

CAMS RAW SCORER: COUNTRIES v1.2-OPT

Entity,Year,Node,Coherence,Capacity,Stress,Abstraction
UNITED_STATES,2020,Helm,5,6,7,5

OUTPUT CONTRACT

Return ONLY CSV. No prose. No headers beyond the schema line. No markdown. No evidence notes. No Node Value. No Bond Strength. No SHI. No confidence labels. No interpolation. No smoothing.

PROHIBITED OPERATIONS -> REQUIRED ACTIONS

Prohibited	Required Instead
Explain or justify scores.	Emit CSV rows only.
Narrativise or diagnose.	Score demonstrated function against the node definition.
Interpolate or smooth across years.	Use `NA` for missing evidence; never copy prior-year values.
Compute derived metrics.	Output raw C,K,S,A only.
Score from national sentiment or reputation.	Score from concrete functional indicators per node.
Treat a single headline as evidence for all nodes.	Evaluate each node against its own evidence.

INPUTS

If start_year > end_year, return only the header line with no rows.

TIME CONVENTION

Each year represents institutional condition at 31 December. If the final year is in progress at your knowledge cutoff, score only evidenced material through that cutoff; do not project to year-end.

When scoring year *t*, use 31 December of year *t-1* as the baseline. A score unchanged from *t-1* is valid ONLY if a genuine re-check finds no material functional change. Default repetition is prohibited.

DATA USE

Use corpus knowledge first. Use targeted web search when:

- the year is recent or current;
- the polity is obscure or thinly represented;
- the period involves coups, wars, sanctions, constitutional crises, or major institutional transition;
- governance, military, economic, fiscal, or administrative facts are uncertain.

Do not over-search well-established historical periods. Do not cite sources in output.

If evidence is genuinely insufficient for a specific score, output `NA` for that score only. Do not infer from adjacent years. An unchanged score must mean "no material functional change was found," not "value reused because nothing new was checked."

EVIDENCE GATE (Apply per node-year before scoring)

For [Node] in [Year], confirm ALL three before any non-NA score:

- [] One concrete indicator of functional performance observed.
- [] One concrete indicator of strain, failure, or limitation observed.
- [] Mechanism connecting that evidence to THIS node's specific function identified.

If any box unchecked -> score `NA` for all four dimensions of this node-year.

Public trust, media controversy, referendum results, and historical guilt may raise Stress but do NOT by themselves establish loss of Capacity or Coherence.

UPSTREAM CONSTRAINTS (Apply during generation, not after)

1. **Delta ≥ 2 points** on any dimension requires EITHER two distinct node-specific evidence pieces OR one unmistakable structural discontinuity (regime collapse, war onset, currency crisis, partition). General sentiment or a single ambiguous event is insufficient.
2. **Score < 5 or > 8** requires explicit functional evidence. Controversy, criticism, or popularity do not suffice for < 5 . Absence of problems does not suffice for > 8 .
3. **All four dimensions unchanged from $t-1$** is permitted ONLY after re-checking evidence for that node-year. Silent repetition is prohibited.
4. A single national event must not automatically move all eight nodes. Each node moves on its own evidence.

NODES (Canonical order: Helm,Shield,Lore,Stewards,Craft,Hands,Archive,Flow)

Helm

- **Function:** Executive coordination, state strategy, political centre, governing command.
- **Boundary:** Election victories and parliamentary majorities raise Coherence, not Capacity. Capacity is demonstrated execution, not mandate. Orderly transfer of power is positive evidence of system continuity even when the outgoing government was dysfunctional.
- **Common Error:** Scoring administrative competence from legislative drama, approval ratings, or partisan conflict.

Shield

- **Function:** Military, police, intelligence, border control, internal order, territorial defence.
- **Boundary:** Coercive and protective capacity. Budget size or equipment lists do not demonstrate operational coordination.
- **Common Error:** Conflating spending with functional readiness; ignoring civil-mission strain or politicisation.

Lore

- **Function:** Education, universities, knowledge institutions, religion, media, public meaning, legitimacy production, shared understanding.
- **Boundary:** Covers production, validation, and circulation of knowledge through science, universities, professional expertise, and epistemic media. Public disagreement or misinformation may reduce Coherence and raise Stress without eliminating technical Capacity or Abstraction.
- **Common Error:** Scoring ideological alignment as Capacity; conflating narrative contestation with institutional collapse.

Stewards

- **Function:** Landholders, capital owners, fiscal elites, state-linked asset managers, major investors, resource allocation, ownership power.
- **Boundary:** Owners and managers of stored resources and long-lived assets specifically. NOT the civil service, environmental ministry, or government generally (those are Helm or Archive).
- **Common Error:** Substituting state fiscal policy or bureaucratic administration for private/asset-holding stewardship.

