

FRONTIERS / REVIEW RECORD

The Persuasion Hearing

Faculty-led changes, decisions and verification

Faculty recommendations take priority when learner preferences conflict. Compatible learner suggestions improve task clarity and organization while retaining demanding reading, independent causal reasoning and unfamiliar transfer. No website publication was requested or performed.

What changed

Audit the six exact factual sentences: Use D4 and P-21. Each row starts blank. Choose a status, identify the decisive reference or the missing evidence, and explain why that record settles or leaves open this exact wording. Submit the separate “fairest option” value note in the decision fields.

Offer, reach and completion evidence: Fictional T3 reach display: 500 households are assigned the guide offer; 180 start, including 100 who finish. The other 400 comprise 320 who never start and 80 who start without finishing. These are nested populations. Use T2-T3 to show the calculation and estimand; later prose should use these entries rather than repeat them.

Revised inference and a test of one link: After T4, classify the quantities and design one comparison with two accounts predicting the same outcome for the same population. A valuable complaint-access policy evaluation may answer a new question; name which earlier causal question remains open. Reuse these rows in the final test argument.

Seven evidence checks include fresh representation practice. Selected checks require a submitted rationale before explanatory feedback. Original artwork, source facts, difficult readings, political alternatives and prior histories remain. Six distinct human-review criteria avoid double scoring; blank planning frames and learner-controlled note reuse support the work without filling in an answer.

Instructor controls and saved work

Code5907 and the existing advanced controls remain. Four added switches independently assign workspaces, written justifications, graph checks and note reuse. The complete set includes the updated backend, source and tests. Schema6 records retain cells, submitted rationales, copy provenance and help openings. Earlier saves are archived intact; revised work requires new submissions.

Verification and limits

The original application JavaScript was executed in a minimal event/API VM with adversarial fixtures. Static rendered markup was checked separately. The backend was tested on an isolated localhost service. These checks do not establish native-browser layout, mobile behavior, keyboard usability, live hosted deployment, classroom timing or learning gains. Writing is recorded for a person to assess; fluency and completion are not semantic mastery.

Engine test record

Method: Actual scripts in the supplied minimal event/API VM; not native-browser, accessibility, backend, semantic-mastery or learning validation.

Fixture boundary: Original S1 authored route responses plus clearly labelled mechanically valid new cells. Passing recording gates is not evidence of learning or answer quality.

Totals

Modules requested: 5

Assembled modules: 5

Tests: 283

Passed: 283

Failed: 0

Completed routes: 5

Correct option branches: 35

Wrong option branches: 105

Started at: 2026-10-13T17:40:00.742Z

Finished at: 2026-10-13T18:18:51.241Z

Tested file

Module: persuasion-hearing

File: deliverables/Frontiers_The_Persuasion_Hearing.html

Sha256: ec2e9943447388873f7c84db83151fb529fb72390eb264ec1ad8022ce83fae44

Checks: 7

Module route

Module: persuasion-hearing

Completed: Yes

Steps

Entry 1

Stage: 0

Ready: Yes

Entry 2

Stage: 1

Ready: Yes

Entry 3**Stage:** 2**Ready:** Yes**Entry 4****Stage:** 3**Ready:** Yes**Entry 5****Stage:** 4**Ready:** Yes**Objective count:** 7**Recording only:** Yes**Original fixture:** revision/evidence/responses/s1/persuasion-hearing/response.json

Module passing tests: seven checks each expose one correct and three wrong options; choice comparison/d records wrong and selected feedback; choice comparison/a records wrong and selected feedback; choice comparison/c records wrong and selected feedback; choice comparison/b records correct and selected feedback; choice scope/c records correct and selected feedback; choice scope/a records wrong and selected feedback; choice scope/d records wrong and selected feedback; choice scope/b records wrong and selected feedback; choice transfer/a records wrong and selected feedback; choice transfer/d records wrong and selected feedback; choice transfer/b records correct and selected feedback; choice transfer/c records wrong and selected feedback; choice ruling/b records wrong and selected feedback; choice ruling/d records correct and selected feedback; choice ruling/c records wrong and selected feedback; choice ruling/a records wrong and selected feedback; choice data-read/a records wrong and selected feedback; choice data-read/c records wrong and selected feedback; choice data-read/b records correct and selected feedback; choice data-read/d records wrong and selected feedback; choice data-infer/a records correct and selected feedback; choice data-infer/d records wrong and selected feedback; choice data-infer/b records wrong and selected feedback; choice data-infer/c records wrong and selected feedback; choice data-design/a records wrong and selected feedback; choice data-design/c records correct and selected feedback; choice data-design/d records wrong and selected feedback; choice data-design/b records wrong and selected feedback; all seven correct and all twenty-one wrong branches exercised; justification gate comparison rejects empty numeric padding and repeated words before feedback; justification gate ruling rejects empty numeric padding and repeated words before feedback; justification gate data-infer rejects empty numeric padding and repeated words before feedback; justification gate data-design rejects empty numeric padding and repeated words before feedback; numeric-only final reflection and data note are not accepted as prose; workspace source-comparison-cards requires exactly declared row.fields with blank and invalid cells rejected; workspace observed-and-proposed-links requires exactly declared row.fields with blank and invalid cells rejected; workspace six-sentence-reference-audit requires exactly declared row.fields with blank and invalid cells rejected; workspace offer-and-completion-ledger requires exactly declared row.fields with blank and invalid cells rejected; workspace revised-inference-and-test requires exactly declared row.fields with blank and invalid cells rejected; six claim statuses checked selectively while reference and reason remain required; workspace JSON normalization trims numbers and rejects invalid number types and selection IDs; complete class route from original S1 notes plus new mechanical cells;



unfilled Fun route finishes exploration without class completion and returns to missing class work; assignment flags keep workspace justification graph and data requirements separate; first-recorded wrong choice remains frozen and on-request feedback does not precede submission; own-note copies retain source snapshot provenance after source and copied field edits; text print and progress exports preserve cells rationales reflection provenance and exact representation; saved workspace exports survive earlier-task invalidation; schema6 complete roundtrip retains rationales workspaces frozen initial records and completion; schema5 migration preserves exact archived prose and submitted history without crediting v6 checks; preserved revised-run roundtrip retains prior complete schema6 history and familiar-evidence flag; save collision preserves both branches until explicit restore or keep; help and hint openings remain distinct from authored submitted histories on roundtrip; Fun to Class rationale supplement preserves selected choice original empty rationale and after-feedback provenance; valid initial workspace commitment remains sealed even during Fun revisiting; 5907 workspace OFF commit then ON permits labelled after-late completion while original cells stay sealed; workspace planning hints honor the saved instructor switch

Module failures: None

Static rendered markup test record

Method: Original application JavaScript executed by the supplied VM. Generated DOM strings merged into the original HTML shell and parsed using lxml. Checks IDs, form names/references, image alternatives, table headers, SVG coordinate bounds and late-record reveal guards. Synthetic fixture prose exercises recording gates only; no content mastery, real learner, browser, CSS layout or assistive-technology claim.

