AutoLit

AutoLit is Nested Knowledge's platform for performing a review. On AutoLit, you can **Search** for records, **Screen** out records that are not relevant to your research, and **Extract** relevant qualitative data using tags.

Additionally, other features include **Meta-Analytical Extraction** to extract quantitative data, and **Manuscript Editor** to compile your evidence. For more information and a brief overview of the AutoLit tool, explore the pages below!

When completing a review on AutoLit, you will automatically generate the interactive, data-driven visuals presented in **Synthesis.**
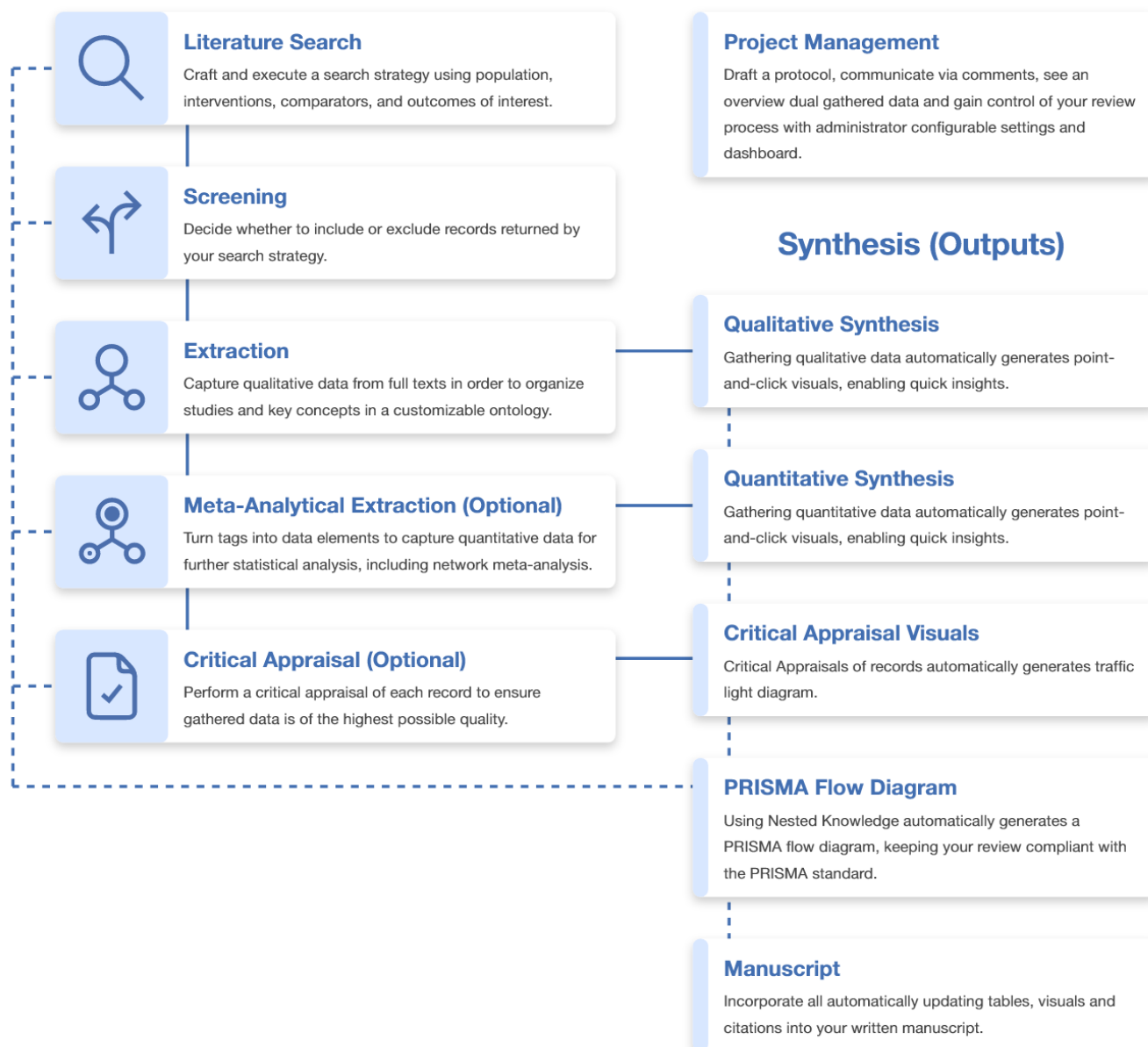
Getting Started

