

google-research / robotics\_transformer

Code Issues Pull requests Actions Security Insights

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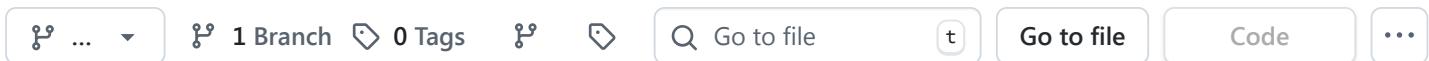


Apache-2.0 license

Contributing

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Public archive repository



keerthanpg Merge pull request #9 from yaolug/patch-1 4569641 · 2 years ago

configs	add robotics transformer	3 years ago
film_efficientnet	add robotics transformer	3 years ago
tokenizers	add robotics transformer	3 years ago
trained_checkpoints	add checkpoints	3 years ago
.gitattributes	add checkpoints	3 years ago
.gitignore	add robotics transformer	3 years ago
.pylintrc	add robotics transformer	3 years ago
CONTRIBUTING.md	add robotics transformer	3 years ago
LICENSE	add robotics transformer	3 years ago
README.md	improve documentation	3 years ago
_init__.py	add robotics transformer	3 years ago
requirements.txt	add robotics transformer	3 years ago
sequence_agent.py	Update sequence_agent.py	3 years ago
sequence_agent_test.py	add robotics transformer	3 years ago
sequence_agent_test_set_...	add robotics transformer	3 years ago

 transformer.py	add robotics transformer	3 years ago
 transformer_network.py	Update transformer_network.py	3 years ago
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 transformer_network_test_...	add robotics transformer	3 years ago
 transformer_test.py	add robotics transformer	3 years ago

# Robotics Transformer

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This repository is a collection code files and artifacts for running Robotics Transformer or RT-1.

## Features

- Film efficient net based image tokenizer backbone
- Token learner based compression of input tokens
- Transformer for end to end robotic control
- Testing utilities

## Getting Started

### Installation

Clone the repo

```
git clone https://github.com/google-research/robotics_transformer.git  
pip install -r robotics_transformer/requirements.txt  
python -m robotics_transformer.tokenizers.action_tokenizer.test
```



### Running Tests

To run RT-1 tests, you can clone the git repo and run [bazel](#):

```
git clone https://github.com/google_research/robotics_transformer.git  
cd robotics_transformer  
bazel test ...
```



## Using trained checkpoints

Checkpoints are included in trained\_checkpoints/ folder for three models:

1. [RT-1 trained on 700 tasks](#)
2. [RT-1 jointly trained on EDR and Kuka data](#)
3. [RT-1 jointly trained on sim and real data](#)

They are tensorflow SavedModel files. Instructions on usage can be found [here](#)

## Future Releases

The current repository includes an initial set of libraries for early adoption. More components may come in future releases.

## License

The Robotics Transformer library is licensed under the terms of the Apache license.

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## Releases

No releases published

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## Packages

No packages published

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## Contributors 4

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## Languages

- Python 100.0%