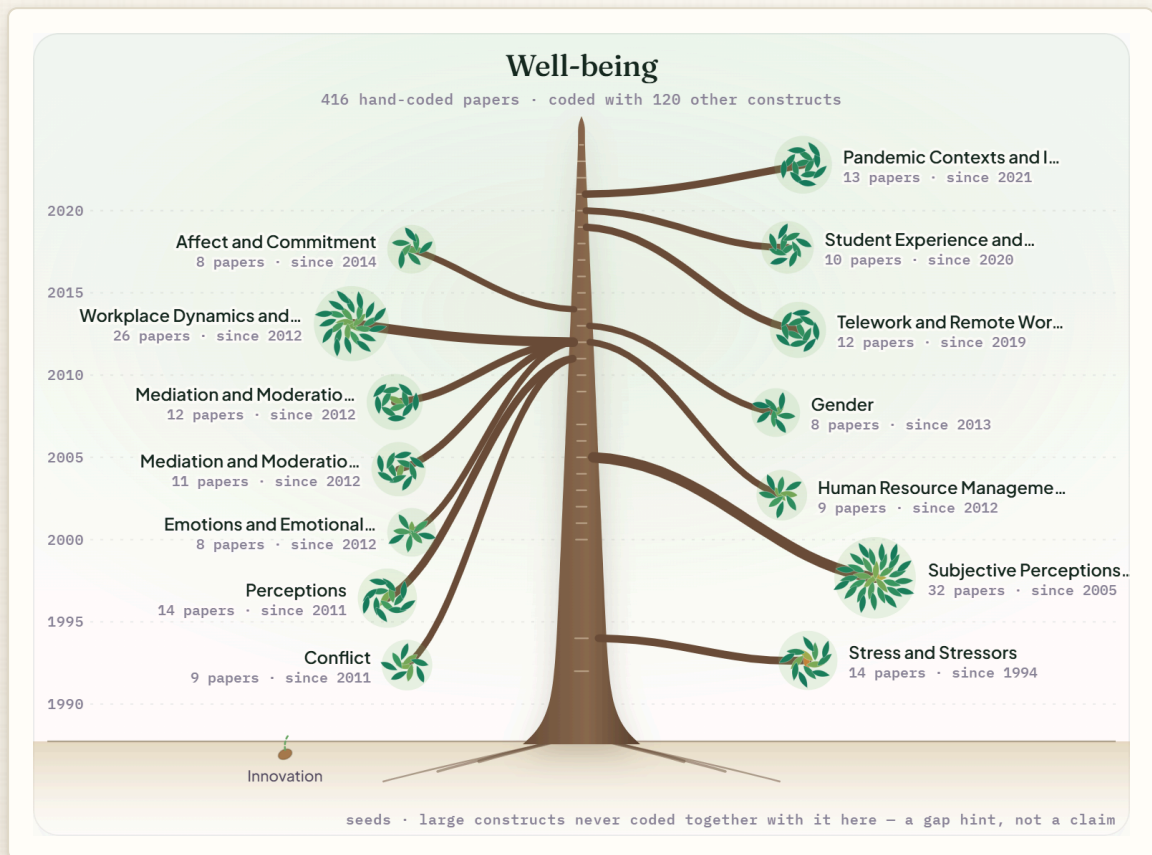




LAZY RESEARCH LAD HUB

One study, *start to finish*

The research home of Lazy Research Lad — the whole journey of one study in one map, and how to read the corpus of nine thousand hand-coded papers.

One study, *start to finish*

The front door, and the map of this series. Volumes 2–9 follow one illustrative study — burnout and engagement among nurses on long shifts — through every research decision. This volume shows the whole route on one page, then the corpus tree, the directory and the rules every tool follows.

Site. <https://syahmedu.github.io/research-suite/>

Version. 2.1.4 (2026–10–18) · build 3702b3b+edits · 2026–10–18T15:45:22Z

Figures. Real screenshots of the live site, captured 2026–10–18 by `scripts/capture.mjs`; sample data shown in figures is labelled simulated where it is simulated.

Sources. 12 DOI-verified references, numbered in order of use. Nothing in this book is invented: counts and labels are read from the site or its published data.

Status. A user guide, not documentation of record. Where the site and this book differ, the site is right — please report it (see Version history).

Type. Fraunces, Plus Jakarta Sans and IBM Plex Mono (SIL Open Font License). Laid out with Paged.js.

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01

THE MAP OF THIS SERIES

One study, start to finish

Research is a chain of decisions. Each volume of this series takes one link of the chain, teaches the craft behind it, and uses one tool to do it — always on the same study, so the decisions add up.

THE WORKED STUDY

The question: *Why do nurses on long shifts burn out — and why do some of them stay engaged?* The study is illustrative, invented for teaching. Everything else is real: every theory, scale, count, paper and screen is the live suite, and the one dataset used for analysis is simulated from a stated model and labelled so.

VOL	THE DECISION	THE CRAFT	TOOL
2	Where does the study fit?	Positioning: what is known, what is thin, why it matters	Research Book
3	What does the evidence say?	Reading and weighing papers; direction is not size	PaperCards
4	Is the plan coherent?	Methodological fit; auditing an AI draft	ResearchFlow
5	Which theory explains it?	Choosing and defending a lens against its rivals	TheoryScope
6	How is each construct measured?	Definitions first; reliability; gaps in the library	ScaleScope
7	Does the prediction hold?	Plan, measurement model, the moderation test, honest reading	ToolsScope
8	Where should it go?	Fit before speed; formatting without inventing	JournalTime
9	Can others trust the process?	One record; the preregistration lock; the package	Studio

Read in order for the whole journey, or open the volume for the decision in front of you. Every volume ends its craft chapters the same way: the objections a reviewer will raise, and a model paragraph showing how the decision reads in a paper.

