

# Datasette

Exploring data in the browser

# What?

Datsette is a tool for exploring and publishing data. It helps people take data of any shape, analyze and explore it, and publish it as an interactive website and accompanying API.

Datsette is aimed at data journalists, museum curators, archivists, local governments, scientists, researchers and anyone else who has data that they wish to share with the world.

<https://datasette.io/>

# How?

- Web-browser based
- Uses (by default) sqlite databases
- [Run SQL queries](#) to obtain tabular data
- Tabular data can be displayed, plotted
- (via plugins) supports geospatial data
- [JSON API](#)
- Deploy on [local system](#), [Heroku](#) or [Google Cloud Run](#)
- Customizable via [settings](#)
- [Custom pages/templates](#)
- ...

# Get started

- pip install datasette
- But: at time of writing Pandas 2.x seems to be causing problems...
- Useful tools:
  - csvs-to-sqlite: turn CSV files into sqlite databases
  - geojson-to-sqlite: for ingesting GIS JSON data
  - datasette-vega: for inlining plots (bar, line, scatter)
  - datasette-cluster-map: for cluster maps of GIS data
- Minimal (useful) requirements:  
datasette pandas<2.0.0 click<8.0 datasette-vega==0.6.2 csvs-to-sqlite==1.3 geojson-to-sqlite==1.1.1

# Demo

Let's give it a go!