RESEARCH AND POLICY ANALYST · EI MAR AUTOMATION

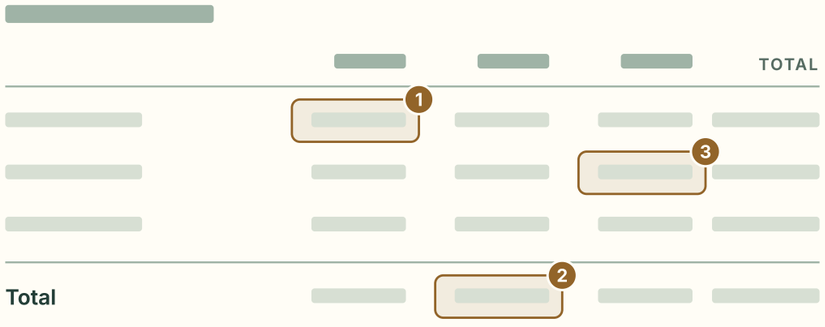
Diagnostic, then release

Every table is audited automatically, cell by cell and in both official languages, before it is released. A diagnostic run lists what it finds and releases nothing. A release run goes ahead only when every check passes.

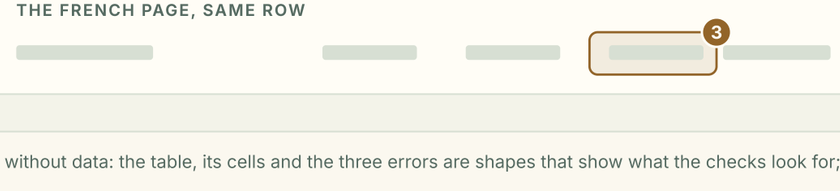
Drawn without data · no figures shown

Compare every cell → list the differences → rule → release

A PAGE WITH THREE ERRORS TO CATCH · DRAWN WITHOUT DATA



THE FRENCH PAGE, SAME ROW



WHAT THE AUTOMATED AUDIT REPORTS

1 **Two digits swapped**
The page and the data disagree in one cell.

2 **A total that does not add up**
The cells of a column do not add up to its total.

3 **English and French differ**
The same cell reads differently on the two pages.

✓ Every other cell matches what the data gives.

TWO KINDS OF RUN

DIAGNOSTIC RUN

Lists every difference

Nothing is released. Each difference comes to me to examine.

MY RULINGS
I examine each difference and record its cause.

RELEASE RUN

All checks pass, or nothing is written

When it passes: the documents, and a receipt of every check.

Drawn without data: the table, its cells and the three errors are shapes that show what the checks look for; no figures, real or invented, are shown.

01 / FIND

Every cell, both languages

The program rebuilds the table from the raw data and compares each cell with the page, in English and in French. It also checks that totals add up and that tables sharing a figure agree.

02 / RULE

Each difference gets a ruling

I examine every difference and record its cause, so the same question is not asked twice.

03 / RELEASE

All checks pass, or nothing is written

A release run writes the documents only when every check passes. If one fails, it writes nothing, so a page that has not passed cannot be mistaken for one that has.

> **In more detail.** The gate fails closed. A release needs every named condition to hold, among them: the inputs are present, no difference is left without a ruling, totals and the figures shared between tables agree, and the English matches the French. A refused release leaves the output folder exactly as it was. A passing one writes the documents with a receipt that binds each file by its SHA-256 fingerprint.

An explanatory reconstruction of the automated audit, drawn without data.

Thomas Eapen
nowlabs.net/research-policy-analyst

Drawn without data: no figures, real or invented, are shown. The checks are the ones the programs run.

Contact me to discuss this work.