

CodeAssistant 报告

1. 代码审查 (Review)

概览

指标	值
问题总数	250
高/中/低	149/101/0
工具数	2
DS 规则数	225

严重性分布

严重性	数量
high	149
medium	101

工具分布

工具	数量
ds-rule	225
ast-rule	25

DS 规则分布

规则	数量
DS_PANDAS_APPLY_AXIS1	84
DS_PANDAS_SETTINGWITHCOPY	82
DS_RANDOM_SEED	42
DS_PANDAS_ITERROWS	16
DS_HYPERPARAMS_HARDCODED	1

Top 20 问题

严重性	工具	规则	位置	说明
high	ds-rule	DS_RANDOM_SEED	pandas/asv_bench/benchmarks/algorithms.py:40	Randomness detected without an explicit seed.
high	ds-rule	DS_RANDOM_SEED	pandas/asv_bench/benchmarks/arithmetic.py:51	Randomness detected without an explicit seed.
high	ds-rule	DS_RANDOM_SEED	pandas/asv_bench/benchmarks/array.py:122	Randomness detected without an explicit seed.
high	ds-rule	DS_RANDOM_SEED	pandas/asv_bench/benchmarks/attrs_caching.py:14	Randomness detected without an explicit seed.

严重性	工具	规则	位置	说明
high	ds-rule	DS_RANDOM_SEED	pandas/asv_bench/benchmarks/boolean.py:9	Randomness detected without an explicit seed.
high	ds-rule	DS_RANDOM_SEED	pandas/asv_bench/benchmarks/categoricals.py:75	Randomness detected without an explicit seed.
high	ds-rule	DS_RANDOM_SEED	pandas/asv_bench/benchmarks/ctors.py:79	Randomness detected without an explicit seed.
high	ds-rule	DS_RANDOM_SEED	pandas/asv_bench/benchmarks/dtypes.py:85	Randomness detected without an explicit seed.
high	ds-rule	DS_RANDOM_SEED	pandas/asv_bench/benchmarks/eval.py:16	Randomness detected without an explicit seed.
high	ds-rule	DS_RANDOM_SEED	pandas/asv_bench/benchmarks/frame_ctor.py:33	Randomness detected without an explicit seed.
high	ds-rule	DS_RANDOM_SEED	pandas/asv_bench/benchmarks/frame_methods.py:43	Randomness detected without an explicit seed.
high	ds-rule	DS_RANDOM_SEED	pandas/asv_bench/benchmarks/gil.py:95	Randomness detected without an explicit seed.
high	ds-rule	DS_RANDOM_SEED	pandas/asv_bench/benchmarks/groupby.py:96	Randomness detected without an explicit seed.
high	ds-rule	DS_RANDOM_SEED	pandas/asv_bench/benchmarks/hash_functions.py:83	Randomness detected without an explicit seed.
high	ds-rule	DS_RANDOM_SEED	pandas/asv_bench/benchmarks/indexing.py:42	Randomness detected without an explicit seed.
high	ds-rule	DS_RANDOM_SEED	pandas/asv_bench/benchmarks/inference.py:27	Randomness detected without an explicit seed.
high	ds-rule	DS_RANDOM_SEED	pandas/asv_bench/benchmarks/join_merge.py:31	Randomness detected without an explicit seed.
high	ds-rule	DS_RANDOM_SEED	pandas/asv_bench/benchmarks/libs.py:65	Randomness detected without an explicit seed.
high	ds-rule	DS_RANDOM_SEED	pandas/asv_bench/benchmarks/multiindex_object.py:78	Randomness detected without an explicit seed.
high	ds-rule	DS_RANDOM_SEED	pandas/asv_bench/benchmarks/piloting.py:42	Randomness detected without an explicit seed.

