

pipeline Quality Report

- **Created at:** 2017-04-10 20:20:14.275414
- **Corral Version:** 0.2.6

1. Summary

- **Tests Success:** Yes
- **Tests Ran:** 1
- **Processors:** 6
- **Coverage:** 62.63%
- **Maintainability & Style Errors:** 8
- **QA Index:** 8.64%
- **QA Qualification:** F

1.1 About The Corral Quality Assurance Index (QAI)

$$QAI = 2 * (TP * (T/PNC) * COV) / (1 + \exp(MSE/\tau))$$

Where:

TP: If all tests passes is 1, 0 otherwise.

T: The number of test cases.

PCN: The number number of processors (Loader, Steps and Alerts) and commands.

COV: The code coverage (between 0 and 1).

MSE: The Maintainability and Style Errors.

tau: Tolerance of style errors per file

Current Value of Tau: 13.00 per file

1.2 About The Qualification

The Corral qualification is a quantitive scale based on QAI

- QAI >= 0.00% – F
- QAI >= 60.00% – D-
- QAI >= 63.00% – D
- QAI >= 67.00% – D+
- QAI >= 70.00% – C-
- QAI >= 73.00% – C
- QAI >= 77.00% – C+
- QAI >= 80.00% – B-

- QAI >= 83.00% - B
- QAI >= 87.00% - B+
- QAI >= 90.00% - A-
- QAI >= 93.00% - A
- QAI >= 95.00% - A+

2. Full Output

2.1 Tests

```
runTest (pipeline.tests.StatisticsCreateAnyNameTest) ... ok
```

```
Ran 1 test in 0.481s
```

```
OK
```

2.2 Coverage

| Name | Stmts | Miss | Cover |
|----------------------|-------|------|-------|
| ----- | | | |
| pipeline/__init__.py | 1 | 0 | 100% |
| pipeline/alerts.py | 10 | 1 | 90% |
| pipeline/commands.py | 6 | 1 | 83% |
| pipeline/load.py | 25 | 14 | 44% |
| pipeline/models.py | 34 | 1 | 97% |
| pipeline/pipeline.py | 4 | 0 | 100% |
| pipeline/settings.py | 17 | 0 | 100% |
| pipeline/steps.py | 79 | 54 | 32% |
| pipeline/tests.py | 14 | 0 | 100% |
| ----- | | | |
| TOTAL | 190 | 71 | 63% |

2.3 MAINTAINABILITY & STYLE

Found pep8-style errors.

Please check the Python code style reference: <https://www.python.org/dev/peps/pep-0008/>

Errors found:

pipeline/alerts.py:51:0: W391 blank line at end of file

pipeline/commands.py:27:0: E302 expected 2 blank lines, found 1
pipeline/settings.py:41:8: E126 continuation line over-indented for hanging indent
pipeline/steps.py:36:37: E225 missing whitespace around operator
pipeline/steps.py:53:43: E225 missing whitespace around operator
pipeline/steps.py:85:43: E225 missing whitespace around operator
pipeline/steps.py:117:43: E225 missing whitespace around operator
pipeline/tests.py:39:41: E225 missing whitespace around operator
pipeline/tests.py:45:56: E225 missing whitespace around operator