**Trial 1**

**Version:** tox==4.15.1

**$** tox

**Log:**

test\_package: failed with unrecognized arguments: model\ package/requirements/test\_requirements.txt for tox env py within deps

test\_package: FAIL ✖ in 1.03 seconds

checks: failed with unrecognized arguments: model\ package/requirements/typing\_requirements.txt for tox env py within deps

test\_package: FAIL code 1 (1.03 seconds)

checks: FAIL code 1 (0.91 seconds)

evaluation failed :( (2.62 seconds)

**Trial 2**

**Version:** tox==3.28.0

**$** tox

**Log:**

.tox create: E:\LFS\Projects\DS\_AI\_ML\_DL\ML\price-prediction-ml-model-production-pipeline-deployment\production model package\.tox\.tox

.tox installdeps: tox >= 4

test\_package: failed with unrecognized arguments: model\ package/requirements/test\_requirements.txt for tox env py within deps

test\_package: FAIL ✖ in 0.12 seconds

checks: failed with unrecognized arguments: model\ package/requirements/typing\_requirements.txt for tox env py within deps

test\_package: FAIL code 1 (0.12 seconds)

checks: FAIL code 1 (0.02 seconds)

evaluation failed :( (1.41 seconds)

**Trial 3**

**File:** tox.ini

# Updated min\_version from 4 to 3

min\_version = 3

**$** tox

**Log:**

test\_package recreate: E:\LFS\Projects\DS\_AI\_ML\_DL\ML\price-prediction-ml-model-production-pipeline-deployment\production model package\.tox\test\_package

test\_package installdeps: -rE:\LFS\Projects\DS\_AI\_ML\_DL\ML\price-prediction-ml-model-production-pipeline-deployment\production model package/requirements/test\_requirements.txt

test\_package installed: colorama==0.4.6,exceptiongroup==1.2.1,feature-engine==1.5.2,iniconfig==2.0.0,joblib==1.4.2,numpy==1.26.4,packaging==24.0,pandas==1.5.3,patsy==0.5.6,pluggy==1.5.0,pydantic==1.10.15,pytest==7.4.4,python-dateutil==2.9.0.post0,pytz==2024.1,ruamel.yaml==0.18.6,ruamel.yaml.clib==0.2.8,scikit-learn==1.5.0,scipy==1.13.1,six==1.16.0,statsmodels==0.14.2,strictyaml==1.7.3,threadpoolctl==3.5.0,tomli==2.0.1,typing\_extensions==4.12.2

test\_package run-test-pre: PYTHONHASHSEED='0'

test\_package run-test: commands[0] | python regression\_model/train\_pipeline.py

test\_package run-test: commands[1] | pytest -s -vv tests/

tests/test\_features.py::test\_temporal\_variable\_transformer PASSED

tests/test\_prediction.py::test\_make\_prediction FAILED

FAILURES

test\_make\_prediction

tests\test\_prediction.py:14:

regression\_model\predict.py:26: in make\_prediction

predictions = \_price\_pipe.predict(

.tox\test\_package\lib\site-packages\sklearn\pipeline.py:603: in predict

Xt = transform.transform(Xt)

.tox\test\_package\lib\site-packages\sklearn\utils\\_set\_output.py:313: in wrapped

data\_to\_wrap = f(self, X, \*args, \*\*kwargs)

.tox\test\_package\lib\site-packages\feature\_engine\encoding\rare\_label.py:231: in transform

X[feature].isin(self.encoder\_dict\_[feature]),

.tox\test\_package\lib\site-packages\pandas\core\series.py:5563: in isin

result = algorithms.isin(self.\_values, values)

.tox\test\_package\lib\site-packages\pandas\core\algorithms.py:522: in isin

common = np.find\_common\_type([values.dtype, comps\_array.dtype], [])

.tox\test\_package\lib\site-packages\numpy\core\numerictypes.py:661: DeprecationWarning

# Deprecated 2022-11-07, NumPy 1.25

> warnings.warn(

"np.find\_common\_type is deprecated. Please use `np.result\_type` "

"or `np.promote\_types`.\n"

"See https://numpy.org/devdocs/release/1.25.0-notes.html and the "

"docs for more information. (Deprecated NumPy 1.25)",

DeprecationWarning, stacklevel=2)

DeprecationWarning: np.find\_common\_type is deprecated. Please use `np.result\_type` or `np.promote\_types`.

See https://numpy.org/devdocs/release/1.25.0-notes.html and the docs for more information. (Deprecated NumPy 1.25)

short test summary info

FAILED tests/test\_prediction.py::test\_make\_prediction - DeprecationWarning: np.find\_common\_type is deprecated. Please use `np.result\_type` or `np.promote\_types`.

**Remarks:**

We are using Pandas version 1.5.3. The corresponding numpy version that was installed is 1.26.4.