复杂度摘要 (Radon)

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D:\0-00\000\00000000\000000\CodeAssistant\my_repo\pandas\generate_pxi.py
  F 16:0 main - A (2)
  F 7:0 process_tempita - A (1)
D:\0-00\000\00000000\000000\CodeAssistant\my_repo\pandas\generate_version.py
  F 32:0 main - A (5)
  F 13:0 write_version_info - A (3)
D:\0-00\000\00000000\000000\CodeAssistant\my_repo\pandas\setup.py
  M 112:4 CleanCommand.initialize_options - B (10)
  F 394:0 maybe_cythonize - B (6)
  C 107:0 CleanCommand - B (6)
  C 76:0 build_ext - A (5)
  M 78:4 build_ext.render_templates - A (5)
  M 167:4 CleanCommand.run - A (5)
  M 233:4 CheckSDist.run - A (5)
  C 185:0 CheckSDist - A (4)
  C 252:0 CheckingBuildExt - A (4)
  M 257:4 CheckingBuildExt.check_cython_extensions - A (4)
  M 98:4 build_ext.build_extensions - A (2)
  C 274:0 CythonCommand - A (2)
  C 285:0 DummyBuildSrc - A (2)
  F 31:0 is_platform_windows - A (1)

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F 35:0 is_platform_mac - A (1)
F 427:0 srcpath - A (1)
M 164:4 CleanCommand.finalize_options - A (1)
M 230:4 CheckSDist.initialize_options - A (1)
M 269:4 CheckingBuildExt.build_extensions - A (1)
M 281:4 CythonCommand.build_extension - A (1)
M 290:4 DummyBuildSrc.initialize_options - A (1)
M 293:4 DummyBuildSrc.finalize_options - A (1)
M 296:4 DummyBuildSrc.run - A (1)
D:\CodeAssistant\my_repo\pandas\asv_bench\benchmarks\algorithms.py
M 34:4 Factorize.setup - C (11)
M 85:4 Duplicated.setup - B (9)
C 68:0 Duplicated - B (6)
C 15:0 Factorize - A (5)
C 111:0 DuplicatedMaskedArray - A (3)
C 176:0 Quantile - A (3)
M 184:4 Quantile.setup - A (3)
M 119:4 DuplicatedMaskedArray.setup - A (2)
C 133:0 Hashing - A (2)
M 134:4 Hashing.setup_cache - A (2)
C 198:0 SortIntegerArray - A (2)
M 61:4 Factorize.time_factorize - A (1)
M 64:4 Factorize.peakmem_factorize - A (1)
M 107:4 Duplicated.time_duplicated - A (1)
M 129:4 DuplicatedMaskedArray.time_duplicated - A (1)
M 154:4 Hashing.time_frame - A (1)
M 157:4 Hashing.time_series_int - A (1)
M 160:4 Hashing.time_series_string - A (1)
M 163:4 Hashing.time_series_float - A (1)
M 166:4 Hashing.time_series_categorical - A (1)
M 169:4 Hashing.time_series_timedeltas - A (1)
M 172:4 Hashing.time_series_dates - A (1)
M 194:4 Quantile.time_quantile - A (1)
M 201:4 SortIntegerArray.setup - A (1)
M 206:4 SortIntegerArray.time_argsort - A (1)
D:\CodeAssistant\my_repo\pandas\asv_bench\benchmarks\arithmetic.py
M 178:4 Ops.setup - A (3)
M 323:4 IndexArithmetic.setup - A (3)
C 454:0 BinaryOpsMultiIndex - A (3)
C 28:0 IntFrameWithScalar - A (2)
C 58:0 OpWithFillValue - A (2)
C 75:0 MixedFrameWithSeriesAxis - A (2)
C 113:0 FrameWithFrameWide - A (2)
M 133:4 FrameWithFrameWide.setup - A (2)
C 174:0 Ops - A (2)
C 204:0 Ops2 - A (2)
C 257:0 Timeseries - A (2)
C 286:0 IrregularOps - A (2)
C 298:0 TimedeltaOps - A (2)
C 307:0 CategoricalComparisons - A (2)
C 319:0 IndexArithmetic - A (2)
C 346:0 NumericInferOps - A (2)
C 373:0 DateInferOps - A (2)
C 422:0 OffsetArrayArithmetic - A (2)
C 441:0 ApplyIndex - A (2)
M 458:4 BinaryOpsMultiIndex.setup - A (2)
M 50:4 IntFrameWithScalar.setup - A (1)
M 54:4 IntFrameWithScalar.time_frame_op_with_scalar - A (1)
M 59:4 OpWithFillValue.setup - A (1)
M 68:4 OpWithFillValue.time_frame_op_with_fill_value_no_nas - A (1)
M 71:4 OpWithFillValue.time_series_op_with_fill_value_no_nas - A (1)
M 94:4 MixedFrameWithSeriesAxis.setup - A (1)
M 102:4 MixedFrameWithSeriesAxis.time_frame_op_with_series_axis0 - A (1)
M 105:4 MixedFrameWithSeriesAxis.time_frame_op_with_series_axis1 - A (1)
M 165:4 FrameWithFrameWide.time_op_different_blocks - A (1)
M 169:4 FrameWithFrameWide.time_op_same_blocks - A (1)
M 187:4 Ops.time_frame_add - A (1)
M 190:4 Ops.time_frame_mult - A (1)
M 193:4 Ops.time_frame_multi_and - A (1)
M 196:4 Ops.time_frame_comparison - A (1)
M 199:4 Ops.teardown - A (1)
M 205:4 Ops2.setup - A (1)
M 225:4 Ops2.time_frame_float_div - A (1)
M 228:4 Ops2.time_frame_float_div_by_zero - A (1)
M 231:4 Ops2.time_frame_float_floor_by_zero - A (1)