Module count: 5

Snapshot count: 85

Issue count: 0

Runtime error count: 0

Module record

ID: persuasion-hearing

File: Frontiers_The_Persuasion_Hearing.html

Sha256: ec2e9943447388873f7c84db83151fb529fb72390eb264ec1ad8022ce83fae44

Build version: faculty-led-revision-v6

Complete synthetic fixture accepted: Yes

Snapshot count: 17

Issue count: 0

Current full-article access check

The earlier review roles did not establish access to every full article. This later check verifies 10 of the 10 main texts. The full Science PDF supplied by the user completed the Tessler main-text check on 13 October 2026. Supplement access is recorded separately; the uploaded main article does not contain the separate Science supplement. Current access cannot retroactively establish what earlier reviewers read.

Article	On the conversational persuasiveness of GPT-4
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Full main text verified	True
Version	Published 19 May 2025; Author Correction 3 September 2026 updates main text and supplement.
Article	The levers of political persuasion with conversational artificial intelligence
Full main text verified	True
Version	Published 4 December 2025; author repository confirms Science 390(6777), eaea3884.

Complete recommendation decisions

Every decision entry below records the feedback basis, implemented location or behavior, faculty-priority conflict decision and any concrete deferral. Module notes were prepared before shared integration; references to remaining root work are resolved by the verified current build above. The full metadata, original JSON ledger and raw tests are included in verification/.

Module decisions

Entry 1

ID: P1-I-1

Origins: p1/review.json :: persuasion-hearing/problems[0]

Recommendation: Prevent causal or reliability attribution of the larger T4 knowledge contrast to first-screen coverage; require a direct version contrast.

Status: implemented

Locations: revision.transfer.lateRecord; revision.transfer.revisionFields; workbenches.revised-inference-and-test; teacherKey.quantitative.transfer_T4

Implementation: Names T2/T4 as separate experiments without precision; requires quantity labels and a direct component or named package design with equivalent invitation/follow-up. Larger descriptive contrast remains visible.

Conflict or limit: A real official-service test must retain complete information and usable rights in all arms. A lawful presentation contrast or bounded nonbinding prototype estimates the feature actually varied; it does not recreate a rights-denying official omission.

Entry 2

ID: P1-I-2

Origins: p1/review.json :: persuasion-hearing/problems[1]

Recommendation: Create six empty classification/reference rows and a separate value note; retain connected legal/causal defense.

Status: implemented

Locations: workbenches.six-sentence-reference-audit; revision.decision.fields

Implementation: Six exact sentences each have blank status/reference/reason cells. The separate valueJudgment field defends a standard; defense uses the audit without duplicating all rows. Reasons and political choices remain human-reviewed.

Conflict or limit: No conflict with the authorized scope.

Entry 3

ID: P1-I-3

Origins: p1/review.json :: persuasion-hearing/problems[2]

Recommendation: Add a different-topic numerical odds illustration and two-condition/unit cards.

Status: implemented

Locations: papers[0].method; papers[0].technical; papers[*].contrastTable;
workbenches.source-comparison-cards

Implementation: Optional fictional parcel counts show probabilities, odds, odds ratio and percentage-point change; source tables/cards bind population, outcome and unit to each contrast.

Conflict or limit: Binary support is explicitly not a reconstruction or probability conversion of Article A's ordinal-regression model.

Entry 4

ID: P2-I-1

Origins: p2/review.json :: persuasion-hearing/problems[0]

Recommendation: Require a direct contrast, decision threshold versus equivalence, and missing precision information rather than interval-overlap subtraction.

Status: implemented

Locations: dataWorkshop.guide; dataWorkshop.reasonPrompt; checks.data-read; checks.data-infer;
checks.data-infer.justificationPrompt

Implementation: Authored numerical explanation must name the direct interval, explain why separate intervals cannot supply difference uncertainty, distinguish the stipulated threshold from equivalence, and name needed precision/design information. Wrong-option feedback explains each actual mistake.

Conflict or limit: No conflict with the authorized scope.

Entry 5

ID: P2-I-2

Origins: p2/review.json :: persuasion-hearing/problems[1]

Recommendation: Require exact weighted recomposition, offer/completion estimands and a bounded completion/use design with assumptions.

Status: implemented

Locations: workbenches.offer-and-completion-ledger; revision.transfer.initialFields;
teacherKey.quantitative.transfer_T3

Implementation: Required initial rows show two offer calculations, weighted finisher/nonfinisher recomposition and distinct target quantities. Completion row asks what is unestimated and which inference is lost when only finishers are followed.

Conflict or limit: No completion estimate is invented. Proposed use design must preserve voluntary access and state assignment/compliance/selection assumptions; earlier-interest adjustment alone is insufficient.

Entry 6

ID: P2-I-3

Origins: p2/review.json :: persuasion-hearing/problems[2]

Recommendation: Make six-claim support/contradiction/missing-evidence judgments inspectable outside a general governance paragraph.

Status: implemented

Locations: workbenches.six-sentence-reference-audit; revision.decision.fields.valueJudgment; reviewPrompts

Implementation: Required exact rows and separate normative note are exported for criterion review; connected institutional defense remains required.

Conflict or limit: No conflict with the authorized scope.

Entry 7

ID: P3-I-1

Origins: p3/review.json :: persuasion-hearing/problems[0]

Recommendation: Separate the exact sentence audit, normative reason and causal defense without supplying statuses in hints.

