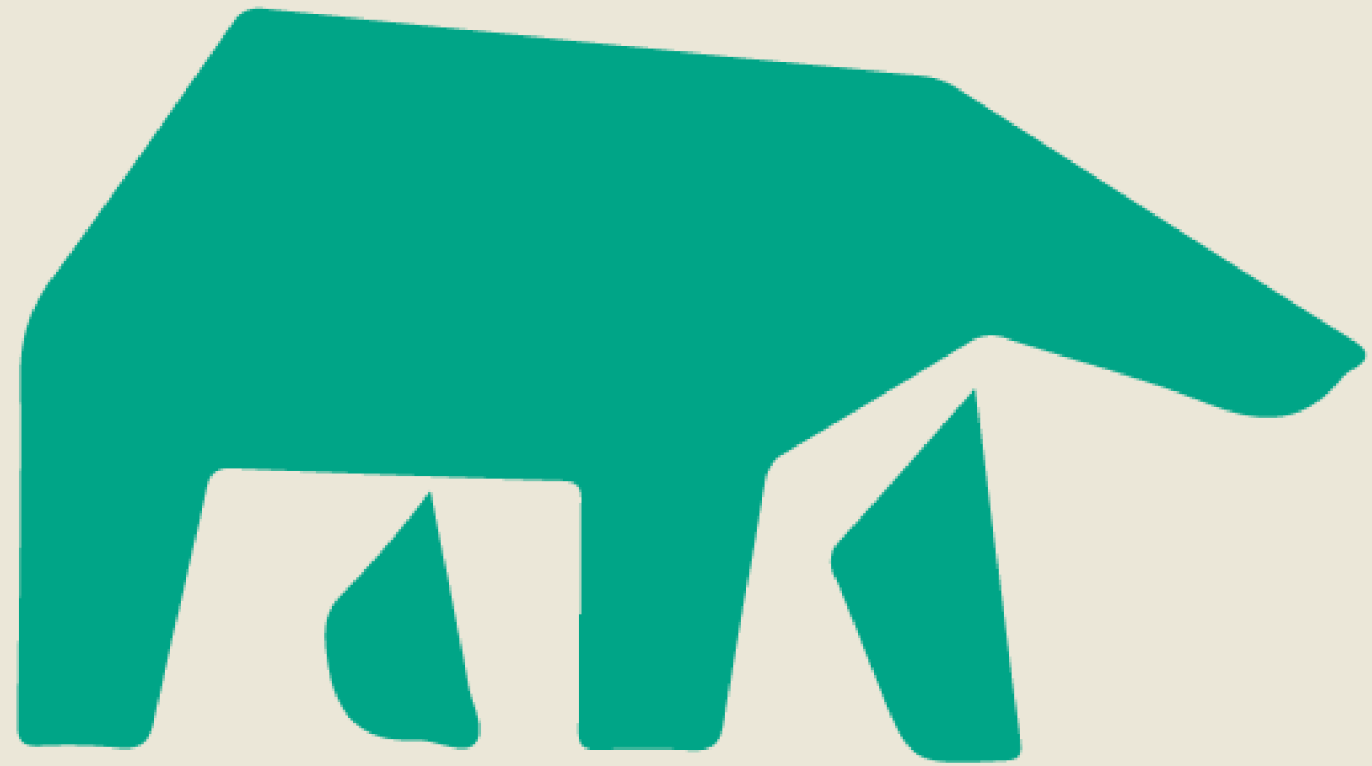


Elina Kapetanaki, 8210050

My First OSS Contribution

...I chose...



mindbdb

What is MindsDB?

Use AI Models in
your Data

Connects to applications,
databases, files

application examples:



shopify



DB examples:



