Rust workspace analysis

cargo judge on its own source tree · 1 crate, 54 authored files

About this report

The numbers are taken from the sample output in the judge repository (summary, health and map reports of judge run on itself), shortened by hand. judge does not write PDFs; this request was assembled from that output.

Overview

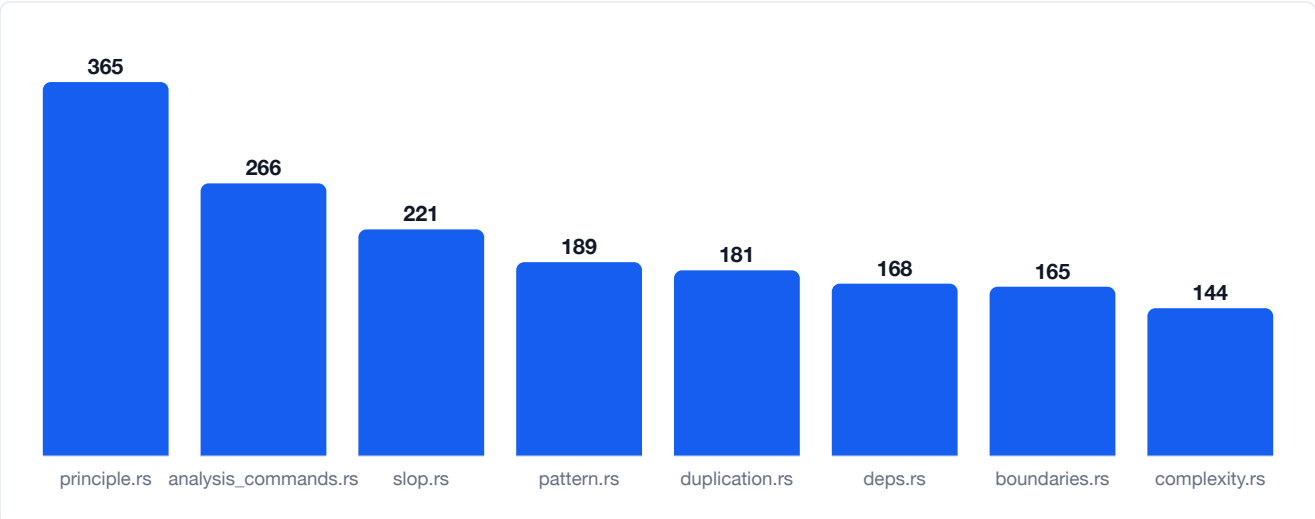
Findings	Advisories	Functions analysed	Boundary rules
671	333	2,092	0 checked

Evidence-backed findings by rule

Rule	Count	Representative location
duplicate-code	635	src/rules/principle.rs:550
panic-in-lib	22	src/advisory/coverage.rs:336
suppression-debt	11	src/commands/combined.rs:178
swallowed-result	2	src/rules/slopsquat.rs:356
restating-comment	1	src/rules/complexity.rs:1457

Where the complexity is

Top 8 files by total cyclomatic complexity



Most complex functions

Complexity	Function	Location
41	run	src/commands/health_command.rs:5
29	Command::run	src/commands/cli.rs:150
29	binop_label	src/rules/complexity.rs:731
27	Command::json_artifact	src/commands/cli.rs:115
25	run_dead_code_deep	src/commands/deep_commands.rs:34

Findings to review

MEDIUM

duplicate-code: 635 findings in repeated token spans

The largest clone family has 5 members of 27 tokens in one file, the pattern heuristic builders in src/rules/principle.rs. A second has 3 members of 95 tokens across 3 files (attrs_have_cfg_test).

Run cargo judge dupes for the families, grouped and prioritised. The ranking is an inspection list, not an instruction to merge.

MEDIUM

panic-in-lib: 22 locations

Panicking calls in library code, for example Finding::at_span in src/finding.rs:422 and FindingGraph::into_findings in src/finding.rs:973 to 976.

Return an error, or document the invariant that makes the panic unreachable.

MEDIUM

swallowed-result: write_cache ignores two results

Two results are discarded in src/rules/slopsquat.rs, lines 356 and 359, both in write_cache.

Handle the error or state why a failed cache write is harmless.

LOW

suppression-debt: 11 lint suppressions

All 11 silence clippy::too_many_arguments, 8 of them in src/rules/dead_code.rs.

Bundle the arguments in a struct where the same group travels together.

Next steps from judge

- cargo judge dupes: clone families, grouped and prioritised
- cargo judge --details: every finding and location
- cargo judge --format json: full machine-readable report in .judge/judge.json