WATCH IT FIRST

Each site has a narrated tour (the ► Tour pill, bottom right) that follows the same study through that tool. The hub's tour is the whole journey in under two minutes.

02

WHAT THE HUB IS FOR

One place to continue

The hub is not a research tool itself. It is the front door: it tells you where your own work lives, what the libraries hold, and which tool fits the next step.

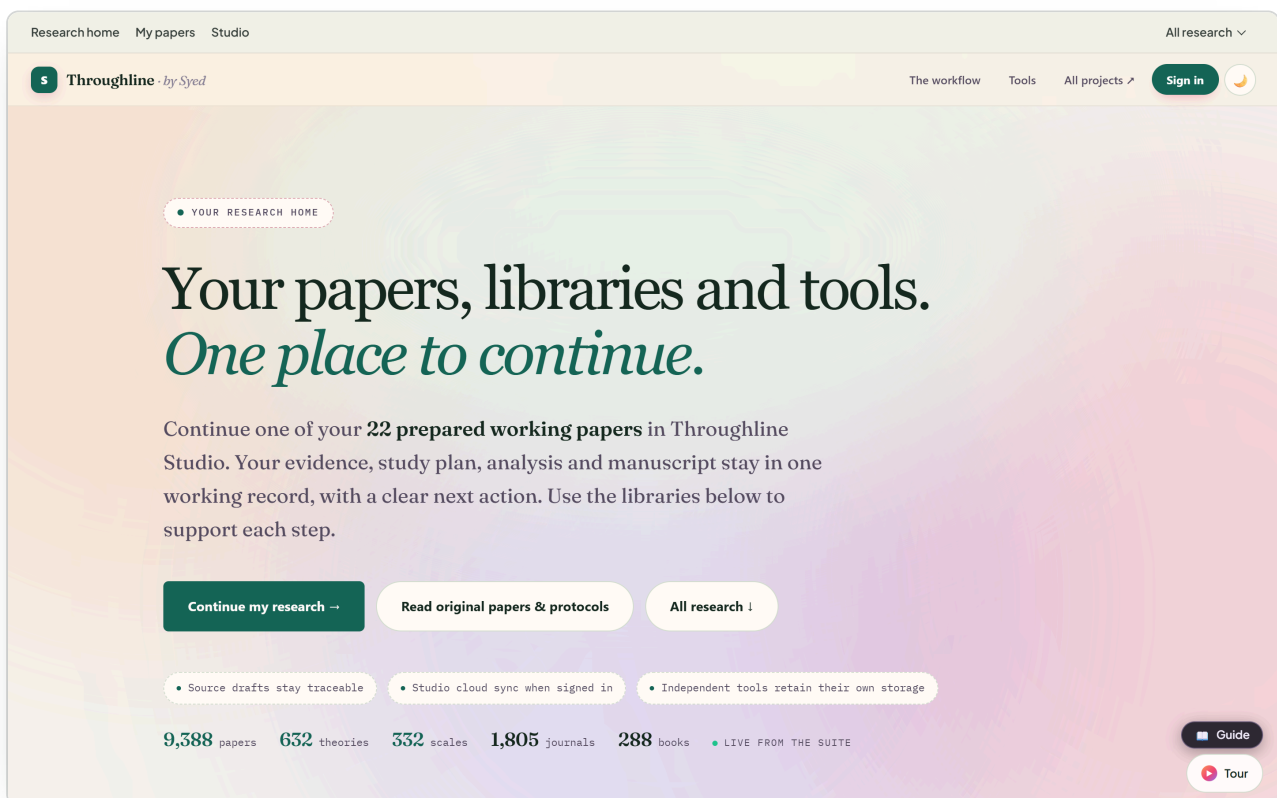


FIG 2.1 The hub on a desktop screen. The live counts under the buttons are read from each library's published data when the page loads.

- 1 **Continue my research →** opens Lazy Research Lad Studio, the main workspace.
- 2 **Read original papers & protocols** opens the archive of 22 working papers.
- 3 **All research ↓** scrolls to the directory of every destination.
- 4 Live counts — papers, theories, scales, journals, books.

The three ways in

- **Continue a study.** Studio holds your evidence, study plan, analysis and manuscript as one record, with a clear next checkpoint. Start here if you already have work in progress.
- **Read a prepared paper.** The archive holds 22 review drafts, 22 proposed study protocols and 17 ethics packs. Any of them can be opened in Studio as an editable study.
- **Use a library.** The Research Book, BookScope, TheoryScope and ScaleScope answer questions on their own — what has been studied, which theory fits, which scale measures it.

WHERE YOUR WORK IS SAVED

Independent tools keep their own storage. Signing in syncs Studio across devices; the other tools save in the browser you use them in. Moving work between tools happens through explicit hand-offs, never silently.

The live counts

The line of numbers under the hero (9,388 papers · 632 theories · 332 scales · 1,805 journals · 288 books) is not typed into the page. Each figure is read from the library's published snapshot when the page opens; if a snapshot cannot be reached, the last known figure stays in place.

03

THE FIRST VISUAL

Reading the corpus tree

Just below the hero, one construct from the hand-coded Research Book is grown as a tree. It answers a question every study starts with: what has this topic been studied with, since when, and how much?