- See our **Getting Started** page to find a walk-through of the tasks to start a 'nest' (an interactive, updatable review in AutoLit).
- Want to try out the software in an already-existing project? See our **Demos**, which you can edit and practice in!

The AutoLit Workflow

By creating a review in AutoLit, you automatically create interactive, visual outputs on Synthesis. To see the connections between the AutoLit tasks and Synthesis outputs, see the figure below:

AutoLit (Workflow)

Literature Search
Craft and execute a search strategy using population, interventions, comparators, and outcomes of interest.

Screening
Decide whether to include or exclude records returned by your search strategy.

Extraction
Capture qualitative data from full texts in order to organize studies and key concepts in a customizable ontology.

Meta-Analytical Extraction (Optional)
Turn tags into data elements to capture quantitative data for further statistical analysis, including network meta-analysis.

Critical Appraisal (Optional)
Perform a critical appraisal of each record to ensure gathered data is of the highest possible quality.

Project Management
Draft a protocol, communicate via comments, see an overview dual gathered data and gain control of your review process with administrator configurable settings and dashboard.

Synthesis (Outputs)

Qualitative Synthesis
Gathering qualitative data automatically generates point-and-click visuals, enabling quick insights.

Quantitative Synthesis
Gathering quantitative data automatically generates point-and-click visuals, enabling quick insights.

Critical Appraisal Visuals
Critical Appraisals of records automatically generates traffic light diagram.

PRISMA Flow Diagram
Using Nested Knowledge automatically generates a PRISMA flow diagram, keeping your review compliant with the PRISMA standard.

Manuscript
Incorporate all automatically updating tables, visuals and citations into your written manuscript.

AutoLit Home

Any nest that you create, as well as any nest that is shared with you or your organization, will be listed on your AutoLit Home page.

Features

- **Search:** Build a structured search using Search Exploration, run automatic and updatable searches on PubMed, and import records from other search indices or external sources.
- **Screen:** Configure your study's Exclusion Reasons, and then include relevant studies and exclude irrelevant studies, using either single or Dual Screening.
- **Extract:** Build Hierarchies of concepts of interest from underlying studies, or save work by importing your Organization's Template Hierarchies! Extraction will automatically create a **Qualitative Synthesis** diagram of your work.

Optional:

- **Meta-Analytical Extraction:** Gather quantitative data from underlying studies (and, as necessary, perform Critical Appraisal assessments) that automatically populates your **Quantitative Synthesis**.
- **Write:** Draft your public Abstract using our **Abstract Editor**, full write-ups using our **Manuscript Editor**.

Other Resources

Systematic reviews are complicated! Here are some further resources to help with your study design and nest building:

- **Synthesis:** The process outlined above creates interactive data-visualizations in our Synthesis software.
- **Organizations** give you capabilities like inviting all collaborators at once, overseeing projects, and providing and using Organizational Templates.
- **Study Inspector** is your one-stop page in a nest to view, filter, and edit any study's content.
- **Best Practices for Review:** If you need guidance on how to design, perform, or draft a systematic review, see our guidance documents!
- **Support:** Please contact us if you need help with a technical issue, or have a suggestion for an improvement to our workflow our outputs!
- **Free Video Course on Systematic Review:** If you want to learn about Systematic Review from our course on **How to Review the Medical Literature**, sign up today!