mongoDB



Uses AI on that data

Predictions

Chat Bots

Text Summarization

Sentiment Analysis

Classification

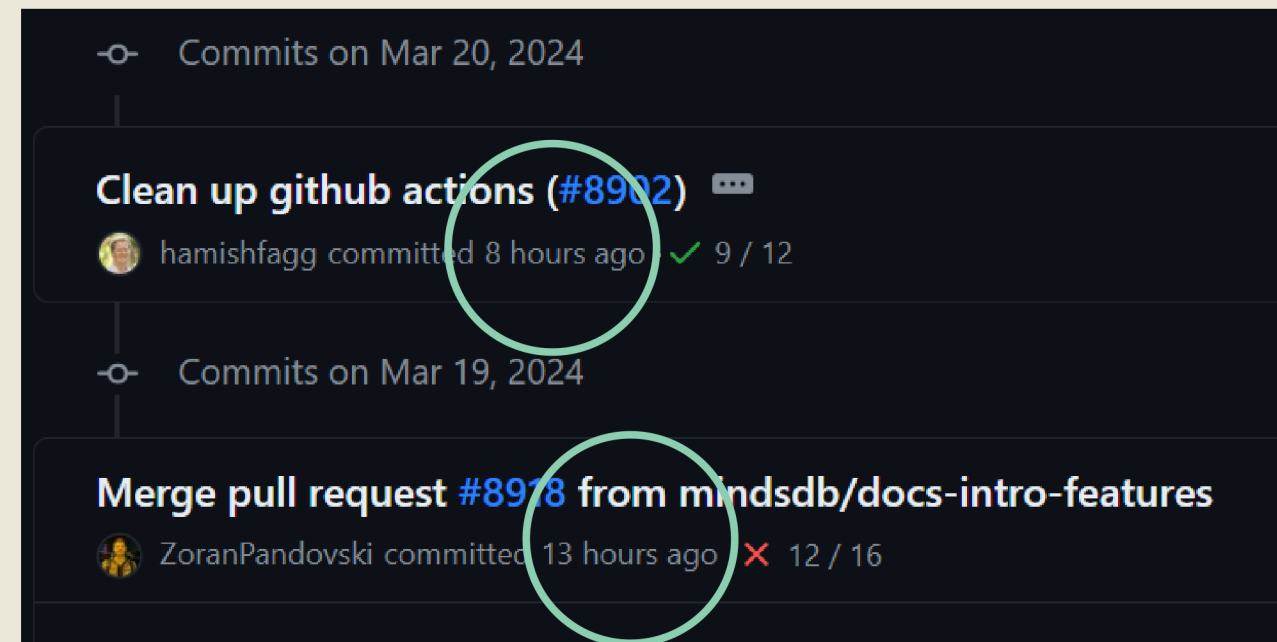
and many more...

Repository

Popularity

☆ 20.2k stars
👁 376 watching
🔗 2.6k forks

Daily Commits



Open - Closed PRs

🔗 71 Open ✓ 4,710 Closed

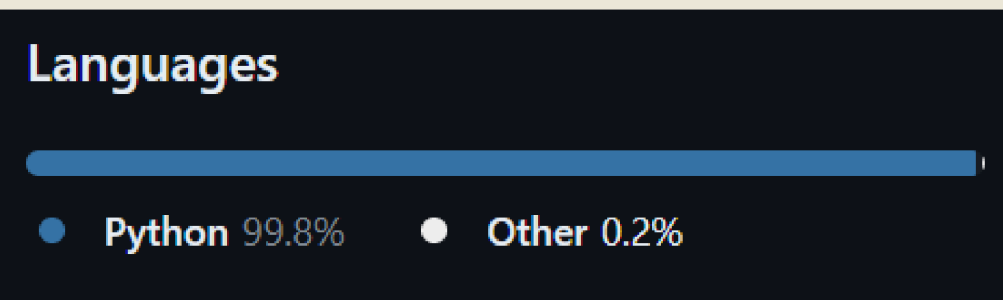
Open - Closed Issues

🕒 378 Open ✓ 3,341 Closed

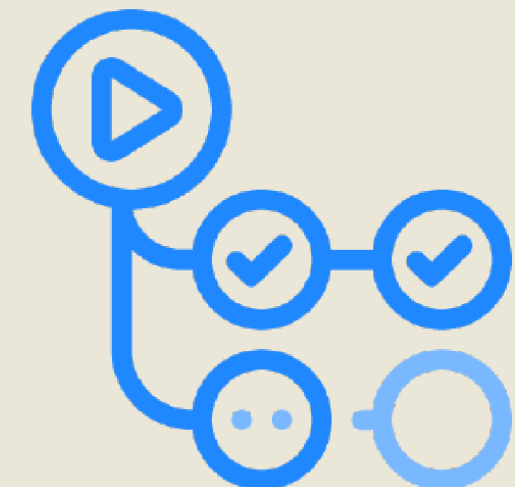
Vast Community

Contributors 757

Python: $\approx 4.700.000$ lines



Github Actions:



