

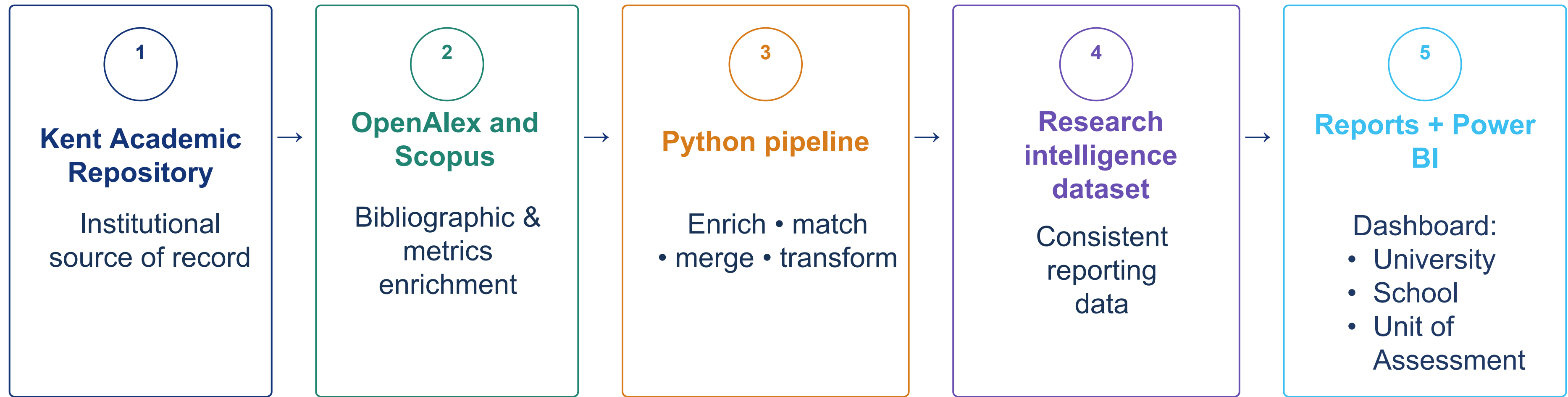
1 Why did we build it?

The project began with a request from the School of Psychology for better publication and citation metrics. An initial metrics script led to a wider question: what more could we get from OpenAlex?

This became an exploration of how institutional repository data could be enriched with OpenAlex data and complementary Scopus metrics.

2 Bringing the data together

Kent Academic Repository remains the institutional source of record. OpenAlex and Scopus provide complementary enrichment.



3 From data to useful reporting

The resulting dataset supports reporting at University, School and REF Unit of Assessment level.

An interactive Power BI dashboard allows users to explore publication activity, metrics, collaboration and research themes.



4 What does combining the data enable?

Research reporting

- Publication trends
- Citation metrics
- Collaboration
- Open access
- Subject areas and funders

Collections and librarianship

- What researchers view through subscriptions
- What researchers cite in their publications
- A complementary evidence source for collections work

Teaching and Sustainable Development Goals

- OpenAlex classifications for the UN Development Goals
- Used by Kent Business School
- Supports evidence of research activity against the Sustainable Development Goals for the Principles for Responsible Management Education

Open and reusable software

- Pipeline deposited in Kent Data Repository
- Documented and reproducible
- Can be inspected, reused and adapted

5 Reproducibility, reuse and lessons learned

Reusable software

Eight tested Python scripts, installation and workflow documentation, Power BI guidance and known limitations.

Adaptable, not plug-and-play

Other institutions would need to map their own repository structure, organisational arrangements and identifiers.

Methodological principles

Kent Academic Repository is the institutional source of record; OpenAlex and Scopus provide complementary enrichment.

Avoid double counting

Outputs can appear in more than one School or Unit of Assessment report, so report totals should not be added together.

Access matters

Institutional authentication and licensing can limit external access to interactive dashboards.