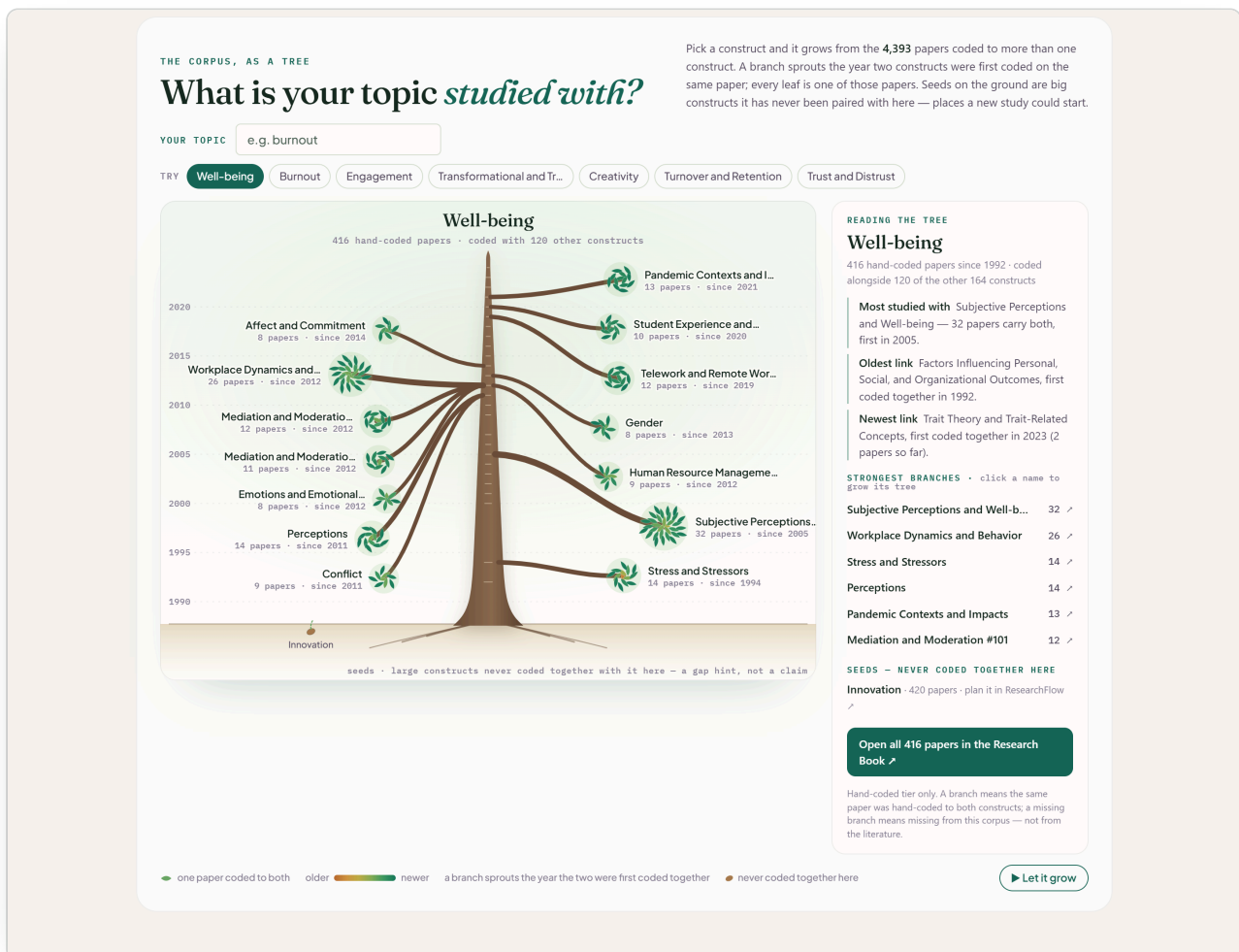


FIG 3.1 The corpus tree for Well-being, the default. The construct has 416 hand-coded papers since 1992 and is coded alongside 120 of the other 164 constructs. The thickest branch is Subjective Perceptions and Well-being, with 32 papers that carry both.

How the picture is built

The tree is drawn from the papers in the hand-coded tier that were coded to more than one construct, 4,393 of them, forming 4,119 distinct construct pairs. Pick a construct and it becomes the trunk. Every other construct that shares a paper with it can become a branch.

WHAT YOU SEE	WHAT IT MEANS
Trunk and its rings	Your construct. Height is time: faint lines mark every fifth year. Each ring across the trunk is one year, and its width is the number of hand-coded papers on the construct that year.
Where a branch sprouts	The year the two constructs were first hand-coded on the same paper.
Length and thickness of a branch	How many papers carry both constructs.
A leaf	One real paper coded to both. Colour is its year, from autumn amber (older) to spring green (newer); the oldest sit at the heart of the cluster.
Seeds on the ground	Among the 40 largest constructs, those never coded on the same paper as yours here.

HONEST DATA

Every count, year and title comes from the snapshot built from the hand-coded tier (`data/corpus-tree.json` , with one file of real papers per construct). The build checks that totals add up and that each pair is counted the same way from both ends. The side panel's sentences are filled in from the same file, never typed by hand.

Reading the side panel

Next to the tree, **Reading the tree** says in words what the picture shows. It gives the construct's paper count and first year, the construct it is most studied with, its oldest and newest links, and its six strongest branches with their joint-paper counts. Clicking a branch name re-grows the tree from that construct; the count beside it (↗) opens the papers coded to both in the Research Book.

