documents\GitHub\Prueba']
INFO: Uvicorn running on http://127.0.0.1:8000 (Press CTRL+C to quit)
INFO: Started reloader process [24200] using StatReloader
INFO: Started server process [12244]
INFO: Waiting for application startup.
INFO: Application startup complete.
[]
```

CONEXIÓN ESTABLECIDA Y DESCARGUE DE DATOS:

The screenshot shows a web browser window with the address bar displaying `127.0.0.1:8000/docs#/default/get_articles_articles_get`. Below the address bar is a REST client interface. At the top, there are two buttons: "Execute" (highlighted in blue) and "Clear". Under the "Responses" tab, the "Curl" section shows the command: `curl -X 'GET' \ 'http://127.0.0.1:8000/articles?limit=1000&offset=0' \ -H 'accept: application/json'`. The "Request URL" section shows `http://127.0.0.1:8000/articles?limit=1000&offset=0`. The "Server response" section shows a status code of 200. The "Response body" section displays a JSON object:

```
{
  "featured": false,
  "launches": [
    {
      "launch_id": "f9308f6c-9576-4543-b2df-f5c0304c6a90",
      "provider": "Launch Library 2"
    }
  ],
  "events": [],
  "category": "SpaceX"
},
{
  "id": 28463,
  "title": "NASA's Kennedy Marks New Chapter for Florida Space Industry",
  "author": "Jeff Foust",
  "url": "https://spacenews.com/top-house-science-committee-democrat-asks-nasa-for-information-on-executive-order-implementation/",
  "image_url": "https://i0.wp.com/spacenews.com/wp-content/uploads/2025/02/53690378935_2c93ca024f_k.jpg?fit=1024%2C678&quality=89&ssl=1",
  "news_site": "SpaceNews",
  "summary": "\n\nThe top Democrat on the House Science Committee is asking NASA for information on how it is complying with executive orders related to diversity measures.\n\nThe post",
  "published_at": "2025-02-04T20:25:24Z",
  "updated_at": "2025-02-04T20:30:16.039811Z",
  "featured": false,
  "launches": [],
  "events": [],
  "category": "NASA"
}
```

ARCHIVO JSON GENERADO :

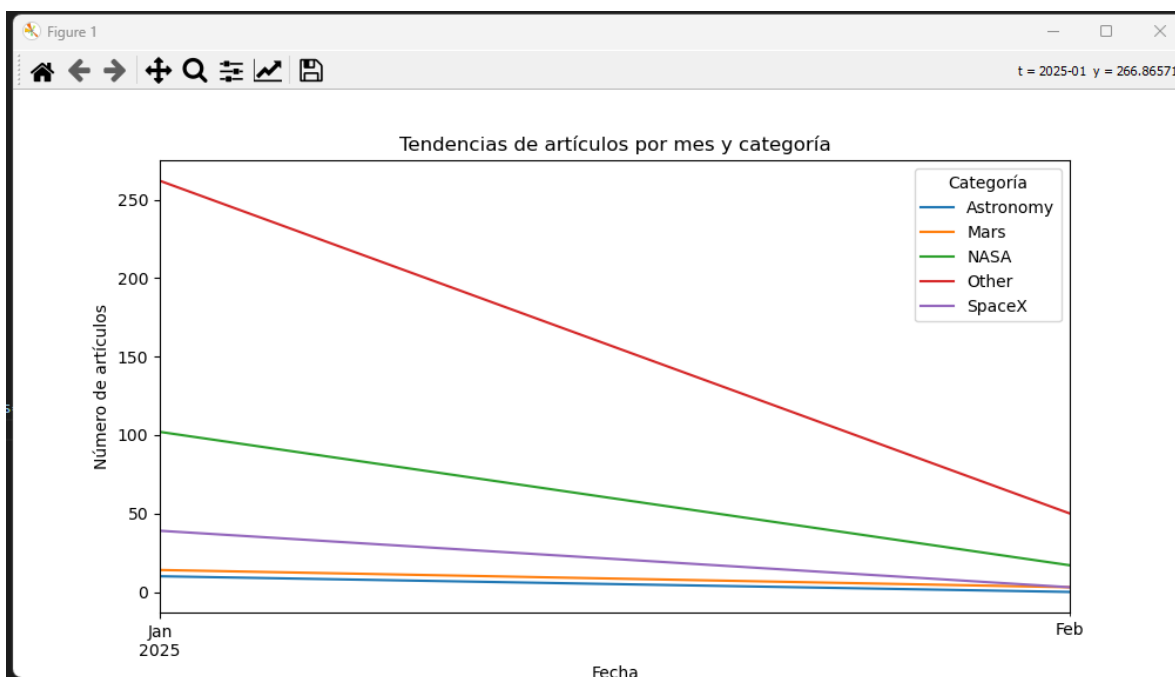
```
json_files > response_1738701028595.json > ...