My start with MindsDB

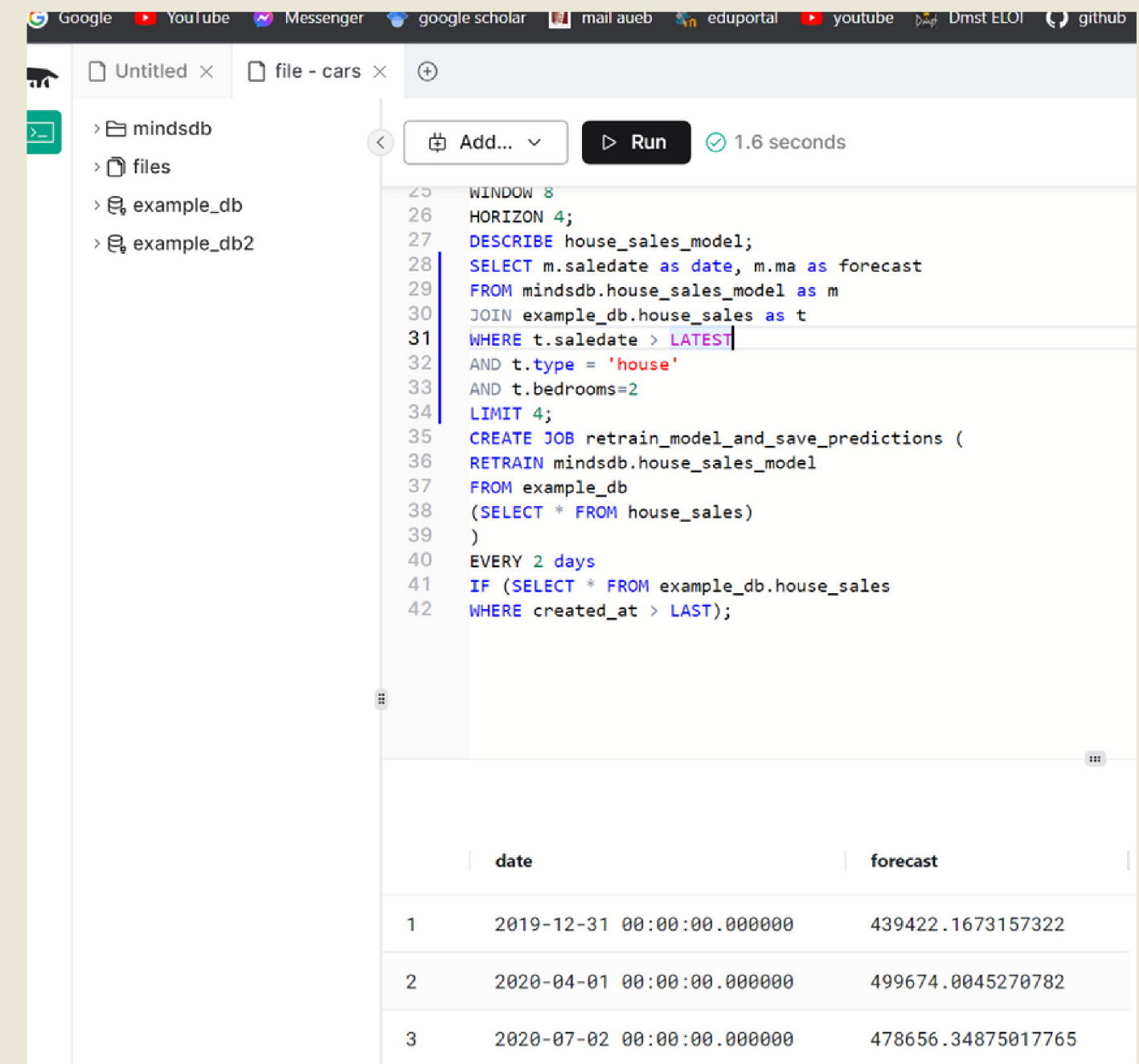
Built from source code

Read Documentation & Played around with functionalities

```
C:\Users\elina\Desktop>mindsdb-venv\Scripts\activate

(mindsdb-venv) C:\Users\elina\Desktop>cd mindsdb

(mindsdb-venv) C:\Users\elina\Desktop\mindsdb>python -m mindsdb
2024-03-20 10:57:08,538      MainProcess INFO      lightwood-15712: No torchvision
2024-03-20 10:57:08,539      MainProcess INFO      lightwood-15712: No torchvision/
orted
2024-03-20 10:57:14,278      MainProcess INFO      mindsdb: 📡 telemetry enabled
2024-03-20 10:57:14,543      MainProcess INFO      alembic.runtime.migration: Conte
2024-03-20 10:57:14,544      MainProcess INFO      alembic.runtime.migration: Will
2024-03-20 10:57:14,653      MainProcess INFO      mindsdb: Version: 24.2.3.0
2024-03-20 10:57:14,653      MainProcess INFO      mindsdb: Configuration file: abs
2024-03-20 10:57:14,653      MainProcess INFO      mindsdb: Storage path: C:\Users\
/
2024-03-20 10:57:14,654      MainProcess INFO      mindsdb: Some handlers cannot be
ble handlers by execute command in sql editor:
select * from information_schema.handlers;
2024-03-20 10:57:15,376      MainProcess INFO      mindsdb: http API: starting...
2024-03-20 10:57:15,400      MainProcess INFO      mindsdb: mysql API: starting...
2024-03-20 10:57:15,406      MainProcess INFO      mindsdb: jobs API: starting...
```