Hovering and clicking

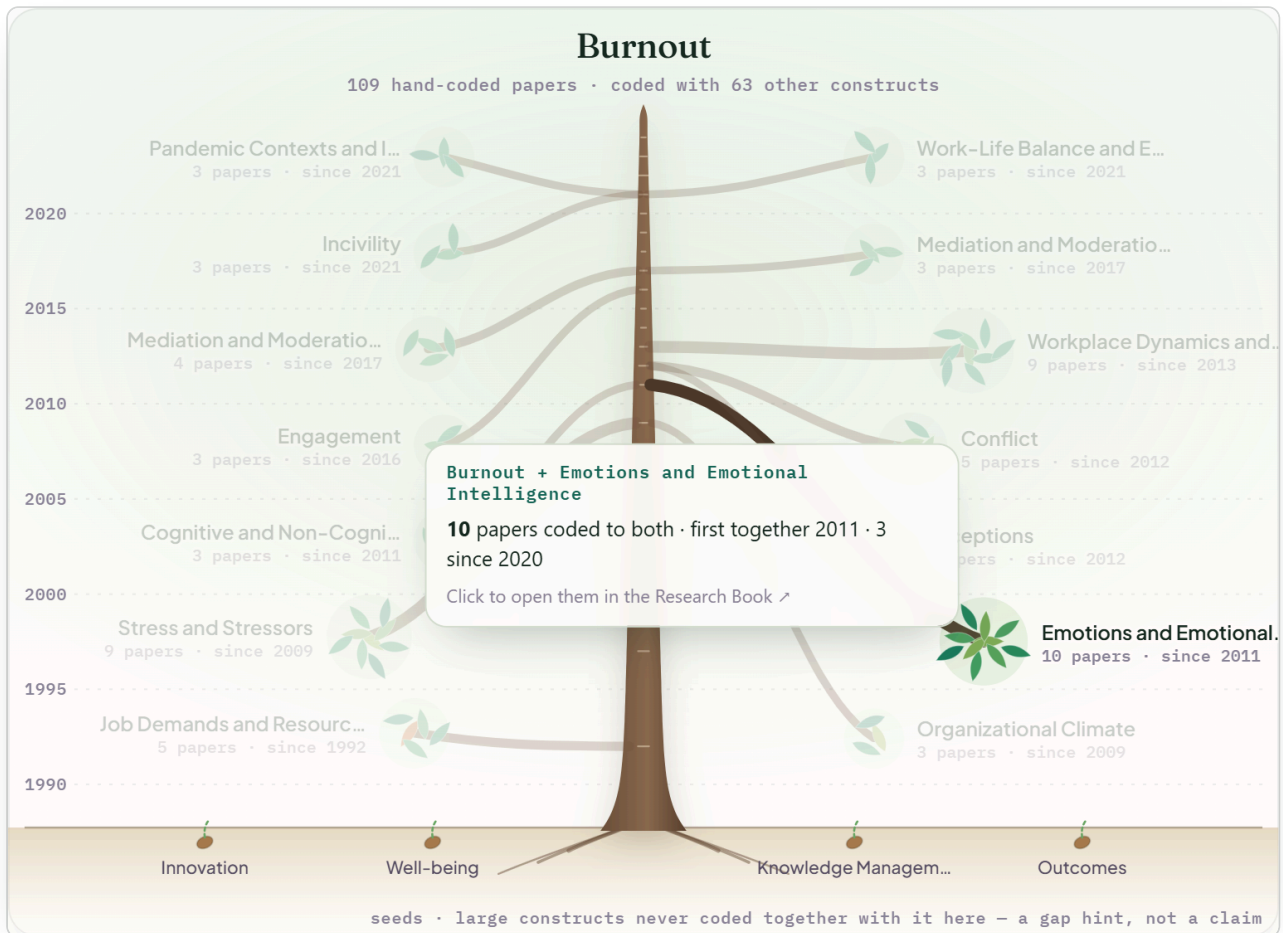


FIG 3.2 Hovering a branch reads the pair and fades the others: Burnout + Emotions and Emotional Intelligence, 10 papers coded to both, first together in 2011, 3 of them since 2020.

- 1 Rest on the trunk to read one year: the number of hand-coded papers on the construct, which is also the ring's width.
- 2 Rest on a branch or its leaves to read the pair: papers coded to both, the first year together, and how many are recent.
- 3 Rest on a single leaf for that paper's title, journal and year; click it to open the DOI.
- 4 Click a branch to open every paper coded to both constructs in the Research Book.

This follows the familiar sequence for exploring data: the overview first, then zoom and filter, then details on demand. The picture is always one step from the papers behind it.

Why it looks like this

Every visual in the suite follows the same handful of rules, and the tree shows them clearly.

The most important quantity gets the strongest channel. People judge position along a common scale more accurately than length, angle, area or colour; Cleveland and McGill established the ranking experimentally ¹, Mackinlay built it into automatic chart design ², and later crowdsourced studies replicated it ³. In the tree, *time* is position up the trunk, read against faint year lines every five years. *How much* is shown twice: by a branch's length and thickness, and as a count of marks, since every leaf is one paper.

Colour is ordered, not a rainbow. A rainbow colour map has no natural order and creates false boundaries ⁴. Leaf colour runs one continuous path from autumn amber (older papers) to spring green (newer). Each cluster keeps its oldest papers at the heart and its newest at the edge, so the order reads without a legend.

The simplest picture that shows the pattern. Guidelines for scientific figures ask for the simplest graph that conveys the message ⁵. The tree draws only the strongest links: 14 branches on a desktop and 8 on a phone, preferring pairs with at least two joint papers. A branch carries at most its 90 most recent leaves. The side panel says what was left out, and every hidden link is one click away in the Research Book.

Overview, then the papers. Visualization design is about matching the idiom to the task ⁶. The tree answers one question, *what is this studied with, since when, and how much?*, and every branch and leaf is one click from the papers behind it.