Craft

- **Function:** Skilled trades, professions, engineers, manufacturing systems, technical classes, specialised production.
- **Boundary:** Productive transformation and technical/industrial competence. Asset appreciation and commodity revenue do NOT demonstrate Craft strength. Weak productivity growth or deindustrialisation may reduce Craft, but < 8 requires evidence of widespread inability to perform productive transformation—not merely declining competitiveness or an unpopular industrial policy.

- **Common Error:** Scoring market value of holdings as productive capacity.

Hands

- **Function:** Mass labour, agricultural labour, industrial labour, service labour, bodily mobilisation, demographic work capacity.

- **Boundary:** Low unemployment raises Capacity but does NOT cancel out housing, wage, precarity, or cost-of-living Stress. Both may be true simultaneously.

- **Common Error:** Using unemployment as the sole signal and ignoring structural precarity or wage stagnation.

Archive

- **Function:** Bureaucracy, law, courts, records, statistics, civil service, institutional memory, continuity across time.

- **Boundary:** Preservation, retrieval, and transmission of institutional memory—records, precedent, legal continuity, administrative routines, accumulated organisational knowledge. Public trust or media controversy may raise Stress but do NOT by themselves establish loss of Capacity.

- **Common Error:** Using national narrative consensus or historical guilt as direct measures of bureaucratic function.

Flow

- **Function:** Commerce, finance, markets, merchants, logistics, ports, trade, currency, banking, circulation of goods and value.

- **Boundary:** Measures whether exchange and circulation are functioning, not whether an interruption was justified. A border closure or supply interruption may create high Stress even when the policy is protective.

- **Common Error:** Scoring policy intent rather than operational circulation function.

METRICS

For every node, assign integer 1-10 or `NA`.

Coherence: Internal alignment and coordination clarity.

| Score | Anchor |

|---|---|

| 9-10 | Exceptionally unified or seamless. Requires historically unusual alignment evidence. |

| 7-8 | Integrated, strongly aligned. |

| 5-6 | Functional, coordinated despite tension. |

| 3-4 | Divided, factional, inconsistent. |

| 1-2 | Fragmented, paralysed, openly conflicting. |

Capacity: Demonstrated ability to perform the node function.

| Score | Anchor |

|---|---|

| 9-10 | Dominant or exceptional. Requires comprehensive, historically unusual performance evidence. |

| 7-8 | Strong, effective, resilient. |

| 5-6 | Adequate, performs core function. |

| 3-4 | Weak, insufficient, unreliable. |

| 1-2 | Collapsed or unable to function. |

Stress: Rate of breakdown or entropy production.

| Score | Anchor |

|---|---|

| 9-10 | Rupture, active collapse or severe breakdown. |

| 7-8 | Strained, visible degradation. |

| 5-6 | Pressured, stretched but functioning. |

| 3-4 | Stable, challenges managed. |

| 1-2 | Thriving, low breakdown, strengthening. |

Abstraction: Operational sophistication, learning capacity, symbolic and modelling depth.

| Score | Anchor |

|---|---|

| 9-10 | Frontier sophistication or transformative learning capacity. Requires exceptional evidence. |

| 7-8 | Advanced modelling, adaptation, institutional learning. |

| 5-6 | Functional learning and procedural sophistication. |

| 3-4 | Basic systems, limited adaptation. |

| 1-2 | Reactive, little learning or continuity. |

TRANSITIONS

Do not automatically score transitions as crises. For regime changes, revolutions, wars, occupations, or collapses, score the observed coordination dynamics:

- Did the node maintain coordination?
- Could it perform its function?
- Was change managed or chaotic?
- Was breakdown occurring, or only pressure?

Managed transition -> moderate stress. Chaotic rupture -> high stress. Successful adaptation -> may preserve coherence and capacity.

INDEPENDENT PASS INTEGRITY

This is one isolated scorer_pass. Score entirely on your own judgement against this rubric. Do not adjust toward an expected ensemble mean. Do not soften or exaggerate to make multi-pass spread look tighter. Divergence between independent passes is minimised by following this rubric precisely, not by guessing at consensus.

OUTPUT FORMAT

First line must be exactly:

`Entity,Year,Node,Coherence,Capacity,Stress,Abstraction`

Then rows sorted by year ascending, then node order:

Helm,Shield,Lore,Stewards,Craft,Hands,Archive,Flow.

All scores integers 1-10 or `NA`. No decimals. No blanks. No extra columns.