But this pandas version is using a method named np.find\_common\_type which is deprecated since numpy 1.25.

So, one of the quick solution that we can try is to limit the version of numpy to be less than 1.25.

1 failed, 1 passed in 2.46s

ERROR: InvocationError for command 'E:\LFS\Projects\DS\_AI\_ML\_DL\ML\price-prediction-ml-model-production-pipeline-deployment\production model package\.tox\test\_package\Scripts\pytest.EXE' -s -vv tests/ (exited with code 1)

checks recreate: E:\LFS\Projects\DS\_AI\_ML\_DL\ML\price-prediction-ml-model-production-pipeline-deployment\production model package\.tox\checks

checks installdeps: -rE:\LFS\Projects\DS\_AI\_ML\_DL\ML\price-prediction-ml-model-production-pipeline-deployment\production model package/requirements/typing\_requirements.txt

checks installed: black==22.12.0,click==8.1.7,colorama==0.4.6,flake8==6.1.0,isort==5.13.2,mccabe==0.7.0,mypy==0.991,mypy-extensions==1.0.0,pathspec==0.12.1,platformdirs==4.2.2,pycodestyle==2.11.1,pyflakes==3.1.0,tomli==2.0.1,typing\_extensions==4.12.2

checks run-test-pre: PYTHONHASHSEED='0'

checks run-test: commands[0] | flake8 regression\_model tests

regression\_model\config\core.py:10:60: W291 trailing whitespace

regression\_model\config\core.py:25:1: E302 expected 2 blank lines, found 1

regression\_model\config\core.py:36:1: E302 expected 2 blank lines, found 1

regression\_model\config\core.py:67:1: E302 expected 2 blank lines, found 1

regression\_model\config\core.py:75:1: E302 expected 2 blank lines, found 1

ERROR: InvocationError for command 'E:\LFS\Projects\DS\_AI\_ML\_DL\ML\price-prediction-ml-model-production-pipeline-deployment\production model package\.tox\checks\Scripts\flake8.EXE' regression\_model tests (exited with code 1)

summary

ERROR: test\_package: commands failed

ERROR: checks: commands failed

**Trial 4**

**$** tox –e train

**Log:**

train: commands succeeded

congratulations : )

**Trial 5**

**$** tox –e test\_package

**Log:**

tests/test\_features.py::test\_temporal\_variable\_transformer PASSED

tests/test\_prediction.py::test\_make\_prediction FAILED

**Remarks:**

Same log as trial 3 first section (test\_package section).

**Trial 6**

**File:** requirements.txt

# Updated the numpy version range from >=1.21.0,<2.0.0 to >=1.21.0,<1.25.0

numpy>=1.21.0,<1.25.0

**$** tox –e test\_package

**Log:**

tests/test\_features.py::test\_temporal\_variable\_transformer PASSED

tests/test\_prediction.py::test\_make\_prediction PASSED

test\_package: commands succeeded

congratulations :)

**Trial 7**

**$** tox –e checks

**Log:**

checks run-test-pre: PYTHONHASHSEED='0'

checks run-test: commands[0] | flake8 regression\_model tests

regression\_model\config\core.py:10:60: W291 trailing whitespace

regression\_model\config\core.py:25:1: E302 expected 2 blank lines, found 1

regression\_model\config\core.py:36:1: E302 expected 2 blank lines, found 1

regression\_model\config\core.py:67:1: E302 expected 2 blank lines, found 1

regression\_model\config\core.py:75:1: E302 expected 2 blank lines, found 1

ERROR: InvocationError for command 'E:\LFS\Projects\DS\_AI\_ML\_DL\ML\price-prediction-ml-model-production-pipeline-deployment\production model package\.tox\checks\Scripts\flake8.EXE' regression\_model tests (exited with code 1)

**Remarks:**

W291 trailing whitespace:

* This warning occurs on line 10, column 60 of the file.
* It means that there are extra spaces at the end of the line after the actual code.

E302 expected 2 blank lines, found 1:

* This error appears on lines 25, 36, 67, and 75 of the file.
* It indicates that there should be two blank lines separating different sections of our code in those locations.

**Trial 8**

**File:** regression\_model/config/core.py

Code format updated properly in the required sections.

**$** tox –e checks

**Log:**

checks run-test-pre: PYTHONHASHSEED='0'

checks run-test: commands[0] | flake8 regression\_model tests

checks run-test: commands[1] | isort regression\_model tests

Fixing E:\LFS\Projects\DS\_AI\_ML\_DL\ML\price-prediction-ml-model-production-pipeline-deployment\production model package\regression\_model\config\core.py

checks run-test: commands[2] | mypy regression\_model

Success: no issues found in 12 source files

summary

checks: commands succeeded

congratulations :)