PROJECT PRESENTATIONS AND COURSE SYNTHESIS

UNIT 14 · WEDNESDAY 2 DECEMBER 2026 · 12:30–16:00

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FROM A QUESTION TO A DEFENSIBLE RECOMMENDATION

Explain the **question, design, estimate and next experiment**.

Four groups of three; every member contributes.

Wednesday 2 December, 12:30–16:00.

EIGHT MINUTES, THEN QUESTIONS

Part	Explain
Question and design	Question, data source, treatment assignments or selected groups, and measurement units
Analysis and result	Model, check, main figure, estimate and interval
Follow-up	Feasible design, prospective target and two assumptions

8-minute talk + 5-minute questions + 2-minute transition.

FEEDBACK SHOULD IDENTIFY EVIDENCE

Use the feedback sheet.

- One evidenced strength.
- One consequential question.
- One feasible revision.

A reviews B; B reviews C; C reviews D; D reviews A.

FIRST PAIR OF PRESENTATIONS

Provisional 12:40–13:10 · Groups A and B

Listen for how researchers assigned treatments to animals or pens, and which groups the presenters compare.

Record the estimate, uncertainty and one assumption that matters.

FEEDBACK AND SHARED ISSUES

13:10–13:40

1. Reviewers finalise evidence and a useful revision.
2. Presenters clarify one question.
3. Compare units, uncertainty and planning assumptions.

Break 13:40–13:55.

SECOND PAIR OF PRESENTATIONS

Provisional 13:55–14:25 · Groups C and D

Same format: **8 + 5 + 2 minutes per group**.

Explain source, target and design before the fitted result.

COMPARE EVIDENCE ACROSS PROJECTS

14:25–14:55

- Did researchers assign treatments to individual animals or to whole pens? If no treatment was assigned, which farms or pasture groups did they select?
- What does the main interval describe?
- Which assumption changes a recommendation?
- What would the proposed experiment actually answer?

Break 14:55–15:10.

ADAPT ONE ASPECT OF YOUR NEXT STUDY

15:10–15:40 · Design challenge cards

Write: target → constraint → revision → consequence → next check.

Weighing the same calf more often does not add more calves assigned to a diet.

State a changed question if your new design changes the target.

WHAT CAN YOU NOW EXPLAIN?

15:40–16:00 · Individual reflection

Connect one design choice to analysis or uncertainty.

Name one remaining question and the evidence you would seek.

Give separate feedback on the course.