[mwalmsley-galaxy-zoo-bayesian-cnn-93e47af](https://zenodo.org/record/2677874/preview/mwalmsley/galaxy-zoo-bayesian-cnn-0.0.1.zip#tree_item0)

* .gitignore 49 Bytes
* [.py test\_cache](https://zenodo.org/record/2677874/preview/mwalmsley/galaxy-zoo-bayesian-cnn-0.0.1.zip#tree_item2)
  + README.md 295 Bytes
* Dockerfile 323 Bytes
* LICENSE 35.1 kB
* README.md 3.2 kB
* [analysis](https://zenodo.org/record/2677874/preview/mwalmsley/galaxy-zoo-bayesian-cnn-0.0.1.zip#tree_item7)
  + .gitkeep 0 Bytes
* [data](https://zenodo.org/record/2677874/preview/mwalmsley/galaxy-zoo-bayesian-cnn-0.0.1.zip#tree_item9)
  + .gitkeep 0 Bytes
* requirements.txt 370 Bytes
* run\_zoobot\_on\_panoptes.py 5.1 kB
* setup.py 663 Bytes
* [zoobot](https://zenodo.org/record/2677874/preview/mwalmsley/galaxy-zoo-bayesian-cnn-0.0.1.zip#tree_item14)
  + README.md 2.8 kB
  + \_\_init\_\_.py 0 Bytes
  + [active\_learning](https://zenodo.org/record/2677874/preview/mwalmsley/galaxy-zoo-bayesian-cnn-0.0.1.zip#tree_item17)
    - .gitignore 11 Bytes
    - README.md 7.2 kB
    - \_\_init\_\_.py 0 Bytes
    - acquisition\_utils.py 6.2 kB
    - active\_learning.py 17.9 kB
    - analysis.py 12.5 kB
    - check\_uncertainty.py 7.8 kB
    - create\_panoptes\_only\_files.py 2.5 kB
    - default\_estimator\_params.py 3.0 kB
    - execute.py 11.3 kB
    - iterations.py 8.1 kB
    - make\_shards.py 12.6 kB
    - metrics.py 1.6 kB
    - mock\_panoptes.py 2.3 kB
    - simulated\_metrics.py 9.6 kB
    - simulation\_timeline.py 3.8 kB
  + attacing\_ebs.md 1.2 kB
  + [estimators](https://zenodo.org/record/2677874/preview/mwalmsley/galaxy-zoo-bayesian-cnn-0.0.1.zip#tree_item35)
    - \_\_init\_\_.py 0 Bytes
    - bayesian\_estimator\_funcs.py 15.4 kB
    - dummy\_column\_estimator.py 2.0 kB
    - dummy\_image\_estimator.py 2.8 kB
    - estimator\_funcs.py 9.3 kB
    - estimator\_params.py 2.5 kB
    - input\_utils.py 16.6 kB
    - make\_predictions.py 7.2 kB
    - run\_estimator.py 6.9 kB
    - warm\_start.py 2.1 kB
  + [get\_catalogs](https://zenodo.org/record/2677874/preview/mwalmsley/galaxy-zoo-bayesian-cnn-0.0.1.zip#tree_item46)
    - [figures](https://zenodo.org/record/2677874/preview/mwalmsley/galaxy-zoo-bayesian-cnn-0.0.1.zip#tree_item47)
      * catalog\_overlap.png 88.2 kB
      * matched.png 79.6 kB
      * subjects.png 80.4 kB
    - [gz2](https://zenodo.org/record/2677874/preview/mwalmsley/galaxy-zoo-bayesian-cnn-0.0.1.zip#tree_item51)
      * README.md 283 Bytes
      * \_\_init\_\_.py 0 Bytes
      * download\_gz\_from\_aws.py 2.7 kB
      * get\_classifications.py 1.9 kB
      * main.py 1.8 kB
    - [panoptes](https://zenodo.org/record/2677874/preview/mwalmsley/galaxy-zoo-bayesian-cnn-0.0.1.zip#tree_item57)
      * README.md 238 Bytes
    - update\_catalog\_fits\_loc.py 1.5 kB
  + settings.py 442 Bytes
  + [tests](https://zenodo.org/record/2677874/preview/mwalmsley/galaxy-zoo-bayesian-cnn-0.0.1.zip#tree_item61)
    - \_\_init\_\_.py 136 Bytes
    - [active\_learning](https://zenodo.org/record/2677874/preview/mwalmsley/galaxy-zoo-bayesian-cnn-0.0.1.zip#tree_item63)
      * acquisition\_utils\_test.py 5.1 kB
      * active\_learning\_test.py 13.5 kB
      * conftest.py 6.3 kB
      * execute\_test.py 9.4 kB
      * iterations\_test.py 11.4 kB
      * make\_shards\_test.py 1.2 kB
      * [metrics](https://zenodo.org/record/2677874/preview/mwalmsley/galaxy-zoo-bayesian-cnn-0.0.1.zip#tree_item70)
        + analysis\_test.py 2.3 kB
        + conftest.py 1.4 kB
        + metrics\_test.py 1.7 kB
        + simulated\_metrics\_test.py 872 Bytes
        + simulation\_timeline\_test.py 801 Bytes
      * mock\_panoptes\_test.py 2.1 kB
      * run\_active\_learning\_test.py 60 Bytes
    - conftest.py 11.2 kB
    - [estimators](https://zenodo.org/record/2677874/preview/mwalmsley/galaxy-zoo-bayesian-cnn-0.0.1.zip#tree_item79)
      * binomial\_loss\_test.py 2.0 kB
      * dummy\_estimator\_test.py 3.0 kB
      * dummy\_image\_estimator\_test.py 1.4 kB
      * input\_utils\_test.py 16.3 kB
      * make\_predictions\_test.py 3.3 kB
      * mnist\_estimator.py 879 Bytes
      * run\_estimator\_test.py 5.0 kB
    - [gz2](https://zenodo.org/record/2677874/preview/mwalmsley/galaxy-zoo-bayesian-cnn-0.0.1.zip#tree_item87)
      * get\_classifications\_test.py 3.1 kB
      * main\_test.py 1.4 kB
    - mnist.py 2.2 kB
    - [test\_examples](https://zenodo.org/record/2677874/preview/mwalmsley/galaxy-zoo-bayesian-cnn-0.0.1.zip#tree_item91)
      * .gitkeep 0 Bytes
      * active\_learning\_example.log3.6 MB
      * all\_augmentations\_check.png 2.3 MB
      * example.log2.1 MB
      * example\_a.fits 3.1 MB
      * example\_a.png 262.1 kB
      * example\_b.fits 319.7 kB
      * example\_b.png 277.7 kB
      * [example\_saved\_model](https://zenodo.org/record/2677874/preview/mwalmsley/galaxy-zoo-bayesian-cnn-0.0.1.zip#tree_item100)
        + [1530286779](https://zenodo.org/record/2677874/preview/mwalmsley/galaxy-zoo-bayesian-cnn-0.0.1.zip#tree_item101)

