



TorchIO

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## Command-line tools

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### tiotr

A transform can be quickly applied to an image file using the command-line tool `tiotr`, which is automatically installed by `pip` during installation of TorchIO:

```
$ tiotr input.nii RandomAffine output.nii.gz --kwargs "degrees=(0,0,10) scales=0.1" --seed 42
```

For more information, run `tiotr --help`.

### tiohd

To print some image metadata, `tiohd` can be used. Adding the `--plot` argument will plot the image using Matplotlib:

```
$ tiohd ~/.cache/torchio/mni_colin27_1998_nifti/colin27_t1_tal_lin.nii
ScalarImage(shape: (1, 181, 217, 181); spacing: (1.00, 1.00, 1.00); orientation: RAS+; dtype:
```

For more information, run `tiohd --help`.

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