Status: implemented

Locations: workbenches.six-sentence-reference-audit; revision.decision.fields

Implementation: All rows start blank; the method hint targets exact qualifiers and deciding records without choosing a classification. Value and defense are separate authored fields.

Conflict or limit: No conflict with the authorized scope.

Entry 8

ID: P3-I-2

Origins: p3/review.json :: persuasion-hearing/problems[1]

Recommendation: Name randomized component/package, estimand and retained population; challenge finisher-only follow-up and post-treatment mediator claims.

Status: implemented

Locations: investigation.core.challenge.question; dataWorkshop.reasonPrompt; workbenches.offer-and-completion-ledger; revision.transfer.initialFields; revision.transfer.revisionFields.test

Implementation: P-29 tests are individually reconstructed. Proposed tests name changed feature, comparable features, outcome/population, package/component scope and assumptions; the completion row asks the lost offer inference under finisher-only follow-up.

Conflict or limit: No conflict with the authorized scope.

Entry 9

ID: P3-I-3

Origins: p3/review.json :: persuasion-hearing/problems[2]

Recommendation: Keep the optional interval example, separate example use from independent success, and add a less-cued unfamiliar display with written interpretation.

Status: implemented

Locations: dataWorkshop.workedExample; graphPractice; checks.data-design; teacherKey.review_method

Implementation: The original different-topic interval example remains. New library contrast rows put the added component first with a negative point and require an original unit/axis/direct-interval rationale. Human key requires separate method-help/example histories.

Conflict or limit: Shared root renderer owns example-use logging. New context/encoding does not establish unaided delayed mastery; a genuine delayed human administration remains a pilot recommendation.

Entry 10

ID: P4-I-1

Origins: p4/review.json :: persuasion-hearing/problems[0]

Recommendation: Make every claim status/reference/reason and the separate value judgment independently reviewable.

Status: implemented

Locations: workbenches.six-sentence-reference-audit; revision.decision.fields; teaching.rubric

Implementation: Exact status checks are selective; reference/reason and value quality use a dedicated human criterion without ideological scoring.

Conflict or limit: No conflict with the authorized scope.

Entry 11

ID: P4-I-2

Origins: p4/review.json :: persuasion-hearing/problems[1]

Recommendation: Offer a blank observed/proposed/experimentally contrasted chain, choose an unidentified link, and predict two distinct observations.

Status: implemented

Locations: workbenches.observed-and-proposed-links; firstQuestion; investigation.core.question; planningFrames

Implementation: Optional blank link rows contain no supplied mechanism. Required inquiry prompts mark status, nominate one link and hold outcome/population fixed across two accounts and predictions.

Conflict or limit: No conflict with the authorized scope.

Entry 12

ID: P4-I-3

Origins: p4/review.json :: persuasion-hearing/problems[2]

Recommendation: Pair the collage with exact fictional assigned/start/finish counts and separate access from support.

Status: implemented

Locations: revision.transfer.records.T3; workbenches.offer-and-completion-ledger; planningFrames.Optional art-and-evidence reflection

Implementation: Exact nested count display identifies 500 assigned, 180 starters, 100 finishers, 320 nonstarters and 80 partial users. The optional art prompt compares visual rhetoric with observed reach/outcomes.

Conflict or limit: Original collage retained. These reach counts are arithmetic expansions of the existing fictional log, not new empirical findings.

Entry 13

ID: P5-I-1

Origins: p5/review.json :: persuasion-hearing/problems[0]

Recommendation: Use a binary-odds analogy explicitly limited relative to the ordinal model, plus unit-aware source comparison.

Status: implemented

Locations: papers[0].technical; papers[0].method; revision.sourceTasks; papers[*].contrastTable

Implementation: Optional fictional 25/100 and 40/100 groups illustrate odds ratio 2 while probabilities differ by 15 percentage points. Required source notes explain specific conditions/populations/units and forbid cross-unit subtraction.

Conflict or limit: No study odds are converted into a headcount or probability.

Entry 14

ID: P5-I-2

Origins: p5/review.json :: persuasion-hearing/problems[1]

Recommendation: Require six learner-authored audit rows, value judgment and separate mechanism/test defense; completion may inspect rows but not infer mastery.

Status: implemented

Locations: workbenches.six-sentence-reference-audit; revision.decision.fields; teacherKey.boundary; teacherKey.review_method

Implementation: Six rows must be populated; exact statuses can be checked, while reasons and connected defense await human review. No policy preference receives an automatic semantic grade.

Conflict or limit: No conflict with the authorized scope.

Entry 15

ID: P5-I-3

Origins: p5/review.json :: persuasion-hearing/problems[2]

Recommendation: Before the final transfer test classify descriptive contrasts versus interval estimates and separate experiments; do not invent precision.

Status: implemented

Locations: workbenches.revised-inference-and-test; revision.transfer.revisionFields.revision; revision.transfer.lateRecord

Implementation: Three required quantity rows classify the workshop, T2 and T4 and state their scope. T4 explicitly limits larger sample contrasts to description, without reliable-improvement or coverage-effect claims.

Conflict or limit: No conflict with the authorized scope.

Entry 16

ID: P1-S-1

Origins: p1/semantic.json :: persuasion-hearing/findings[2]

Recommendation: Replace compatible objective-versus-learning rivalry with one same-link, same-outcome comparison.

Status: implemented

Locations: firstQuestion; investigation.core.question; workbenches.observed-and-proposed-links; teacherKey.core_process.rivals

Implementation: Account and rival must fix outcome, population and chosen link, state two differing predictions under one comparison, and acknowledge possible coexistence. An approval objective does not rule out accurate learning.

Conflict or limit: No conflict with the authorized scope.

Entry 17

ID: P2-S-1

Origins: p2/semantic.json :: persuasion-hearing/weaknesses[0]

Recommendation: Separate incorrect-content auditing from identifying what caused movement.

Status: implemented

Locations: investigation.core.revisionPrompt; investigation.core.challenge.question; teacherKey.core_process.counterrecord

Implementation: A reference contradiction is a reliability finding; prompts explicitly require a distinct comparison or measure before attributing support movement to that content.

Conflict or limit: No inaccurate-learning mechanism is asserted for the fictional supplier.

