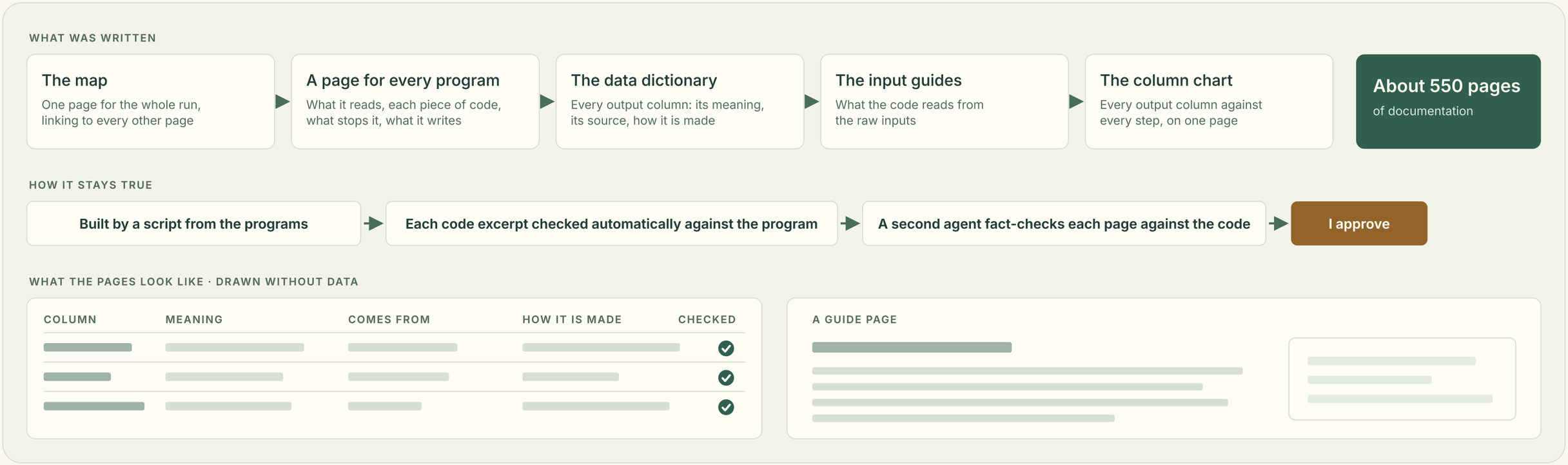
RESEARCH AND POLICY ANALYST · EI DATA CONVERSION

The documentation set

Code that few people can read is hard to change safely. The new process comes with about 550 pages of documentation, written by AI agents from the code and checked against it.

Explanatory diagram of the documents, drawn without data

The map → a page per program → the dictionary → the input guides → the chart



The documents, redrawn and simplified. The outlines are drawn without data: no fields or values, real or invented, are shown.

01 / EXPLAIN

Every program has a page

Its inputs, each piece of code, what can stop it, what it writes and evidence from a run. A one-page map links them all.

02 / TRACE

Every column can be traced

A data dictionary says what each output column means, where it comes from and how it is made. A guide shows what the code reads from the raw inputs.

03 / KEEP TRUE

Built and checked, not written by hand

A script builds the pages from the programs. Each code excerpt is checked automatically against the program, and a second agent fact-checks each page against the code.

> **In more detail.** The programs are Jupyter notebooks in R. The pages are made as web pages and as PDFs for printing. The second agent reads each page against the code and reports what it cannot confirm; those points are fixed before I approve the page. Each change to the code is recorded with its effect on a run, and a runbook says how to run the process.

An explanatory reconstruction of the documentation. The outlines are drawn without data.

Thomas Eapen
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Drawn without data. The diagram is an explanatory reconstruction. Tools: AI coding agents, for building and reviewing.

Contact me to discuss this work.