Evaluate with real tasks. Visualization research distinguishes understanding the data from enjoying the picture ⁷. The tree replaced the earlier corpus river because a researcher could admire the river but not use it. The tree was checked against the questions a researcher brings, in light and dark themes and on a phone.

04

THE WORKED STUDY

Your topic, as a tree

Type a topic into **Your topic** and the tree re-grows from the construct that names it. The box mirrors the hub's Quick start, so one topic serves the whole page.

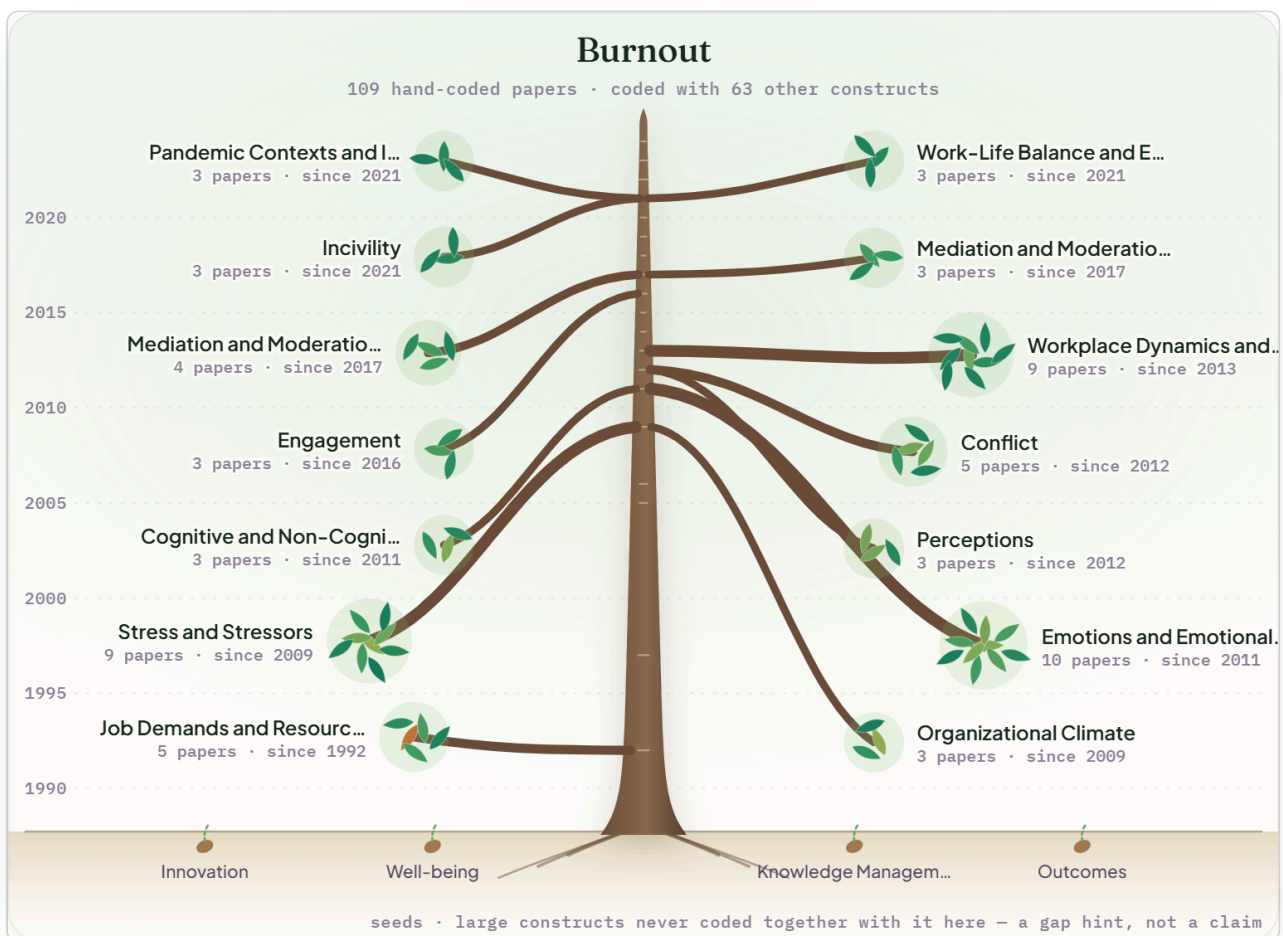


FIG 4.1 *burnout* typed into **Your topic**: Burnout has 109 hand-coded papers since 1992 and is coded alongside 63 other constructs. Fourteen branches are drawn, with 66 leaves, and four seeds lie on the ground.

THE WORKED EXAMPLE

For the series' study, the tree gives the first map of the literature in one screen:

THE TREE SAYS

WHAT IT MEANS FOR THE STUDY

Most studied with Emotions and Emotional Intelligence: 10 papers, first in 2011.

Emotion is the most crowded neighbour. The study should know that literature, but it is not where the gap is.

Oldest link: Job Demands and Resources, first coded together in 1992 (5 papers).

The study's lens has a long but thin record in this corpus. That is a reason to use it, and a reason to read all five papers.

Newest link: Job Performance, first in 2022 (2 papers so far).

An outcome only recently connected to burnout here: a possible extension, not this study's question.

Seeds: Innovation (420 papers), Well-being (416), Knowledge Management (331), Outcomes (264).

Large constructs never coded with burnout in this corpus. These are hints for future studies, to be checked in the wider literature before anyone calls them gaps.