Entry 18

ID: P2-S-2

Origins: p2/semantic.json :: persuasion-hearing/weaknesses[1]

Recommendation: Keep rivals on the same outcome/population; finisher selection cannot silently rival a different all-offered contrast; require recomposition.

Status: implemented

Locations: revision.transfer.initialFields.rival; workbenches.offer-and-completion-ledger; workbenches.revised-inference-and-test

Implementation: Targets are named before rival comparison. Required recomposition explains coexistence, and repeated account rows make shared outcome/population/link inspectable.

Conflict or limit: No conflict with the authorized scope.

Entry 19

ID: P2-S-3

Origins: p2/semantic.json :: persuasion-hearing/weaknesses[2]

Recommendation: Preserve usable multilingual independent complaints in every experimental arm; state the protected comparison's remaining claim and follow-up plan.

Status: implemented

Locations: revision.transfer.revisionFields.test; workbenches.revised-inference-and-test; teacherKey.transfer.feasible_tests

Implementation: Known language barriers cannot be the sole control route. Every arm requires complete information and usable staffed/translated or equivalent independent complaints; a lawful format/discoverability or nonbinding comparison names the identified component/package and missing-follow-up handling.

Conflict or limit: Nonbot information access is expressly insufficient to demonstrate complaint-language access.

Entry 20

ID: P3-S-1

Origins: p3/semantic.json :: persuasion-hearing/concerns[0]

Recommendation: Nominate one outcome/population/link across successive rivals and allow compatible processes.

Status: implemented

Locations: revision.transfer.initialFields; workbenches.revised-inference-and-test; reviewPrompts

Implementation: Both account rows use identical target labels, and review asks whether predictions discriminate or processes coexist. A selected-finisher observation cannot substitute for an all-assigned target.

Conflict or limit: No conflict with the authorized scope.

Entry 21

ID: P3-S-2

Origins: p3/semantic.json :: persuasion-hearing/concerns[1]

Recommendation: Label a newly prioritized complaint-access link and state the earlier causal uncertainty deferred.

Status: implemented

Locations: revision.transfer.revisionFields.test;
workbenches.revised-inference-and-test.protected-comparison; briefFields.limit

Implementation: Test synthesis names its question, the earlier uncertainty/duty it does not evaluate and an observation changing the current condition. A valuable access policy test does not claim to settle the earlier support mechanism.

Conflict or limit: No conflict with the authorized scope.

Entry 22

ID: P4-S-1

Origins: p4/semantic.json :: persuasion-hearing/limitations[0]

Recommendation: Require lawful complaint evaluation with two usable formats, a protected fallback or bounded nonbinding prototype.

Status: implemented

Locations: revision.transfer.revisionFields.test;
workbenches.revised-inference-and-test.protected-comparison; teacherKey.transfer

Implementation: Usable language/access rights apply in every arm. The student must specify the component still varied and bounded causal claim, not merely mention paper information.

Conflict or limit: No conflict with the authorized scope.

Entry 23

ID: P4-S-2

Origins: p4/semantic.json :: persuasion-hearing/limitations[1]

Recommendation: Do not label a broad coverage/access invitation package as a uniquely identified framing mechanism; collect encounter/use measures or vary one lawful feature.

Status: implemented

Locations: revision.transfer.initialFields.prediction; revision.transfer.revisionFields.test;
investigation.frontier.prompt; teacherKey.transfer.feasible_tests

Implementation: Every proposal names component/package scope; engagement-changing packages require intermediate encounter/use measures and all assigned follow-up. Coexisting selection and framing remain possible.

Conflict or limit: No forced completion or right-denying official version is required.

Entry 24

ID: P4-S-3

Origins: p4/semantic.json :: persuasion-hearing/limitations[2]

Recommendation: Identify precise same-outcome link before contrasting version objective with accurate learning.

Status: implemented

Locations: investigation.core.question; investigation.core.revisionPrompt; teacherKey.core_process.rivals

Implementation: Required account/rival prompts hold the target fixed, allow objectives to select accurate information and credit reasoned later narrowing.

Conflict or limit: No conflict with the authorized scope.

Entry 25

ID: P5-S-1

Origins: p5/semantic.json :: persuasion-hearing/limitations[0]

Recommendation: Separate a useful access policy evaluation from mechanism rivalry across different response dimensions.

Status: implemented

Locations: workbenches.revised-inference-and-test; revision.transfer.revisionFields.test; teacherKey.transfer.incomplete

Implementation: Both accounts must predict the same specified measure under one comparison. Changing from support to complaint use is labelled a new question with prior uncertainty deferred.

Conflict or limit: No conflict with the authorized scope.

Entry 26

ID: P5-S-2

Origins: p5/semantic.json :: persuasion-hearing/limitations[1]

Recommendation: Do not use factual-score nonmovement as proof of manipulation or require added options to lower support.

Status: implemented

Locations: investigation.core.revisionPrompt; revision.transfer.revisionFields.revision; teacherKey.core_process.rivals; teacherKey.transfer.incomplete

Implementation: Prompts acknowledge that factual tests do not capture every legitimate reason/value change. Review requires meaningful shared-outcome prediction differences, without a mandatory downward support prediction.

Conflict or limit: No conflict with the authorized scope.

Entry 27

ID: P5-S-3

Origins: p5/semantic.json :: persuasion-hearing/limitations[2]

Recommendation: Use larger descriptive sample contrast language across T2/T4, without reliable-improvement attribution.

Status: implemented

Locations: revision.transfer.lateRecord; workbenches.revised-inference-and-test; teacherKey.quantitative.transfer_T4

Implementation: Explicit descriptive/interval classification and separate-experiment limits preserve the observed values without adding precision or a correction effect.

Conflict or limit: No conflict with the authorized scope.

Entry 28

ID: L-ODDS

Origins: s1..s5/review.json :: persuasion-hearing/confusingTerms/Relative odds

Recommendation: Optional unrelated probability-to-odds support without converting assessed article effects.

Status: implemented

Locations: papers[0].method; papers[0].technical

Implementation: Provides the unrelated binary example with separate probability, odds, ratio and percentage-point labels, explicitly limited to an analogy.

Conflict or limit: No conflict with the authorized scope.