1
2 {
3   "id": 29802,
4   "title": "Top House Science Committee Democrat asks NASA for information on executive order implementation",
5   "authors": [
6     {
7       "name": "Jeff Foust",
8       "socials": {
9         "x": "https://x.com/jeff_foust",
10        "youtube": "",
11        "instagram": "",
12        "linkedin": "https://www.linkedin.com/in/jefffoust",
13        "mastodon": "https://mastodon.social/@jfoust",
14        "bluesky": "https://bsky.app/profile/jfoust.bsky.social"
15      }
16    }
17  ],
18  "url": "https://spacenews.com/top-house-science-committee-democrat-asks-nasa-for-information-on-executive-order-implementation/",
19  "image_url": "https://i0.wp.com/spacenews.com/wp-content/uploads/2025/02/53690378935_2c93ca024f_k.jpg?fit=1024%2C678&quality=89&ssl=1",
20  "news_site": "SpaceNews",
21  "summary": "\n\nThe top Democrat on the House Science Committee is asking NASA for information on how it is complying with executive orders related to diversity measures.\n\nThe post",
22  "published_at": "2025-02-04T20:25:24Z",
23  "updated_at": "2025-02-04T20:30:16.039811Z",
24  "featured": false,
25  "launches": [],
26  "events": [],
27  "category": "NASA"
28 },
29 {
30   "id": 28999,
31   "title": "French space propulsion firm ThrustMe expands U.S. footprint",
32   "authors": [
33     {
34       "name": "Sandra Erwin",
35       "socials": null
36     }
37   ]
38 }
```

SALIDA ARCHIVO Análisis_Python.py

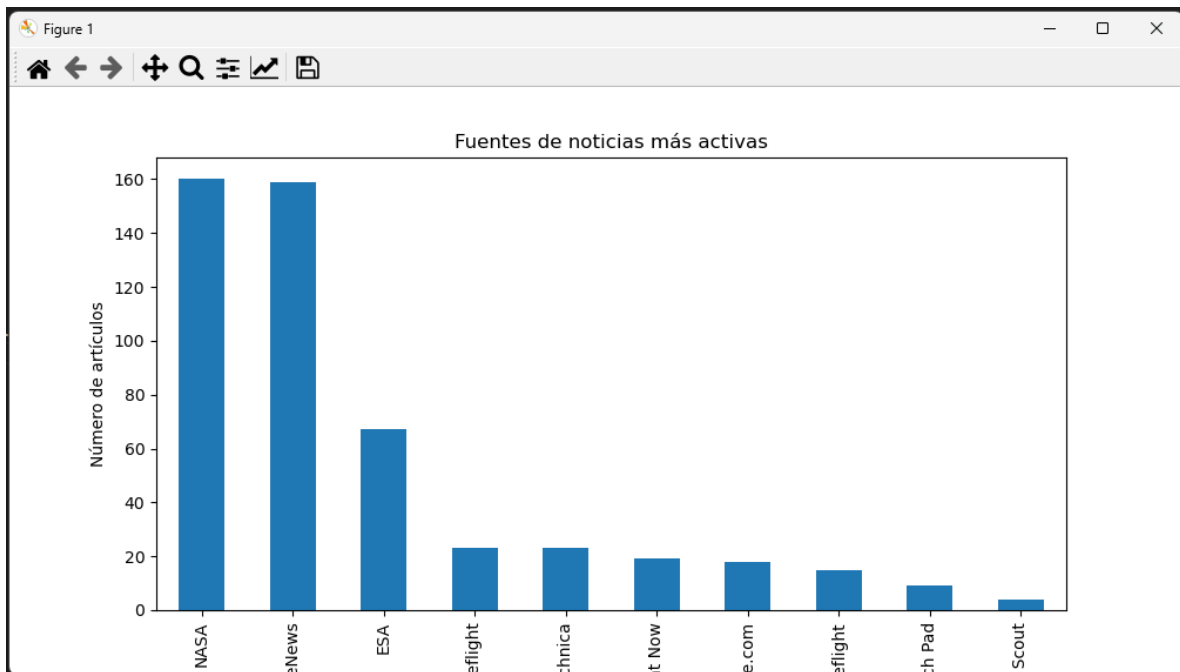
```
PS C:\Users\deyvi\Documents\GitHub\Pruebas & C:\Users\deyvi\Documents\GitHub\Pruebas\Python\me C:\Users\deyvi\Documents\GitHub\Pruebas\Python\me
Columnas del DataFrame: Index(['id', 'title', 'authors', 'url', 'image_url', 'news_site', 'summary',
                                'published_at', 'updated_at', 'featured', 'launches', 'events',
                                'category'],
                                dtype='object')
