

Post-Session Exercise: Pilot Planning Worksheet

Title of Exercise: Designing a Controlled Pilot for a New Intervention

Instructions: Imagine you have been given a budget to pilot a brand-new reading intervention. Use this worksheet to plan a rollout that prioritizes causal proof.

1. The Intervention & Hypothesis

Proposed Intervention: (Brief description of the new program)

Hypothesis: (If we implement X, we expect outcome Y to change by Z amount over 6 months.)

2. Designing the Randomization

Will you use individual pupil randomization or "Cluster Randomization"? State your choice and justify it.

How will you mitigate the risk of "Contamination"? (Describe exactly how you will ensure the teachers/pupils in the control group do not adopt the new methods).

3. Establishing the Baseline and Counterfactual

How will you establish that the Intervention Group and Control Group are statistically identical before the pilot begins? (List the specific baseline metrics you will collect).

What exactly is the Control Group doing while the Intervention Group receives the new program? (Define the "business as usual" counterfactual).

4. Evaluating Cost and Security

If the pilot shows a positive "Effect Size", what data do you need to calculate the per-pupil cost?

What are two ways you can ensure the "Security" of your findings is high enough to justify presenting this data to a treasury or trust board for a mass rollout?



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