Entry 29

ID: L-MEDIATOR

Origins: s1..s5/review.json :: persuasion-hearing/confusingTerms/Mediator

Recommendation: Clarify causal mediator versus a deliberation facilitator at first use and in the glossary.

Status: implemented

Locations: papers[1].explanation[3]; revision.glossary

Implementation: Uses intermediate causal link as the leading term and explicitly distinguishes facilitator meaning.

Conflict or limit: No conflict with the authorized scope.

Entry 30

ID: L-ASSIGNED

Origins: s1..s5/review.json :: persuasion-hearing/confusingTerms/All-assigned effect

Recommendation: Lead with the effect of offering the service including nonusers; retain nested offered/start/finish counts.

Status: implemented

Locations: revision.glossary; revision.transfer.records.T3; workbenches.offer-and-completion-ledger

Implementation: Technical label receives a plain-language explanation; exact fictional counts remain visible beside calculations.

Conflict or limit: No conflict with the authorized scope.

Entry 31**ID:** L-CARDS**Origins:** s1..s5/review.json :: persuasion-hearing/supportNeededWithoutLoweringDemand**Recommendation:** Keep conditions, changed/fixed feature, population, outcome and unit visible together.**Status:** implemented**Locations:** papers[*].contrastTable; workbenches.source-comparison-cards; revision.sourceTasks**Implementation:** Supplied source tables append population/outcome/unit columns; optional blank cards preserve learner-owned reasoning and required source reconstruction.**Conflict or limit:** No conflict with the authorized scope.**Entry 32****ID:** L-LIVE**Origins:** s1/review.json :: persuasion-hearing/whereThinkingWasRequired; s5/review.json :: persuasion-hearing/supportNeededWithoutLoweringDemand**Recommendation:** Distinguish whole-version ranking from live reply choice.**Status:** implemented**Locations:** revision.glossary/Version selection; investigation.core.records.objective; teacherKey.core_process**Implementation:** Keeps the original ranking-sheet boundary and adds a plain-language glossary reminder; no live-selection mechanism is invented.**Conflict or limit:** No conflict with the authorized scope.**Entry 33****ID:** L-AUDIT**Origins:** s1..s5/review.json :: persuasion-hearing/supportNeededWithoutLoweringDemand; s5/review.json :: persuasion-hearing/confusingQuestions/License defense**Recommendation:** Separate claim auditing from the connected causal defense.**Status:** implemented**Locations:** workbenches.six-sentence-reference-audit; revision.decision.fields**Implementation:** Six exact blank rows plus a separate value note replace buried audit requirements while retaining the full institutional/causal argument.**Conflict or limit:** No conflict with the authorized scope.**Entry 34****ID:** L-TWO-TESTS**Origins:** s1/review.json :: persuasion-hearing/confusingQuestions/P-29 comparison and revision

Recommendation: Organize P-29's two tests before synthesis.

Status: implemented

Locations: investigation.core.challenge.question; planningFrames.Core account and second-inspection checklist

Implementation: Explicit separate assigned-change/population/outcome reconstruction precedes the same-link rival and inference.

Conflict or limit: No conflict with the authorized scope.

Entry 35

ID: L-TRANSFER-SEQUENCE

Origins: s1/review.json :: persuasion-hearing/confusingQuestions/Westmere initial mechanism; s1/review.json :: persuasion-hearing/readingWritingBurden

Recommendation: Number institutional account, offer calculations, selected completion and connecting explanation.

Status: implemented

Locations: planningFrames.Transfer and synthesis checklist; workbenches.offer-and-completion-ledger; revision.transfer.initialFields

Implementation: Visible deliverables divide arithmetic/estimands from positive institutional argument; initial prose uses recorded ledger calculations rather than retyping them.

Conflict or limit: No conflict with the authorized scope.

Entry 36

ID: L-PRIORITY

Origins: s2/review.json :: persuasion-hearing/confusingQuestions; s2/review.json :: persuasion-hearing/disliked; s4/review.json :: persuasion-hearing/supportNeededWithoutLoweringDemand

Recommendation: Prioritize one chosen unresolved link without removing other institutional duties.

Status: implemented

Locations: firstQuestion; revision.transfer.intro; revision.transfer.initialFields; revision.transfer.revisionFields.test

Implementation: One same-outcome link anchors the causal task; proposed test names the duties and earlier question it does not evaluate.

Conflict or limit: Faculty priority preserves complete reading, claim audit, licensing and counterevidence rather than shrinking the inquiry to one answer.

Entry 37

ID: L-LINK-STATUS

Origins: s3/review.json :: persuasion-hearing/confusingQuestions/Core process question; s4/review.json :: persuasion-hearing/confusingQuestions; s5/review.json :: persuasion-hearing/confusingQuestions/Core

causal-process question

Recommendation: Mark observed/hypothesized/experimentally contrasted links and generate a rival at one step.

Status: implemented

Locations: workbenches.observed-and-proposed-links; investigation.core.question; planningFrames

Implementation: Blank optional chain and required chosen-target prompts remove pressure to prove an unobserved complete chain.

Conflict or limit: No conflict with the authorized scope.

Entry 38

ID: L-PLAUSIBLE-MC

Origins: s1..s5/review.json :: persuasion-hearing/hintAssessment; s3/review.json :: persuasion-hearing/hintAssessment; s5/review.json :: persuasion-hearing/disliked

Recommendation: Replace conspicuous overclaim distractors with bounded errors and require original rationale.

Status: implemented

Locations: checks; checks.comparison.justificationPrompt; checks.data-infer.justificationPrompt; checks.ruling.justificationPrompt; checks.data-design

Implementation: All original incorrect choices receive specific contrast, unit, estimand or identification failures and option-specific feedback; the four requested checks record a rationale before explanatory feedback. Original six correct IDs remain.

Conflict or limit: No conflict with the authorized scope.

Entry 39

ID: L-OPTIONAL-DETAIL

Origins: s2/review.json :: persuasion-hearing/supportNeededWithoutLoweringDemand; s4/review.json :: persuasion-hearing/disliked

Recommendation: Keep exact paper details optional and visible without memory demands.

Status: implemented

Locations: papers[0].technical; revision.sourceTasks.sourceA; papers[0].contrastTable.caption

Implementation: Exact estimates/correction remain supplied, but required source performance is condition/population/outcome/unit and inference rather than memorization.

Conflict or limit: Neither the correction nor meaningful uncertainty is removed.

Entry 40

ID: L-PAUSE

Origins: s3/review.json :: persuasion-hearing/readingWritingBurden; s4/review.json :: persuasion-hearing/readingWritingBurden; s5/review.json :: persuasion-hearing/readingWritingBurden

Recommendation: Allow reading/writing pauses and visible progress without calling the module a quick game.

Status: implemented

Locations: facilitatorPrompt; teaching.timingNote; planningFrames

Implementation: Existing save/return and advanced controls remain; facilitator encourages a pause and separate sessions. No duration estimate is asserted.

Conflict or limit: Shared controls and persistence are root-owned; no new human readiness or time-on-task result is claimed.

Entry 41

ID: L-SYNTHESIS

Origins: s1..s5/review.json :: crossModuleNotes/final brief repetition

Recommendation: Transform prior notes into a brief with actual revision/new uncertainty rather than duplicate entry.

Status: implemented

Locations: briefRevisionPrompt; briefFields; teaching.coreSteps; planningFrames

Implementation: Final fields invite deliberate source/decision reuse and require a revised inference or justified retention, preserved positive finding and new/deferred uncertainty. Root supplies carry-forward actions.

Conflict or limit: No conflict with the authorized scope.

Entry 42

ID: L-DISCUSSION

Origins: s2/review.json :: crossModuleNotes/final discussion; s3/review.json :: crossModuleNotes/classroom discussion

Recommendation: Support articulation and defensible political disagreement through a discussion checkpoint.

Status: implemented

Locations: facilitatorPrompt; reviewPrompts; teacherKey.boundary

Implementation: Optional discussion contrasts two feasible licenses and the strongest burden on each; human review rewards accurate numerical/legal reasoning rather than a favored ideology.

Conflict or limit: No conflict with the authorized scope.

Entry 43

ID: L-ART

Origins: s1..s5/review.json :: persuasion-hearing/artReaction

Recommendation: Keep the collage conceptual and distinct from evidence; some learners prefer fewer or more case-specific fragments.

Status: implemented with artwork-refresh deferred

Locations: design.artAlt; design.artCaption; planningFrames.Optional art-and-evidence reflection

Implementation: Existing decorative/evidence caption is retained and an optional art-versus-observed-reach prompt is added.

Conflict or limit: Artwork replacement/focal recropping is deferred because the user explicitly requires preserving unique existing artwork; no empirical preference or rendered-usability claim is made.

Entry 44

ID: X-STRUCTURE

Origins: p1..p5/review.json :: crossModuleNotes/structural scaffolding; p2..p4/semantic.json :: crossModule findings

Recommendation: Make difficult products visible without simplifying source reading or generating filled answers.

Status: implemented

Locations: workbenches; planningFrames; revision

Implementation: Two optional ledgers and three coherent required products organize source/core/audit/transfer tasks. All cells start blank; later prose deliberately uses ledger entries. All required readings and counterrecords remain.

Conflict or limit: No conflict with the authorized scope.

Entry 45

ID: X-GRAPH

Origins: p2/review.json :: crossModuleNotes/graph representation; p5/review.json :: crossModuleNotes/unfamiliar encodings

Recommendation: Add exact accessible representation work beyond a cued interval-recognition task.

Status: implemented

Locations: graphPractice; checks.data-design

Implementation: New fictional library intervals use a changed context/order/sign; a unit/contrast/uncertainty display critique has one correct option plus original justification and exact accessible values.

Conflict or limit: No general graph-literacy or learning-gain claim follows from this added task.

Entry 46

ID: X-FEEDBACK

Origins: p4/review.json :: crossModuleNotes/wrong-answer feedback; p5/review.json :: crossModuleNotes/post-submission audit

Recommendation: Wrong-option feedback must explain the selected mistake; method hints stay non-spoiling.

Status: implemented

Locations: checks.*.options[*].feedback; checks.*.hint; dataWorkshop.hintPolicy

Implementation: Every original wrong option now identifies its actual unit/contrast/selection/threshold/causal-identification error. New representation feedback is also choice-specific. Hints cue methods without supplying statuses, calculations or policy choices.

Conflict or limit: No conflict with the authorized scope.

Entry 47

ID: X-REVIEW

Origins: p1..p5/review.json :: crossModuleNotes/human semantic assessment; p1..p5/semantic.json :: runtime-versus-mastery boundaries

Recommendation: Align criterion review, retain justified disagreement/retention and avoid double-counting.

Status: implemented

Locations: teaching.rubric; reviewPrompts; teacherKey.assessment_dimensions; teacherKey.review_method

Implementation: Consolidates nine overlapping rubric entries into six aligned criteria. Teacher inspects authored references, calculations, rivals, rights and revisions; source/numerical evidence shared with transfer is scored once.

Conflict or limit: No conflict with the authorized scope.

Entry 48

ID: X-HUMAN-PILOT

Origins: p1..p5/review.json :: crossModuleNotes/human pilot; p3/review.json :: crossModuleNotes/delayed unfamiliar task; p5/review.json :: crossModuleNotes/delayed new-case task

Recommendation: Eventually conduct a human native-browser/target-age pilot and delayed unfamiliar assessment before efficacy/usability claims.

Status: deferred

Locations: teaching.timingNote; teacherKey.review_method; buildStatus

Implementation: Existing pending-validation language remains and the key limits claims about the new task.

Conflict or limit: A human pilot, real delay and learning/engagement measurements are outside this authorized local revision. No human trial, completion-time estimate, accessibility certification or learning-gain claim is created.

Shared controls and backend decisions

Shared implementation decisions

Entry 1

ID: SHARED-SETTINGS-COMPATIBILITY

Sources: User preservation requirement; revision/REVISION_CONTRACT.md · required-work and representation switches

Recommendation: Add the new requirements while preserving every advanced5907 control and backward compatibility.

Status: implemented

Locations: advanced-controls.js · defaults/normalizeSettings/renderInstructor; server.js · settingDefaults/validateSettings/publicClass/config and course retrieval

Behavior: Four true defaults under the existing settings schema1; only new omissions default. Instructor exports/imports, local collision guards and server assignment revisions include the new switches. Strict old-key validation remains.