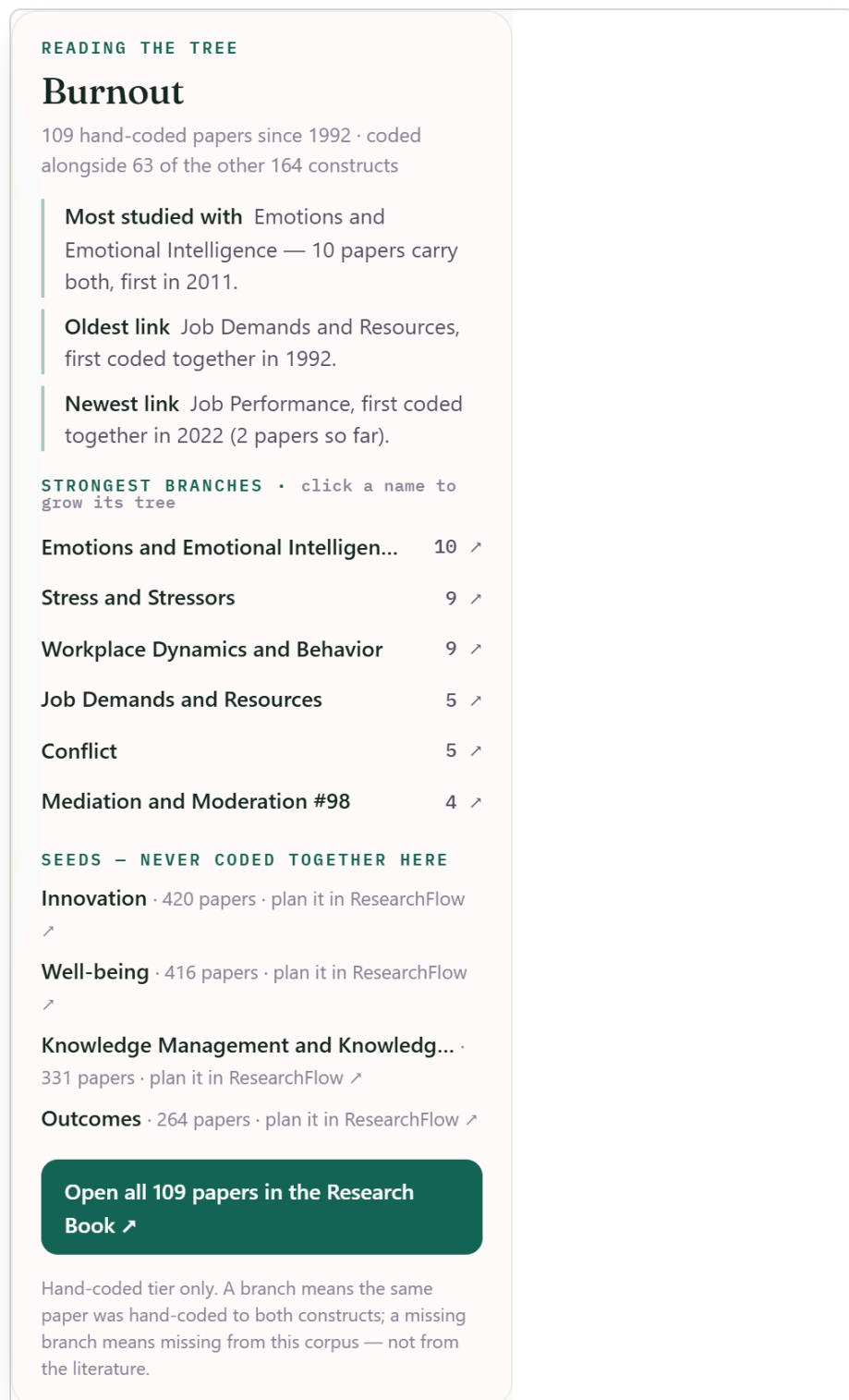


FIG 4.2 The side panel for Burnout: the computed reading, the six strongest branches and the seeds, each seed linked to ResearchFlow.

Each seed opens ResearchFlow with the pairing written as an idea, so a hint becomes a plan with a single click. Volume 2 checks what the Research Book holds on the chosen lens, and Volume 4 audits the plan.

READING CAREFULLY

A branch means the same paper was hand-coded to both constructs. A missing branch means missing from this corpus of 9,388 papers, not from the literature. Coding is by construct, so a paper on a topic can sit under a broader construct name; open the papers before drawing a conclusion.

TIP

When no construct carries your words, the box says so and keeps the last tree. Use the suggestions in the box, or one of the **Try** chips, to find the construct name the Research Book uses.

05

CALM BY DESIGN

Motion, accessibility and phones

The tree grows once, year by year, when it first scrolls into view: the trunk rises, branches sprout in the year they began, and leaves open in the order the papers appeared. Then it stays still.

Animation can help people follow a change, but it can also slow reading and hide detail ^{8,9}. So the tree keeps all of its information in the still picture. The growth simply replays the history the picture already shows.

If your device asks for less motion

When your operating system is set to reduce motion, the tree is drawn fully grown and still. A

▶ **Let it grow** button under the tree replays the growth on request. The same kind of opt-in appears on every visual in the suite.

