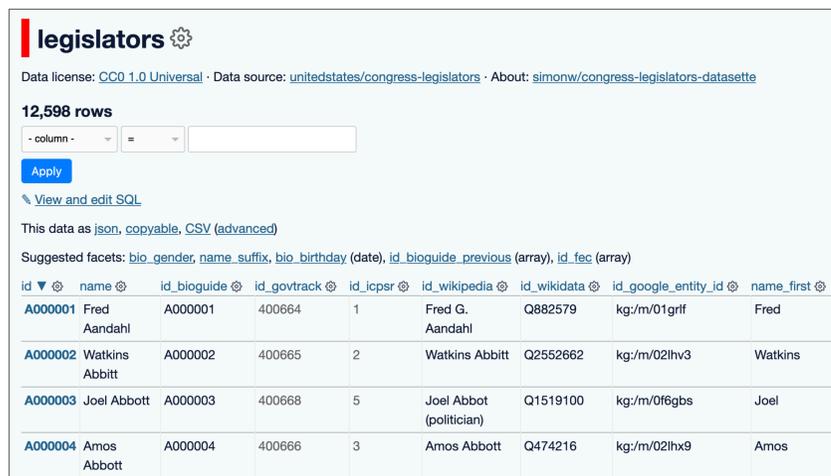


Datasette

An ecosystem of tools for finding stories in data

Datasette

Datasette is a tool for **exploring and publishing data**. It helps **data journalists** (and everyone else) take data of any shape, analyze and explore it, and publish it as an interactive website and accompanying API.



The screenshot shows the Datasette web interface for a table named 'legislators'. It displays 12,598 rows. The table has columns for id, name, id_bioguide, id_govtrack, id_icpsr, id_wikipedia, id_wikidata, id_google_entity_id, and name_first. The first four rows are visible:

id	name	id_bioguide	id_govtrack	id_icpsr	id_wikipedia	id_wikidata	id_google_entity_id	name_first
A000001	Fred Aandahl	A000001	400664	1	Fred G. Aandahl	Q882579	kg:/m/01grff	Fred
A000002	Watkins Abbitt	A000002	400665	2	Watkins Abbitt	Q2552662	kg:/m/02lhv3	Watkins
A000003	Joel Abbott	A000003	400668	5	Joel Abbot (politician)	Q1519100	kg:/m/0f6gbs	Joel
A000004	Amos Abbott	A000004	400666	3	Amos Abbott	Q474216	kg:/m/02lhx9	Amos

Datasette has **over 180 plugins** adding features for visualizing, editing and transforming data.

- datasette-cluster-map
- datasette-graphql
- datasette-publish-cloudrun
- datasette-comments
- datasette-query-assistant
- datasette-extract

datasette.io

sqlite-utils

sqlite-utils is a Python library and CLI tool for **manipulating SQLite databases**. It aims to make the gap from “I have data” to “that data is in SQLite” as small as possible.

```
from sqlite_utils import Database

db = Database("chickens.db")
db.table("chickens").insert_all([
    {"name": "Lila",
     "color": "blue"},
    {"name": "Suna",
     "color": "gold"},
    {"name": "Snowy",
     "color": "white"},
])

db.table("chickens").enable_fts(
    ["name", "color"]
)
```

And in the terminal:

```
sqlite-utils transform places.db \
  roadside_attractions \
  --rename pk id \
  --default name Untitled \
  --drop address
```

sqlite-utils.datasette.io

LLM

LLM is a Python library and CLI tool for **interacting with Large Language Models**. It provides a plugin-based abstraction over **hundreds** of different models, both local and hosted, and logs every interaction with them to SQLite.

LLMs are **proficient at SQL** and extremely good at **extracting structured data** from unstructured text, images and documents.

LLM's asyncio Python library powers several Datasette plugins, including **datasette-query-assistant**, **datasette-enrichments** and **datasette-extract**

```
llm -m claude-3.5-haiku --functions '
import re
def extract_numbers(s):
    return re.findall(
        r"(\d+(\.\d+)?)", s
    )
' -f https://datasette.io/ \
  'extract and explain numbers'
```

llm.datasette.io