STATISTICAL LABORATORY #1 NOVEMBER 6, 2026

Plan the larger study

Funding and data request to the stakeholder

The next step. Request funding and data for a larger study. Specify what you are expecting to find with a larger sample and investigate the new sample of data in a similar fashion.

Group Nr: _____

1. State the purpose

In one sentence, state what the larger study should answer more reliably.

2. Request the data

The cost is $1{,}000$ SEK per participant, with a maximum total budget of 10 million SEK.

Request a sample of size

$n =$ _____ total cost $=$ _____ SEK lucky number (seed) $=$ _____.

The stakeholder will provide one overall count table and two age-stratified count tables, with Y in the rows and X in the columns, as in the pilot study. Individual-level data will also be available upon request.

3. Predict and plan before receiving the data

- Based on the pilot study, what pattern do you expect in the larger study? Explain your reasoning.

- What uncertainty from the pilot study should the larger study help resolve?