The screenshot shows the MindsDB web interface. On the left, a file explorer shows the 'mindsdb' directory with subdirectories 'files', 'example_db', and 'example_db2'. The main area displays a SQL query in a text editor, which has been executed successfully, as indicated by the 'Run' button and the '1.6 seconds' execution time. The query is a SELECT statement that joins the 'house_sales_model' table with the 'house_sales' table, filtering for 'house' type and 2 bedrooms, and ordering by the latest sale date. The results are displayed in a table below the query.

	date	forecast
1	2019-12-31 00:00:00.000000	439422.1673157322
2	2020-04-01 00:00:00.000000	499674.0045270782
3	2020-07-02 00:00:00.000000	478656.34875017765

My Contribution Idea

Create API handler connecting MindsDB to Zotero
(a “help wanted” issue)



Zotero: collect, organize, annotate, note and share research.

Done:

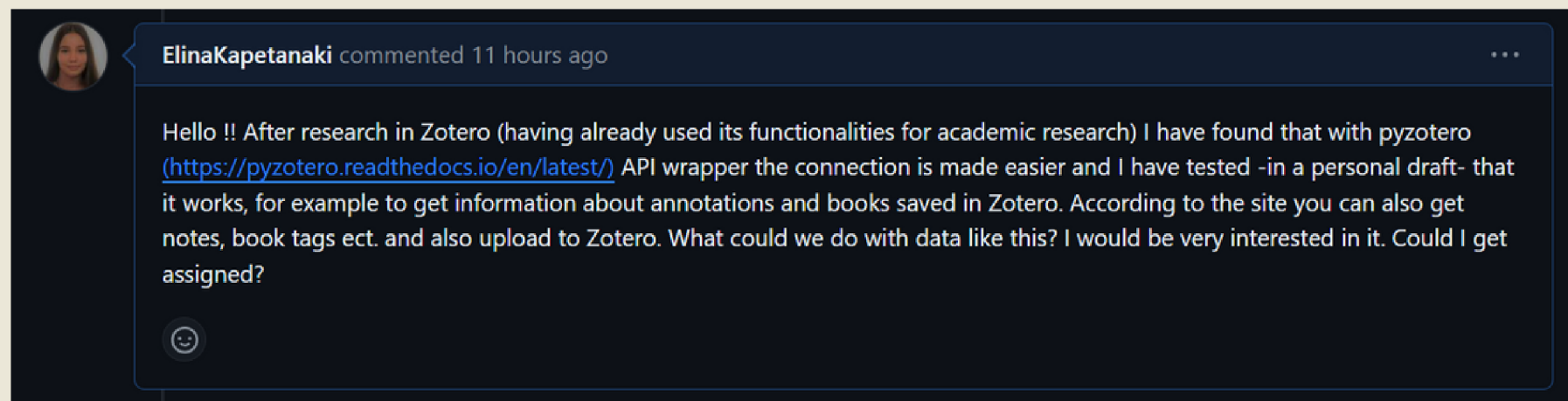
Research Zotero API : found API Wrapper

Wrote personal draft to check connection with Zotero

Worked 🎉 : got highlighted text content and metadata from books

```
'annotationText': 'Writers are obviously at their most natural when they write in the first person.
ll go well to the extent that it retains its humanity. Therefore I urge people to write in the first
onColor': '#ffd400', 'annotationPageLabel': '35', 'annotationSortIndex': '00034|000511|00175', 'anno
.945,312.537,351.045],[20.64,326.505,312.617,337.605],[20.8,313.065,312.376,324.165],[20.8,299.625,2
```

Commented on the issue



To do:

Study documentation about API Handlers

Study examples of API Handlers

Get feedback & continue

**Thank you for your
time!**