M 234:4 Ops2.time_frame_int_div_by_zero - A (1)
M 239:4 Ops2.time_frame_int_mod - A (1)
M 242:4 Ops2.time_frame_float_mod - A (1)
M 247:4 Ops2.time_frame_dot - A (1)
M 250:4 Ops2.time_series_dot - A (1)
M 253:4 Ops2.time_frame_series_dot - A (1)
M 261:4 Timeseries.setup - A (1)
M 270:4 Timeseries.time_series_timestamp_compare - A (1)
M 273:4 Timeseries.time_series_timestamp_different_reso_compare - A (1)
M 276:4 Timeseries.time_timestamp_series_compare - A (1)
M 279:4 Timeseries.time_timestamp_ops_diff - A (1)
M 282:4 Timeseries.time_timestamp_ops_diff_with_shift - A (1)
M 287:4 IrregularOps.setup - A (1)
M 294:4 IrregularOps.time_add - A (1)
M 299:4 TimedeltaOps.setup - A (1)
M 303:4 TimedeltaOps.time_add_td_ts - A (1)
M 311:4 CategoricalComparisons.setup - A (1)
M 315:4 CategoricalComparisons.time_categorical_op - A (1)
M 330:4 IndexArithmetic.time_add - A (1)
M 333:4 IndexArithmetic.time_subtract - A (1)
M 336:4 IndexArithmetic.time_multiply - A (1)
M 339:4 IndexArithmetic.time_divide - A (1)
M 342:4 IndexArithmetic.time_modulo - A (1)
M 351:4 NumericInferOps.setup - A (1)
M 357:4 NumericInferOps.time_add - A (1)
M 360:4 NumericInferOps.time_subtract - A (1)
M 363:4 NumericInferOps.time_multiply - A (1)
M 366:4 NumericInferOps.time_divide - A (1)
M 369:4 NumericInferOps.time_modulo - A (1)
M 375:4 DateInferOps.setup_cache - A (1)
M 381:4 DateInferOps.time_subtract_datetimes - A (1)
M 384:4 DateInferOps.time_timedelta_plus_datetime - A (1)
M 387:4 DateInferOps.time_add_timedeltas - A (1)
M 426:4 OffsetArrayArithmetic.setup - A (1)
M 432:4 OffsetArrayArithmetic.time_add_series_o

2. 测试生成 (TestGen)

指标	值
写入测试文件数	20
覆盖函数数	200
输出目录	D:\陈飞帆\大学\数据挖掘\大作业\CodeAssistant\generated_tests

覆盖率报告 (coverage report -m)

