Regression acceptance checker

Fictional sample. Requires tailoring and responsible review.

Document control

Field	Value
Document type	Regression acceptance checker
Document reference	12-regression-acceptance-checker
Jurisdiction	United States
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Status	Meets entered acceptance gates
Classification	Fictional sample. Requires tailoring.
Prepared by	Customer prepared
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Purpose and decision boundary

Check a candidate test run against customer-entered pass-rate regression and critical-failure gates, with every calculation visible.

The organization defines test coverage, failure severity and release authority. Meeting entered gates does not prove safety or compliance.

Entered counts and review thresholds

Input	Value	Basis
Baseline tests	240	Enter the total tests in the approved baseline run.
Baseline tests passed	228	Enter baseline tests that passed the stated criteria.
Candidate tests	240	Enter the total tests in the candidate run.

Input	Value	Basis
Candidate tests passed	226	Enter candidate tests that passed the same criteria.
Candidate critical failures	0	Enter candidate failures the organization classifies as critical.
Maximum allowed regression in percentage points	1.5	Enter the organization’s approved pass-rate regression gate.

Calculation findings

The candidate is within the entered pass-rate gate and has no reported critical failures.

Displayed percentages are rounded to two decimal places. Gates use unrounded expressions.

Measure	Result
Baseline pass rate	95.00%
Candidate pass rate	94.17%
Pass-rate regression	0.83 percentage points
Entered maximum regression	1.50 percentage points
Reported critical failures	0

Entered review gates

Gate	Result	Basis
Regression limit	Met	Exact count cross-products against the entered decimal threshold. Inclusive boundary.
No critical failures	Met	Entered critical failure count equals zero.

Method and precision

- Pass rate = passed tests divided by total tests.

- Regression = baseline pass rate minus candidate pass rate.

- Meets gates when regression is within the entered limit and critical failures equal zero.

- Counts and ratio gates use exact integer cross-products.

- JSON and the workbook retain unrounded numeric observations. Those are floating-point approximations. Gate decisions use exact count and decimal expressions.

Responsible review

- The organization defines test coverage, failure severity and release authority. Meeting entered gates does not prove safety or compliance.

- Confirm population completeness, labels, sampling and comparability against retained source evidence. This calculator accepts entered aggregate counts and does not inspect individual records.

- Customer-entered gates do not establish statistical significance, fairness, legal compliance or release approval.

Official sources

Source	Provision	Date	Link
National Institute of Standards and Technology: NIST AI Resource Center	Testing, evaluation, verification and validation resources. This source supports the Regression acceptance checker scope described on this page. It does not determine applicability or approve the customer result.	September 24, 2026	https://airc.nist.gov/
National Institute of Standards and Technology: Artificial Intelligence Risk Management Framework 1.0	Govern, Map, Measure and Manage. This source supports the Regression acceptance checker scope described on this page. It does not determine applicability or approve the customer result.	September 24, 2026	https://www.nist.gov/itl/ai-risk-management-framework