Entry 2

ID: SHARED-F-P1-JUSTIFICATION

Sources: p1/review.json · civic-machine problems[1]; p2/review.json · balanced distractors plus document/calculation justifications; p5/review.json · graph unit/base justification

Recommendation: Record a short case-specific rationale before explanatory feedback rather than treating keyed recognition as sufficient evidence.

Status: implemented-controls-and-review

Locations: advanced-controls.js · requireJustifications control/checkReviewHTML; hosted-client.js · snapshotHTML; server.js · statePayload

Behavior: Current rationale drafts and every submitted rationale are distinguished in teacher review. The connector and backend retain the original attempt histories intact. Root implements the pre-feedback rationale gates; module metadata supplies the demanding prompts.

Entry 3

ID: SHARED-F-P2-GRAPH-REPRESENTATION

Sources: p2/review.json · crossModuleNotes chart-representation critique; p5/review.json · unfamiliar graph encodings; revision/REVISION_CONTRACT.md · graphPractice/data-design

Recommendation: Include an unfamiliar representation task with an exact accessible equivalent and human inspection of axis, base, unit and inference.

Status: implemented-controls-and-key

Locations: advanced-controls.js · graphKeyHTML/checkKeyHTML/teacherKeyHTML; advanced-controls.js · requireGraphChecks and base requireData help

Behavior: The teacher key includes graphPractice for bar/rates/interval/table records and the data-design correct option/rationale once. The representation evidence belongs to the numerical rubric home and adds no second score. Root renders the learner display and enforces its optionality under requireData:false.

Entry 4

ID: SHARED-F-STRUCTURED-PRODUCT-REVIEW

Sources: p1/review.json · empty structural scaffolds; p2/semantic.json · generative products as rubric-linked submissions; p3/review.json · blank structured ledgers; p4/review.json · explicit instructor checklists; p5/review.json · learner-authored audit rows

Recommendation: Make multi-part generative products inspectable without filling them with an answer or equating word counts with quality.

Status: implemented-controls-and-review

Locations: advanced-controls.js · requireWorkspaces/workspacesReviewHTML/teacherKeyHTML; hosted-client.js · formatted submitted snapshot review

Behavior: Review tables show learner-authored cells, row labels, given context and human review notes, retaining zero-valued cells and unknown saved rows/columns. Row-specific field lists identify cells that are not requested. Completion and arithmetic validity are explicitly mechanical. Module configs and the root engine supply blank products and validators.

Entry 5

ID: SHARED-F-P5-ONE-SCORING-HOME

Sources: p5/review.json · democracy-alarm problems[2]; p4/review.json · criterion-by-criterion review; p2/review.json · rubric-linked exported evidence

Recommendation: Publish one outcome-to-evidence home per criterion and avoid double-counting criteria.

Status: implemented

Locations: advanced-controls.js · reviewCriteria/rubricHTML/reviewRubricText

Behavior: AdvancedRubric takes precedence. Matched reviewPrompts appear with their existing scoring row; repeated criterion labels and repeated prompts do not create another score. Unmatched prompts are comment-only. The exported blank review rubric uses the same map. Four-level 0-3 advanced rubrics and earlier 0-2 rubrics both retain every anchor.

Entry 6

ID: SHARED-F-P5-CALIBRATION-POSITIVE-FINDING

Sources: p5/review.json · democracy-alarm problems[2]; p1/review.json · positive contributions and justified retention; p5/semantic.json · semantic quality beyond keyed choices

Recommendation: Include two short contrasting unrelated calibration examples and assess positive warranted findings as well as overclaim avoidance.

Status: implemented

Locations: advanced-controls.js · rubricHTML

Behavior: The teacher view includes explicitly fictional library examples contrasting an untested attribution with a bounded positive observation and same-outcome rival comparison. Examples add no category or automatic score and do not solve any political dossier.

Entry 7

ID: SHARED-F-SEMANTIC-CAUSAL-LINKS

Sources: p1/semantic.json · recurring discriminating causal design; p2/semantic.json · assignment/selection and protected follow-up; p3/semantic.json · causal-design inspectability; p4/semantic.json · rights as research constraints; p5/semantic.json · same-outcome rivals and unready instruments

Recommendation: Inspect actual sources, outcomes, same-link rivals, feasible decisions and revised tests rather than award mastery from all-correct multiple choice or long prose.

Status: implemented-review-boundary

Locations: advanced-controls.js · rubricHTML/teacherKeyHTML/renderReviewRecord/reviewRubricText

Behavior: The teacher rubric foregrounds actual evidence and multiple defensible decisions. The task key directs review of actor/authority/constraints, numerical object/base, positive contribution and late revision. Submitted choices are labeled recorded factual results; prose quality remains human-reviewed. Module-specific causal and rights repairs live in each module ledger.

Entry 8

ID: SHARED-F-AUDIT-EXPORT-REASONS

Sources: p1/semantic.json · persuasion-hearing keep reference reasons visible on export; p4/review.json · six audit rows and distinction quality; p5/review.json · audit reasons not automatically graded

Recommendation: Retain factual-audit reference reasons and learner-written explanations in exports and teacher collection.

Status: implemented

Locations: advanced-controls.js · workspacesReviewHTML/renderReviewRecord/reviewHTML; hosted-client.js · snapshotHTML and snapshot download; server.js · immutable state cloning

Behavior: Structured review shows all audit cells and rationale histories. Full preserved JSON and exact download remain available. No control or backend transformation drops explanation fields.

Entry 9

ID: SHARED-F-AND-L-NOTE-REUSE

Sources: p1/review.json · civic final brief duplicate source/decision work; s1/review.json · explicit revised finding/new uncertainty and provenance; s2/review.json · newly applied reasoning instead of recap; s3/review.json · permission to reuse earlier passage; s4/review.json · assemble and revise prior notes; s5/review.json · synthesis/revision of existing work

Recommendation: Reduce repeated transcription through deliberate reuse while requiring an actual revised inference or new uncertainty.

