

Geovis Project Topic Discussion Worksheet (Short)

Page 1: write 3 candidate topics. Check ONE for deep-dive. Page 2: scientific review + peer feedback.

Student: _____ Date: _____ Pod: _____

Protocol reminder (Nested Model + Hanlon)

Hanlon: assume defaults/constraints first. Nested Model: L1 Domain (goal/audience/task) → L2 Data/Task (provenance/units/transforms) → L3 Encoding/Interaction (visual variables, color, legend, interaction) → L4 Implementation (correctness, performance, reproducibility).

Topic Shortlist (3 candidates) — Pick ONE to Deep-Dive on Page 2

Topic 1

Deep-dive

Title: _____

Claim: _____

Audience + task: _____

Data + license: _____

Static idea: _____

Interactive: _____

Topic 2

Deep-dive

Title: _____

Claim: _____

Audience + task: _____

Data + license: _____

Static idea: _____

Interactive: _____

Topic 3

Deep-dive

Title: _____

Claim: _____

Audience + task: _____

Data + license: _____

Static idea: _____

Interactive: _____

Deep-Dive Topic Review (use for the selected topic)

Fill top-down: Level 1 → 2 → 3 → 4. Use peer feedback at the end.

Topic #: Title:

Step 0 (Hanlon): Defaults vs Malice

Most likely cause of misleading elements (defaults/constraints/intent):

Level 1 — Domain (Purpose)

Claim: Audience + task:

Level 2 — Data/Task (Integrity + Transformations)

Data source(s), time range, units:

Transformations (check):

- Filter Aggregate Normalize Classify/bin Smooth
 Missing

Spatial inference risks (check):

- MAUP Ecological fallacy Small-number instability

Level 3 — Encoding/Interaction (Perception + Geoviz Rules)

Static map design (map type + variable + visual variable):

Color scheme:

- Sequential Diverging Qualitative

Geoviz checks (projection/scale/boundaries):

Interactive plan (if any):

Level 4 — Implementation (Correctness + Reproducibility)

Tool stack + expected risks (performance, data size):

Reproducibility plan (repo + README + citations):

Peer Feedback (Ladder of Feedback)

Clarify:

Value:

Concerns:

Suggestions:

Decision

Advance Hold/revise scope Drop/replace Next action: