

google-research / robotics_transformer

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Code


keerthanpg Merge pull request #9 from yaolug/patch-14569641 · 2 years ago


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.gitattributes	add checkpoints	3 years ago
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 transformer.py	add robotics transformer	3 years ago
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Robotics Transformer

 README

 Contributing

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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.

Releases

No releases published

Packages

No packages published

Contributors 4



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Languages

● Python 100.0%