Name	Stmts	Miss	Cover	Missing

pandas\pandas_init_.py	36	25	31%	46-238
pandas\pandas\config_init_.py	14	6	57%	34-35, 39-40, 44-45
pandas\pandas\config\config.py	276	162	41%	128-140, 187-191, 269-288, 332-341, 385-398, 402-403, 416-425, 428-431
pandas\pandas\config\dates.py	7	0	100%	
pandas\pandas\config\display.py	24	7	71%	27-28, 32-38, 42
pandas\pandas\libs_init_.py	5	3	40%	17-19
pandas\pandas\typing.py	152	0	100%	
pandas\pandas\compat_init_.py	30	12	60%	49-52, 64, 76, 88, 100, 112, 126, 138, 151
pandas\pandas\compat\constants.py	15	0	100%	
pandas\pandas\compat\optional.py	44	33	25%	77-84, 148-191
pandas\pandas\compat\numpy_init_.py	24	6	75%	18, 37-42
pandas\pandas\compat\pyarrow.py	27	11	59%	22-32
pandas\pandas\core_init_.py	0	0	100%	
pandas\pandas\core\config_init.py	203	196	3%	35-915
pandas\pandas\errors_init_.py	78	73	6%	18-1034
pandas\pandas\util_init_.py	19	17	11%	3-25, 29
pandas\pandas\util\exceptions.py	50	38	24%	23-34, 43-63, 87-101
pandas\pandas\util\version_init_.py	201	80	60%	24, 27, 30, 33, 36, 39, 42, 45, 53, 56, 59, 62, 65, 68, 71, 74, 108, 139, 146, 151
pandas\scripts_init_.py	0	0	100%	
pandas\scripts\check_for_inconsistent_pandas_namespace.py	62	44	29%	45-46, 49-54, 57-59, 63-83, 89-117, 121-135, 139
pandas\scripts\check_test_naming.py	65	50	23%	31-35, 39-41, 50, 56, 70, 80-138, 142-156
pandas\scripts\generate_pip_deps_from_conda.py	63	51	19%	48-66, 92-126, 130-154

pandas\scripts\sort_whatsnew_note.py	34	25	26%	44-62, 66-78, 82
pandas\scripts\tests_init_.py	0	0	100%	
pandas\scripts\tests\confest.py	2	0	100%	
pandas\scripts\tests\test_check_test_naming.py	8	4	50%	37-40
pandas\scripts\tests\test_inconsistent_namespace_check.py	24	8	67%	38-41, 48, 53-57
pandas\scripts\tests\test_sort_whatsnew_note.py	6	4	33%	5-30
pandas\scripts\tests\test_validate_docstrings.py	92	88	4%	10-530
pandas\scripts\tests\test_validate_exception_location.py	23	11	52%	32, 38-45, 51-54, 58-59
pandas\scripts\tests\test_validate_min_versions_in_sync.py	20	12	40%	47-58
pandas\scripts\tests\test_validate_unwanted_patterns.py	39	21	46%	56-60, 225-229, 257-259, 296-298, 315-332
pandas\scripts\validate_docstrings.py	218	206	6%	31-536
pandas\scripts\validate_exception_location.py	47	32	32%	43-47, 52-54, 57-70, 76-88, 92-101, 105
pandas\scripts\validate_min_versions_in_sync.py	196	163	17%	55-75, 79-84, 88-100, 106-126, 132-146, 152-179, 184-190, 196-227, 232-246, 250-256, 260-266, 270-276, 280-286, 290-296, 300-306, 310-316, 320-326, 330-336, 340-346, 350-356, 360-366, 370-376, 380-386, 390-396, 400-406, 410-416, 420-426, 430-436, 440-446, 450-456, 460-466, 470-476, 480-486, 490-496, 500-506
pandas\scripts\validate_unwanted_patterns.py	124	105	15%	88-95, 115-147, 164-177, 207-286, 310-340, 363-391, 430-442, 446-459
pandas\web\pandas_web.py	225	210	7%	43-506
pandas\web\tests\test_pandas_web.py	30	26	13%	12-88
tests\test_math_utils.py	9	7	22%	4-12

TOTAL	2492	1736	30%	