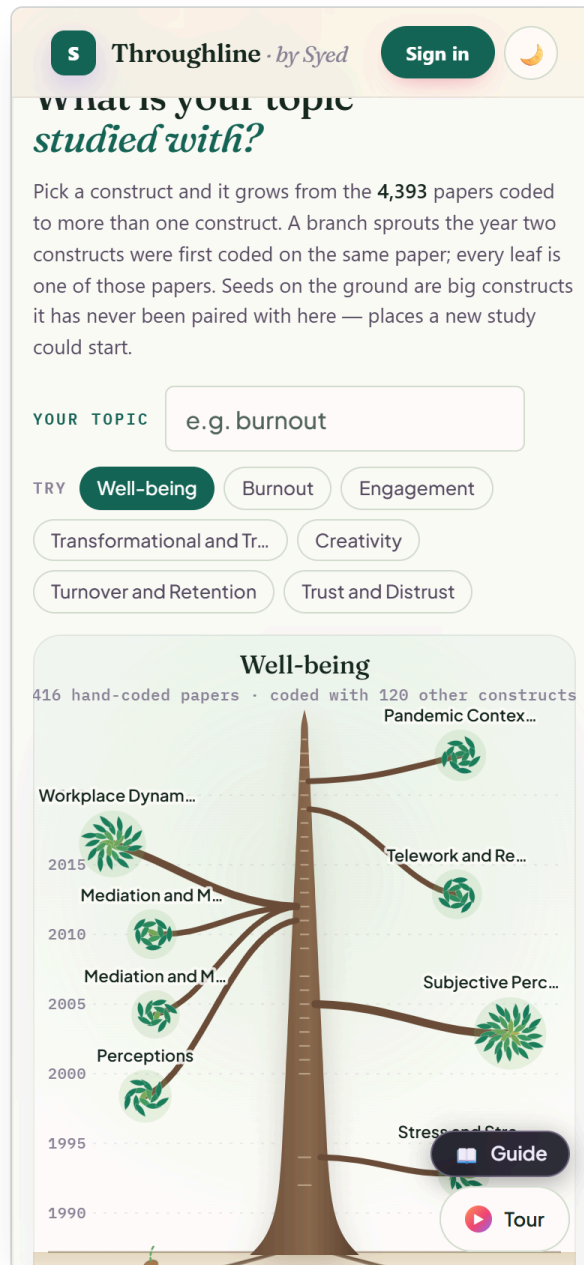


FIG 5.1 On a phone the tree keeps the same encodings, with 8 branches instead of 14, three seeds and shorter labels.

WHY IT MAY LOOK STILL

On Windows, *Settings* → *Accessibility* → *Visual effects* → *Animation effects* controls this. If the visuals look still on your computer, that setting is the usual reason.

06

EVERY DESTINATION

The research directory

Scroll past the tree to find every destination grouped by the job it does.

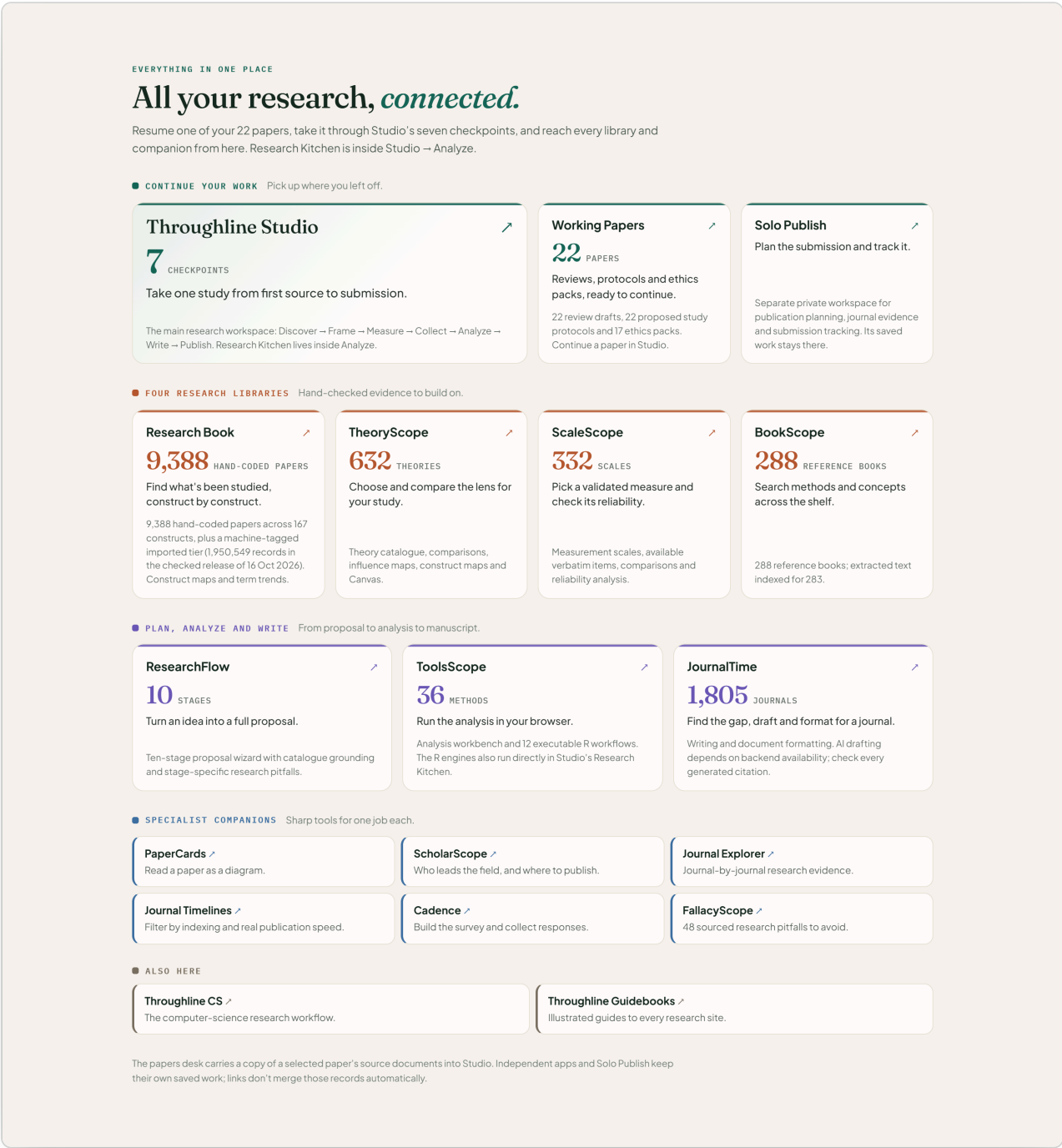


FIG 6.1 The research directory. Each card names the destination and what it holds; ↗ opens it.