 saved\_model.pb185.3 kB

[variables](https://zenodo.org/record/2677874/preview/mwalmsley/galaxy-zoo-bayesian-cnn-0.0.1.zip#tree_item103)

 variables.data-00000-of-000012.6 MB

 variables.index910 Bytes

* + - * geometric\_augmentation\_check\_on\_batch.png 2.4 MB
      * geometric\_augmentation\_check\_single\_image.png 288.8 kB
      * loaded\_image\_from\_example\_tfrecord.png 6.1 kB
      * original\_loaded\_image.png 27.3 kB
      * original\_minimal\_loaded\_image.png 27.3 kB
      * panoptes.csv1.5 MB
      * panoptes\_mock\_predictions.csv2.6 MB
      * photometric\_augmentation\_check\_on\_batch.png 3.8 MB
      * photometric\_augmentation\_check\_single\_image.png 171.2 kB
      * rescaled\_after\_pil.png 215.6 kB
      * rescaled\_before\_pil.png 370.4 kB
      * show\_example\_for\_visual\_check\_image.png 5.8 kB
      * show\_examples\_for\_many\_visual\_check\_image.png 24.6 kB
      * subjects\_in\_shards.png 9.4 kB
      * synthetic\_image\_104798\_band\_5\_camera\_0\_bg\_1.fits 1.4 MB
      * test\_visualise\_calibration.png 22.4 kB
    - [test\_figures](https://zenodo.org/record/2677874/preview/mwalmsley/galaxy-zoo-bayesian-cnn-0.0.1.zip#tree_item122)
      * .gitkeep 0 Bytes
      * all\_augmentations\_check.png 173.2 kB
      * binomial\_loss.png 25.8 kB
      * discrete\_coverage\_calibrated.png 101.7 kB
      * discrete\_coverage\_evaluate.png 36.4 kB
      * discrete\_coverage\_plot.png 46.4 kB
      * geometric\_augmentation\_check\_on\_batch.png 194.9 kB
      * geometric\_augmentation\_check\_single\_image.png 21.4 kB
      * [metrics](https://zenodo.org/record/2677874/preview/mwalmsley/galaxy-zoo-bayesian-cnn-0.0.1.zip#tree_item131)
        + .gitkeep 0 Bytes
        + acquistion\_vs\_mean\_prediction.png 64.9 kB
        + discrete\_coverage.png 38.8 kB
        + entropy\_by\_prediction.png 60.7 kB
        + high\_mock\_acquisition.png 17.6 kB
        + low\_mock\_acquisition.png 17.6 kB
        + max\_mock\_acquisition.png 17.6 kB
        + min\_mock\_acquisition.png 17.6 kB
        + [timeline\_metrics](https://zenodo.org/record/2677874/preview/mwalmsley/galaxy-zoo-bayesian-cnn-0.0.1.zip#tree_item140)

 .gitkeep 0 Bytes

 ra\_over\_time.png 10.9 kB

* + - * mutual\_info.png 42.5 kB
      * photometric\_augmentation\_check\_on\_batch.png 205.7 kB
      * photometric\_augmentation\_check\_single\_image.png 16.9 kB
      * subjects\_in\_shards.png 42.2 kB
      * test\_visualise\_calibration.png 85.4 kB
      * test\_visualise\_calibration\_meaningful.png 46.3 kB
    - [tfrecord](https://zenodo.org/record/2677874/preview/mwalmsley/galaxy-zoo-bayesian-cnn-0.0.1.zip#tree_item149)
      * catalog\_to\_tfrecord\_test.py 1.6 kB
      * create\_tfrecord\_test.py 7.4 kB
      * read\_tfrecord\_test.py 2.6 kB
    - [uncertainty](https://zenodo.org/record/2677874/preview/mwalmsley/galaxy-zoo-bayesian-cnn-0.0.1.zip#tree_item153)
      * conftest.py 360 Bytes
      * discrete\_coverage\_test.py 5.3 kB
      * dropout\_calibration\_test.py 1.8 kB
      * sample\_statistics\_test.py 1.1 kB
  + [tfrecord](https://zenodo.org/record/2677874/preview/mwalmsley/galaxy-zoo-bayesian-cnn-0.0.1.zip#tree_item158)
    - \_\_init\_\_.py 0 Bytes
    - catalog\_to\_tfrecord.py 4.5 kB
    - create\_tfrecord.py 3.7 kB
    - image\_utils.py 4.6 kB
    - read\_tfrecord.py 4.6 kB
    - tfrecord\_io.py 2.5 kB
  + [uncertainty](https://zenodo.org/record/2677874/preview/mwalmsley/galaxy-zoo-bayesian-cnn-0.0.1.zip#tree_item165)
    - discrete\_coverage.py 3.3 kB
    - dropout\_calibration.py 2.3 kB
    - sample\_statistics.py