Primeras filas:
   id  title  authors  url  image_url  ...  updated_at  featured  launches  events  category
0  20802  Top House Science Committee Democrat asks NASA...  [{"name": "Jeff Foote", 'socials': {'x': 'http...  https://spacenews.com/top-house-science-committee-...  https://18-ap.com/spacenews.com/wp-content/upl...  ...  2025-02-04T12:30:26.859811  False  [ ]  [ ]  NASA
1  20899  French space propulsion firm ThrustMe expands ...  [{"name": "Sandra Erwin", 'socials': None}]  https://spacenews.com/french-space-propulsion-...  https://18-ap.com/spacenews.com/wp-content/upl...  ...  2025-02-04T12:10:24.520262  False  [ ]  [ ]  Other
2  20990  Bullseye!  [{"name": "NASA", 'socials': None}]  https://www.nasa.gov/image-article/bullseye/  https://www.nasa.gov/wp-content/uploads/2025/0...  ...  2025-02-04T12:10:20.848932  False  [ ]  [ ]  NASA
3  20994  Thales Alenia Space to Build Deirates Airlock ...  [{"name": "European Spaceflight", 'socials': 'E...  https://european-spaceflight.com/thales-alenia-...  https://european-spaceflight.com/wp-content/upl...  ...  2025-02-04T12:00:18.293562  False  [ ]  [ ]  NASA
4  20900  Thales Alenia Space Secures $90M Contract For...  [{"name": "Zac Aubert", 'socials': {'x': 'http...  https://tlpnetwork.com/news/europe/thales-alm...  https://cdn.tlpnetwork.com/articles/2025/17386...  ...  2025-02-04T12:10:33.572692  False  [ ]  [ ]  Other

[5 rows x 11 columns]
```

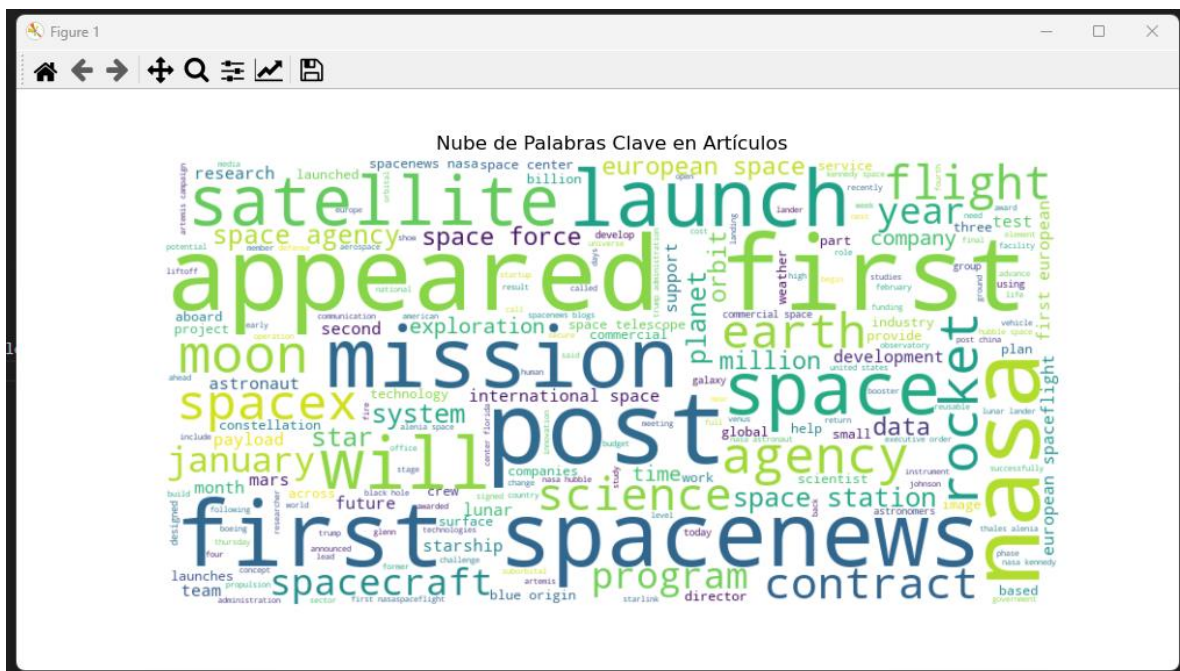
GRAFICA 1 :



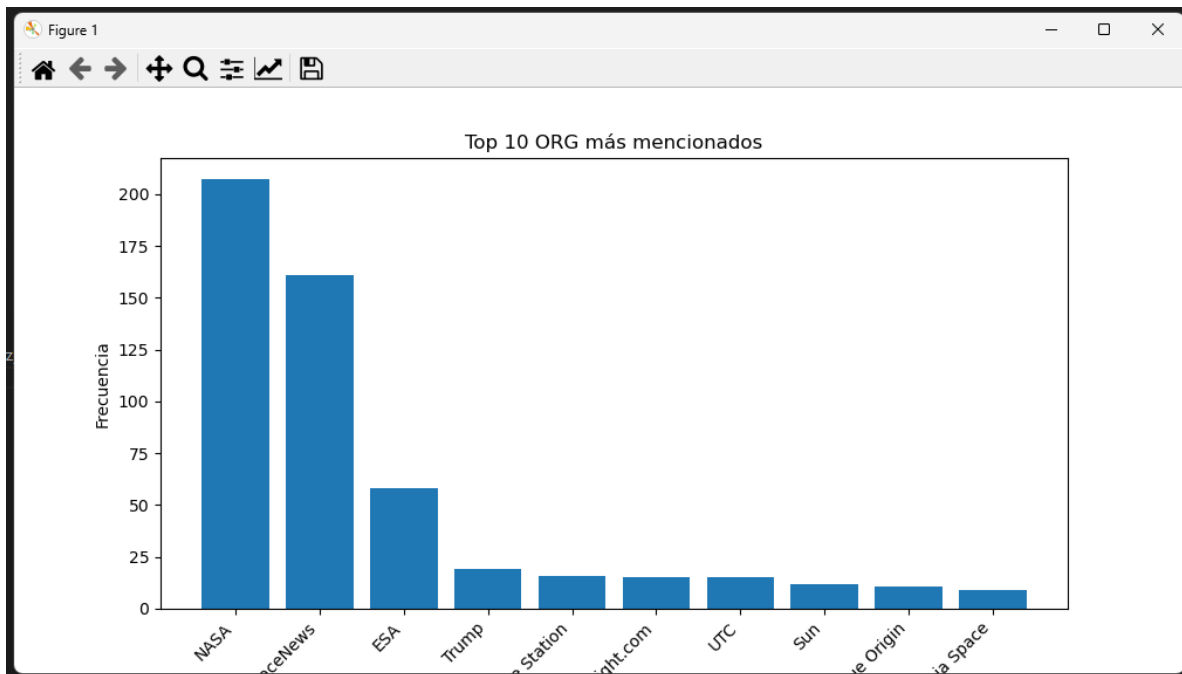
GRAFICA 2



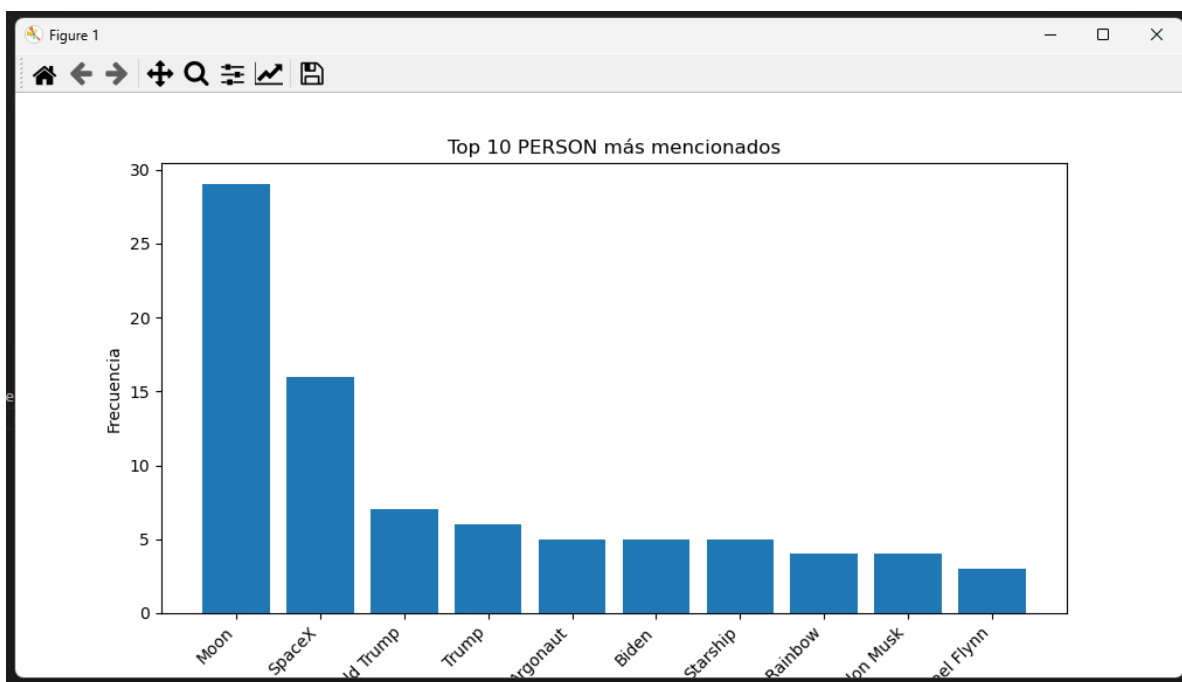
GRAFICA 3:



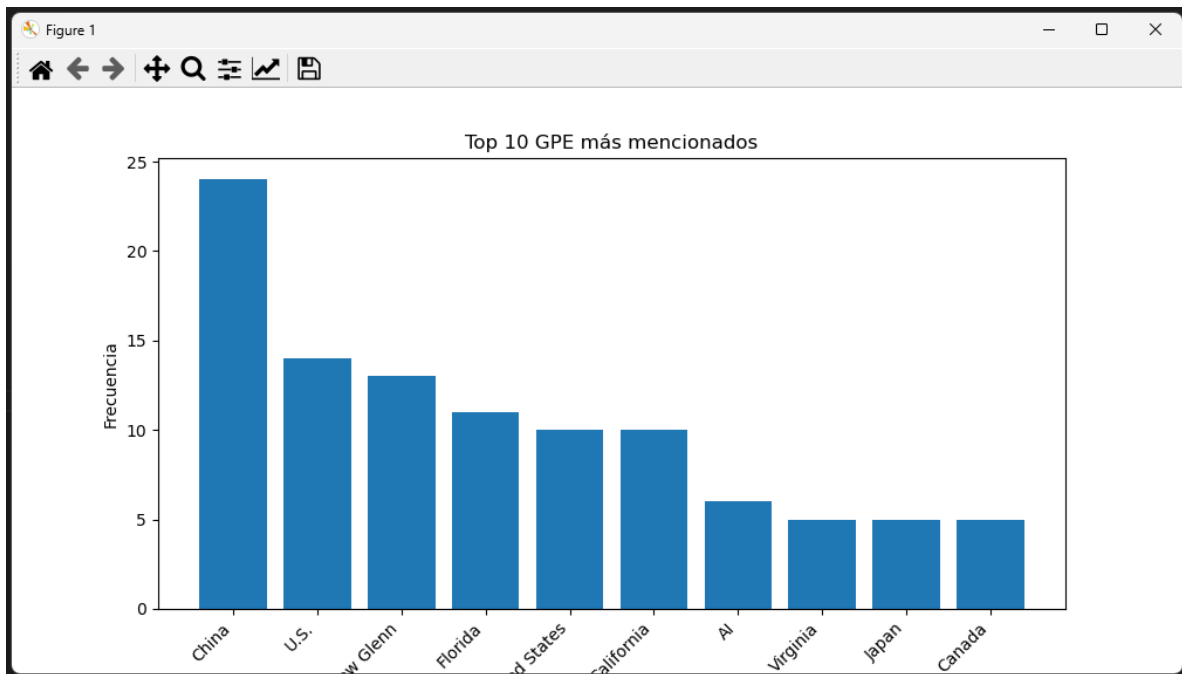
GRAFICA 4:



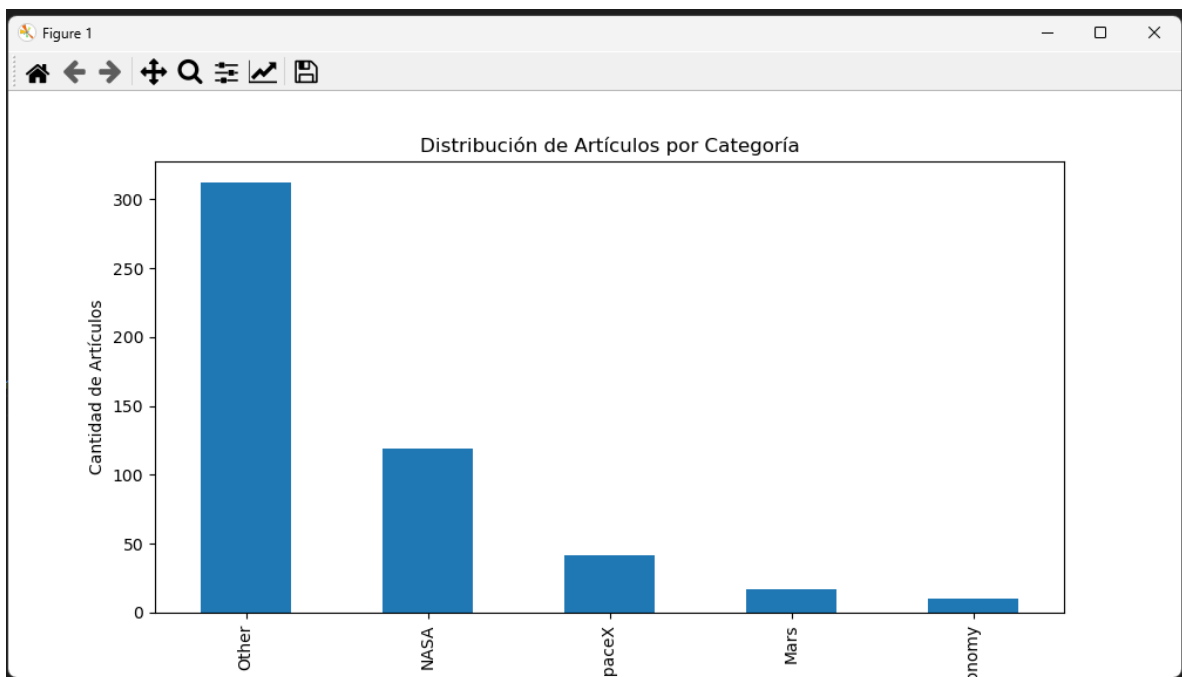
GRAFICA 5:



GRAFICA 6:



GRAFICA 7 :



SALIDA ARCHIVO querysSQL_sqlite3_pandas.py :

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

```
PS C:\Users\deyvi.caicedo\Documents\Github\Prueba> & C:/Users/deyvi.caicedo/AppData/Local/anaconda3/python.exe "C:/Users/deyvi.caicedo/Documents/Github/Prueba/queriesSQL _sqlite3_pandas.py"

✦ Tendencias de temas por mes:
  month  category  article_count
0  2025-02      Other             50
1  2025-02      NASA             17
2  2025-02    SpaceX              3
3  2025-02      Mars              3
4  2025-01      Other            262
5  2025-01      NASA            192
6  2025-01    SpaceX             30
7  2025-01      Mars             14
8  2025-01  Astronomy             10

✦ Fuentes más influyentes:
  news_site  total_articles
0        NASA             168
1    SpaceNews            159
2          ESA             67
3  European Spaceflight     23
4      Arstechnica          23
5  Spaceflight Now          19
6 SpacePolicyOnline.com     18
7  NASASpaceFlight          15
8    The Launch Pad          9
9      Space Scout           4
PS C:\Users\deyvi.caicedo\Documents\Github\Prueba>
```