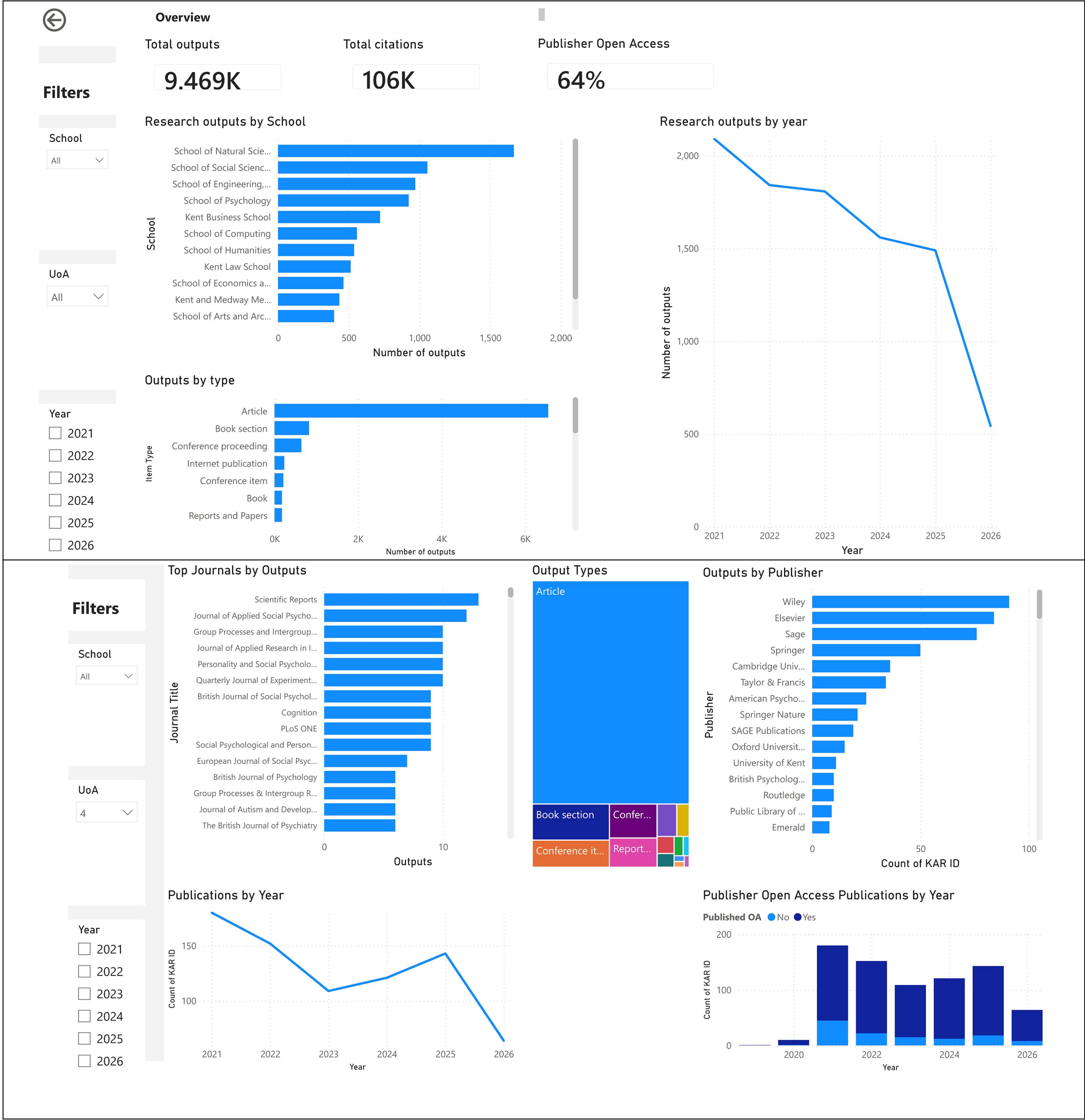
6 Reuse the pipeline

Research Publication and Metrics Reporting Pipeline

Scan to access the Kent Data Repository record, software and documentation.



Power BI Dashboard



7 Selected bibliography

Indukuri, G. (2025). Building a Power BI Dashboard with OpenAlex API. <https://aura.abdn.ac.uk/items/03fd19a4-abda-4c92-8e1a-f680562e4501>

Malin, N. (2023). Use of Institution Data Analysis for Publisher Negotiations. <https://www.repository.cam.ac.uk/items/8eb57acf-0f49-44eb-95af-c1c8d9cba946>

Mishra, V.K., Rath, D.S. & Pandey, B.N. (2026). Developing Real-Time Research Data Visualization Dashboard for Academic Institutions and Libraries. <https://doi.org/10.22034/ijism.2026.2057528.1780>

Soldati, F., Indukuri, G. & Francis, E. (2025). Leveraging OpenAlex for Automated Dashboards: Is OpenAlex all we need? <https://aura.abdn.ac.uk/items/5d84f67e-2901-4a09-bb0d-c8626a66137a>

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