Status: implemented-controls-and-review

Locations: advanced-controls.js · allowNoteReuse control/renderReviewRecord; hosted-client.js · snapshotHTML; server.js · schema6 payload preservation

Behavior: The default permits learner-selected reuse. Teacher review shows copied text, source, target and time separately from the explicit final revision reflection. Earlier notes and histories remain intact when settings change. Root supplies copy actions and reflection requirements; reuse does not replace unfamiliar transfer.

Entry 10

ID: SHARED-F-SUPPORT-AND-ATTEMPT-RECORDS

Sources: p3/review.json · separate unaided and hinted performance; p1/review.json · no grade penalty for support use; revision/REVISION_CONTRACT.md · retain methods rather than case-answer hints

Recommendation: Distinguish optional methods and hints from unaided attempts without treating support use as a reasoning-score penalty.

Status: implemented-review-and-preservation

Locations: advanced-controls.js · checkReviewHTML/methodReviewHTML; server.js · full-state roundtrip

Behavior: Submitted attempts retain helpUsed, methodUsage and hintUsage histories. Optional expansion/hint openings have a readable teacher history and no scoring deduction. Existing process hints and different-topic examples remain unchanged. Root records the usage events.

Entry 11

ID: SHARED-PRESERVE-CLASS-COLLECTION

Sources: User requirement to preserve full existing backend; Actual extracted backend source and README

Recommendation: Retain authenticated owned classes, public assignment lookup, personal recovery, collision checks and explicit immutable submissions.

Status: implemented-and-tested

Locations: server.js · existing API routes retained; hosted-client.js · snapshotHTML only presentation extension; test-backend.cjs

Behavior: Schema6 is added to the supported progress formats without changing credential hashes, sessions, recovery keys, ownership, revision guards, consent, immutable snapshot semantics, deletion protection, origin checks or private-draft access. The localhost test confirms these paths still work.

Entry 12

ID: SHARED-PRESERVE-PREFERENCES-IMPORT-SECURITY

Sources: User advanced-controls preservation requirement; p2/review.json · accessible equivalents

Recommendation: Keep local display preferences, 5907 gate, settings/progress imports and exports, independent storage and collision behavior.

Status: implemented-and-tested

Locations: advanced-controls.js · existing preference/unlock/storage paths retained; advanced-controls.js · handleFile error retention; test-v6-controls.cjs

Behavior: Three reading sizes, contrast, reduced motion, artwork and scaffolds retain separate storage. Unlocked-only mutation and exports remain. Invalid settings-file imports now keep their rejection message instead of clearing it. Recorded learner text is escaped in structured teacher review, and review-copy import/export does not alter the active learner branch.

Entry 13

ID: SHARED-RATIONALE-FEEDBACK-EXPOSURE

Sources: Final engine Fun-to-Class justification-supplement formatter regression

Recommendation: Make every submitted rationale's recorded feedback-exposure provenance visible without implying the reasoning was unaided.

Status: implemented-and-tested

Locations: advanced-controls.js · checkReviewHTML; test-v6-controls.cjs · schema6 review fixture and formatter assertions

Behavior: Each rationale displays recorded after feedback or recorded before this attempt's feedback according to history.afterFeedback. Earlier histories without that flag display exposure timing not recorded. The original choice and empty rationale remain in their original row, while a later supplementary rationale is displayed in its own row. Prior attempts/support remain visible and timing labels explicitly do not establish unaided reasoning. All20 controls tests and syntax checks pass.

Entry 14

ID: SHARED-SEALED-WORKSPACE-SUPPLEMENTS

Sources: Root runtime assignment-switch deadlock fix and exposure/history preservation requirement

Recommendation: Display the first committed initial workspace separately from any later supplement after the late record; preserve both in schema6 review and exports.

Status: implemented-and-tested

Locations: advanced-controls.js · workspaceHistoryReviewHTML/workspacesReviewHTML/renderReviewRecord; test-v6-controls.cjs · schema6 fixture and sealed workspace import/export case

Behavior: Teacher review shows sealed original cells, commitment time, assigned-at-commit and mechanical-validity-at-commit flags, then the separate current draft and dated after-late supplement history. Later cells do not replace the initial account or imply unaided first-exposure reasoning. Review JSON import/export and the connector roundtrip preserve both structures exactly. Full-state backend cloning already preserves them; no backend API mutation was needed. The controls suite now passes all20 cases.

Entry 15

ID: SHARED-MARKUP-ACCESSIBLE-CONTROLS

Sources: Root rendered-markup QA of simultaneous learner/instructor controls

Recommendation: Give the instructor connection URL a unique input id and preserve matching labels/actions; give both hidden JSON import inputs accessible names.

Status: implemented-and-tested

Locations: hosted-client.js · common/renderInstructor/connect action; advanced-controls.js · hidden settings/review file inputs; test-v6-controls.cjs · visible control names and instructor connection event

Behavior: Learner and instructor URL inputs use backend-url and backend-instructor-url respectively. Each Connect button identifies its URL input and the handler reads that target. Both JSON import inputs have explicit aria-labels. The controls suite still passes all 19 cases, including actual instructor Connect event targeting.

Entry 16

ID: SHARED-OLD-HISTORY-PRESERVATION

Sources: User no-history-loss requirement; revision/REVISION_CONTRACT.md · schema3/4/5 as history

Recommendation: Accept current schema6 while preserving earlier saved work as readable/exportable history.

Status: implemented

Locations: advanced-controls.js · reviewRecord/renderReviewRecord; server.js · statePayload; README.md · progress contract

Behavior: Backend and teacher-review imports support schemas3/4/5/6 and preserve original records. Schema6 review presents legacyArchive and priorRuns separately. No old completion is promoted into new credit by these read/save paths. Root implements active-case migration.

Entry 17

ID: SHARED-CLAIM-BOUNDARIES

Sources: All five faculty and learner reports · AI-role and evidence limits; User no publishing/live-write constraint

Recommendation: Do not claim human learning gains, actual enjoyment, native-browser usability, cloud deployment or unperformed testing.

Status: preserved

Locations: README.md · deployment and verification boundaries; test-v6-controls.cjs · scope output; test-backend.cjs · scope output

Behavior: Verification is labeled Node VM/fake connector integration and temporary real localhost HTTP. No permanent service, site publication, package install, browser use or live account/backend write was performed. A human delayed-transfer pilot is outside this implementation task and remains a concrete future evaluation need.