GROUP	DESTINATIONS
Continue your work	Working Papers · Lazy Research Lad Studio · Solo Publish (separate private workspace)
Four research libraries	Research Book · BookScope · TheoryScope · ScaleScope
Plan, analyse and write	ResearchFlow · ToolsScope · JournalTime
Specialist companions	PaperCards · ScholarScope / Journal Explorer · Journal Explorer · Journal Timelines · Cadence · FallacyScope

Choosing where to start

I have a topic, nothing else

Use **Quick start** further down the hub: type one line and it routes you to the right first tool. Or open Studio and start a study.

I have a question to frame

ResearchFlow walks ten proposal stages; TheoryScope finds a lens.

I need a measure

ScaleScope — 332 scales with reported reliability and, where available, verbatim items.

I have data

ToolsScope runs the statistics in your browser.

I am writing

JournalTime drafts, targets a journal and formats the manuscript.

I want to read the field

The Research Book and PaperCards.

07

WHAT YOU CAN TRUST

Honesty rules across the suite

Every tool in the suite follows the same rule: research content is never invented.

- Theories, scales, citations, DOIs, authors, years and effect sizes are real and checked. Counts are reported as they are, even when small.
- Machine-matched or AI-assisted content is labelled — "machine-matched · verify", "AI · verify" — and never presented as hand-checked.
- Simulated sample data is labelled *simulated*.
- Visuals separate data from layout: where a position or grouping is a drawing choice, the caption says so.

FOUND AN ERROR?

If you find a number in the suite that does not match its source, that is a defect. Report it with the page and what you expected; corrections are made at the source and recorded.

The data foundations are open scholarly infrastructure: OpenAlex for works and authors ¹⁰, Crossref for DOI metadata ¹¹, and the Scopus source list for journal coverage ¹². Each guidebook in this series names the sources behind its tool.

Glossary

Construct

A named concept a paper studies (for example *work engagement*). The Research Book codes each paper to one or more of 167 constructs.

Hand-coded tier

The 9,388 papers coded by hand over 24 months — the verified core of the Research Book.

Trunk

The construct you chose. Height is time; each ring across it is that construct's hand-coded papers in one year.

Branch

Another construct hand-coded on the same papers. It sprouts at the year the two were first coded together; its length and thickness grow with the number of papers that carry both.

Leaf

One real paper coded to both constructs of its branch. Hover for its title; click for its DOI.

Seed

A large construct never coded on the same paper as yours in this corpus: a hint of where a new study could start, not a claim about the wider literature.

Co-coded

Hand-coded to more than one construct. Only co-coded papers can make branches and leaves.

Working paper

One of the 22 prepared paper packages (review, protocol, ethics) that can be continued as a study in Studio.

References

Every reference was resolved by its DOI against Crossref (or DataCite) and matched on first author and year before it could be cited — 12 sources in this volume. Verification date per entry is kept in `references/verified.json`.

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Version history & errata

This guidebook is version-controlled. Corrections are made in its source, the version number is raised, and the change is recorded here and in [CHANGELOG.md](#). Report an error with the page number and the version printed in the footer.

VERSION	DATE	CHANGES
2.1.4	2026–10–18	Series back to 13 volumes (Throughline CS dropped: a separate product, not one of the Lazy Research Lad sites): covers and title pages now read 'of 13'. Text and figures unchanged.
2.1.3	2026–10–18	Series grows to 14 volumes (ScholarScope, Cadence, FallacyScope and Throughline CS added): "of 14" on the cover and title page; content unchanged.
2.1.2	2026–10–18	Series grows to ten volumes: Volume 10 (BookScope) added, so covers and title pages now read 'of 10'. Text and figures unchanged.
2.1.1	2026–10–18	Suite renamed: Throughline is now Lazy Research Lad (series, titles and text). Screenshots unchanged.
2.1.0	2026–10–17	Interior rewritten for the corpus tree, which replaced the river on the live hub: the reading chapter, a new worked-study chapter on burnout's tree, motion and phones, glossary and design notes. Figures recaptured 17 October 2026.
2.0.1	2026–10–17	Light cover edition: paper-cloth cover with the volume's accent spine and the live figure as a plate, captured in light theme 17 October 2026.
2.0.0	2026–10–17	Rewritten as the series map: the worked study's route through Volumes 2–9, the river's computed finding and topic box, the redesigned research directory, and the suite's honesty rules. All figures recaptured 17 October 2026.
1.0.0	2026–10–16	First edition. Figures captured 16 October 2026 from the live site.

Errata

VERSION	WHERE	CORRECTION
2.1.0	Ch 3–5 (river chapters replaced)	Interior rewritten for the corpus tree, which replaced the river on the live hub: the reading chapter, a new worked-study chapter on burnout's tree, motion and phones, glossary and design notes. Figures recaptured 17 October 2026.