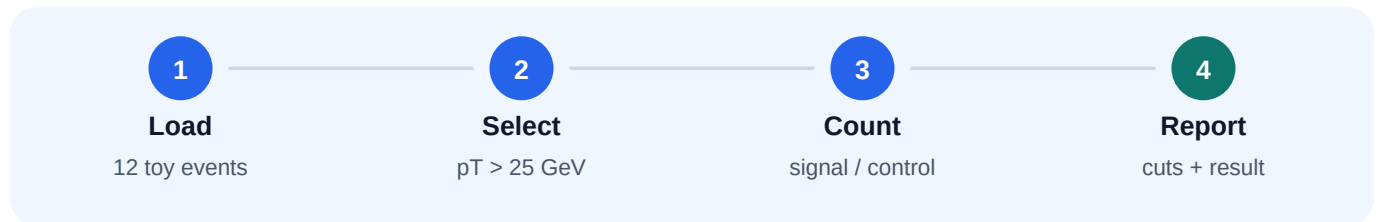


Toy particle-analysis workflow

A one-page handout for a reproducible counting exercise

Learning target

Apply a small event selection, compare signal and control counts, and record enough context for another learner to reproduce the result.



Selection recipe

- Keep events with transverse momentum above 25 GeV.
- Use 80-100 GeV as the toy signal window.
- Use 60-80 GeV as the adjacent control window.

DETERMINISTIC EXAMPLE

4 signal

2 control

Matches the notebook output on the demo page.

Reproducibility check

- ☐ Record the input sample and every numerical cut.
- ☐ Keep the code cell and its deterministic output together.
- ☐ State what the numbers demonstrate - and what they do not.