

This repository | Search

Pull requests Issues Gist



mldbai / deepteach

Watch ▾

12

★ Star

44

🍴 Fork

8

<> Code

! Issues 0

🔗 Pull requests 0

📁 Projects 0

📖 Wiki

⚡ Pulse

📊 Graphs

DeepTeach - the Interactive Deep Image Classifier Builder <http://blog.mldb.ai/blog/posts/2016/1...>

🕒 52 commits

🌿 3 branches

📦 4 releases

👤 3 contributors

📄 Apache-2.0

Branch: master ▾


New pull request

Create new file

Upload files

Find file

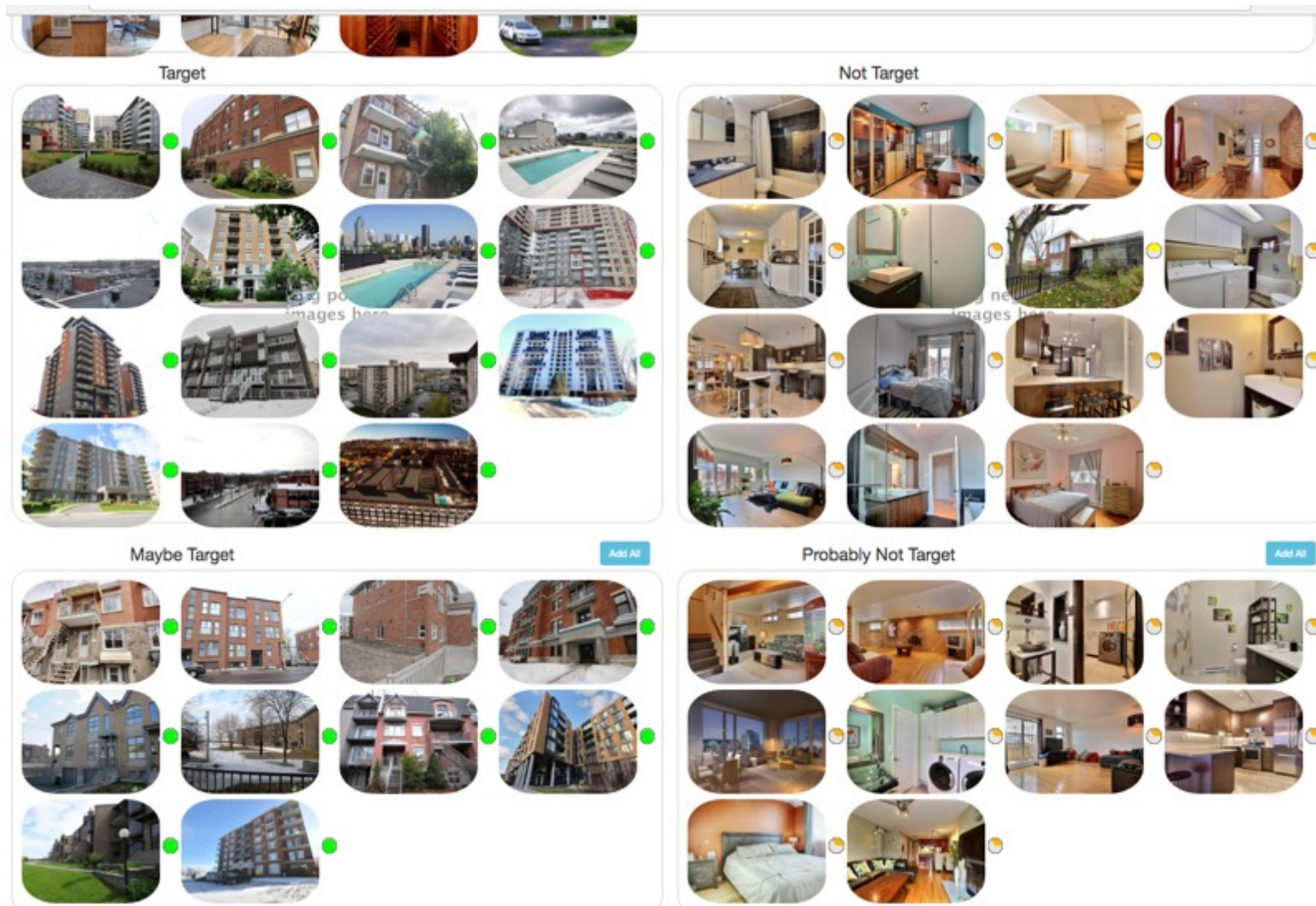
Clone or download

 guyd [MLDB-1951] updated the copyright	Latest commit 279dc70 on 20 Jan
📁 client	[MLDB-1951] updated the copyright 2 months ago
📁 static	[MLDB-1951] updated the copyright 2 months ago
📄 .gitignore	Models are saved in the 'models' folder in the plugin's install direc... 6 months ago
📄 LICENSE	Initial commit a year ago
📄 README.md	Update README.md 5 months ago
📄 main.py	[MLDB-1951] updated the copyright 2 months ago
📄 routes.py	[MLDB-1951] updated the copyright 2 months ago

📖 README.md

DeepTeach - the Interactive Deep Image Classifier Builder

DeepTeach is an MLDB.ai plugin that allows a user to teach a machine learning model what types of images he's looking for through an iterative process. It's a great example of human augmentation, where machine learning is used to make humans more efficient.



The plugin uses the Inception-v3 model, a deep convolutional neural network, as its feature generator. It then uses the user's input to train a bagged boosted decision tree in order to learn the type of image the user is looking for. It's a combination of active learning, deep learning, transfer learning and similarity search.

Some links:

- [DeepTeach Youtube Demo](#)
- [DeepTeach Blog Post](#)
- [KDNuggets guest blog post](#)

Try *DeepTeach* for free! Just create a [free MLDB.ai account](#) to launch an instance and run the [Transfer Learning on Images with Tensorflow demo](#) from within your MLDB instance.

Installing DeepTeach

One way is to the bottom of the [Transfer Learning on Images with Tensorflow demo](#) notebook from a running instance of MLDB.

Alternatively, from a notebook running on MLDB, run the following:

```
from pymldb import Connection
mldb = Connection()

mldb.put("/v1/plugins/deepteach", {
    "type": "python",
    "params": {
        "address": "git://github.com/mldbai/deepteach"
    }
})
```

You can then browse to `https://<host:port>/v1/plugins/deepteach/routes/static/index.html` to access the UI.

