

From Metadata to Insights: How Libraries Support University Decision-Making with RIMS Data?

Step 1: Identifying Data Sources

Core data: Lingnan Scholars

Powered by Elsevier's **Pure**

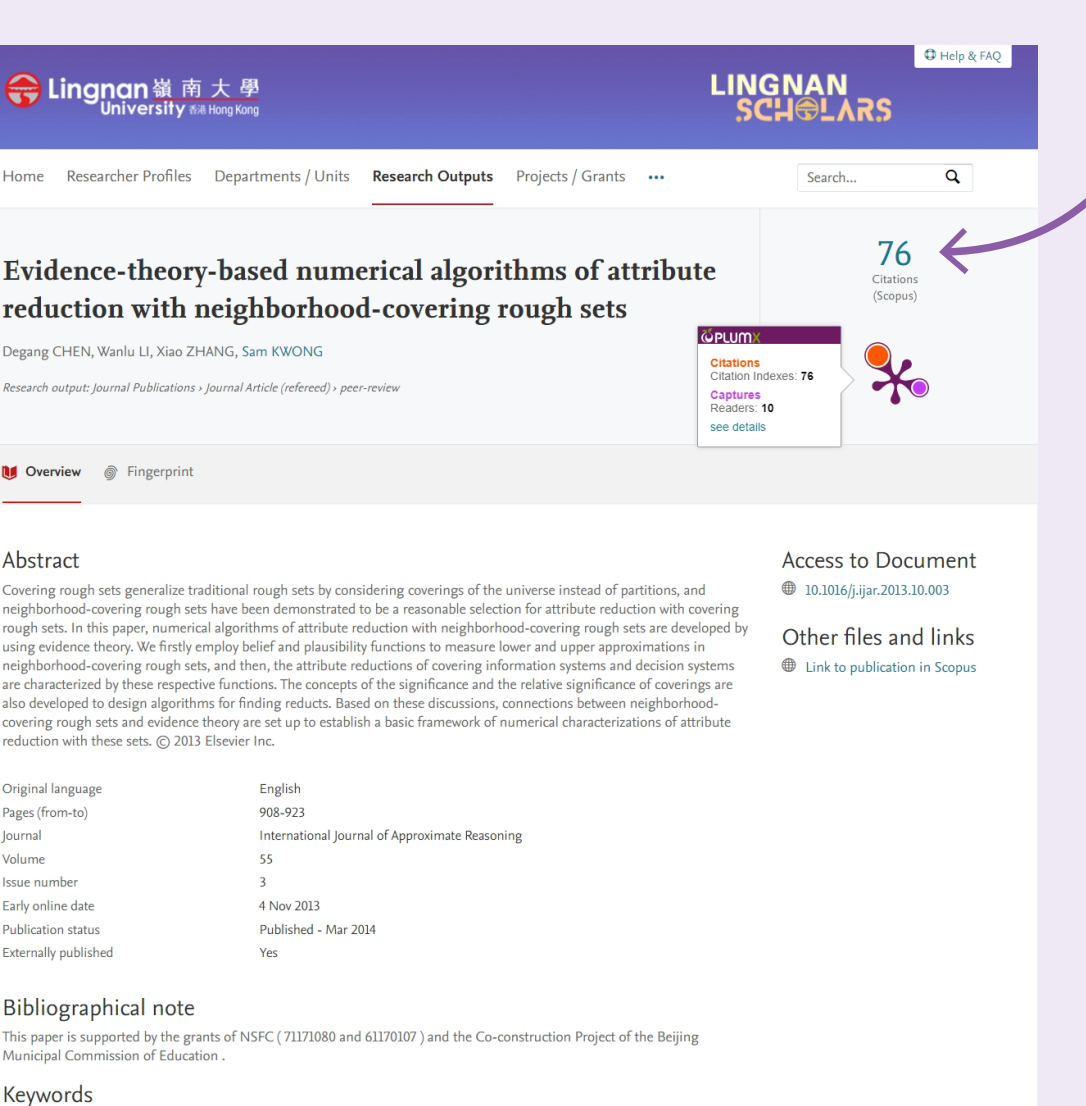
Synched with **SciVal Scopus**

Lingnan University's first **Research Information Management System**

Capture all **research-related data** at Lingnan

Single Source of Truth for the University's Research Landscape

The **Library** assumes the **RIMS data stewardship**



LINGNAN SCHOLARS

External Sources: Supplemental data

Key research metrics from **selected sources** **SJR**

Enrich data for **in-depth impact analysis** **overton**

Journal Citation Reports™

Challenges

Unstructured raw data

Untreated raw data is **meaningless & un insightful**, thereby hindering understanding & informed decision-making

Lack of Interoperability

RIMS data **does not readily integrate** with valuable external data without a unifying process

Step 2: Leveraging Data via Microsoft Fabric

No-Code/Low-Code data analytics tool

Empowering Librarians' **Metadata Expertise** to directly manage the full **data lifecycle** → **Increased Flexibility & Reduced IT Reliance**

- Collect** data from various sources (API / manual upload) **Pipeline**
- Harmonize** Data **Dataflow**
- Store data into a **centralized dataset** **Lakehouse**

Skill Development and Future Directions

Embracing No-/Low-Code Tools while Deepening Analytical Skills

- ◆ **Bibliometric & data analytic skills** > Coding expertise
- ◆ Understanding the **meaning & significance of RIMS data & metrics** = Key to transforming **RIMS Data into Actionable Insights**

From Metadata Management to Insight Generation

- ◆ Moving beyond basic RIMS management to actively transform data into **high-value, useful insights**
- ◆ Developing new analytics services for the **University's research landscape**

Positioning the Library as a campus Data Partner

- ◆ Since the launch of our first dashboard, **requests from stakeholders across campus** reflect the Library's evolving role as a **trusted data partner**

Step 3: Visualizing Data via Power BI into Narrative Insights

Visual presentations make data more **understandable & communicable** → **Transparency + knowledge creation & sharing**

Internal Dashboards: For **assessment purposes** & to support **decision-making**

Combining Key Metrics

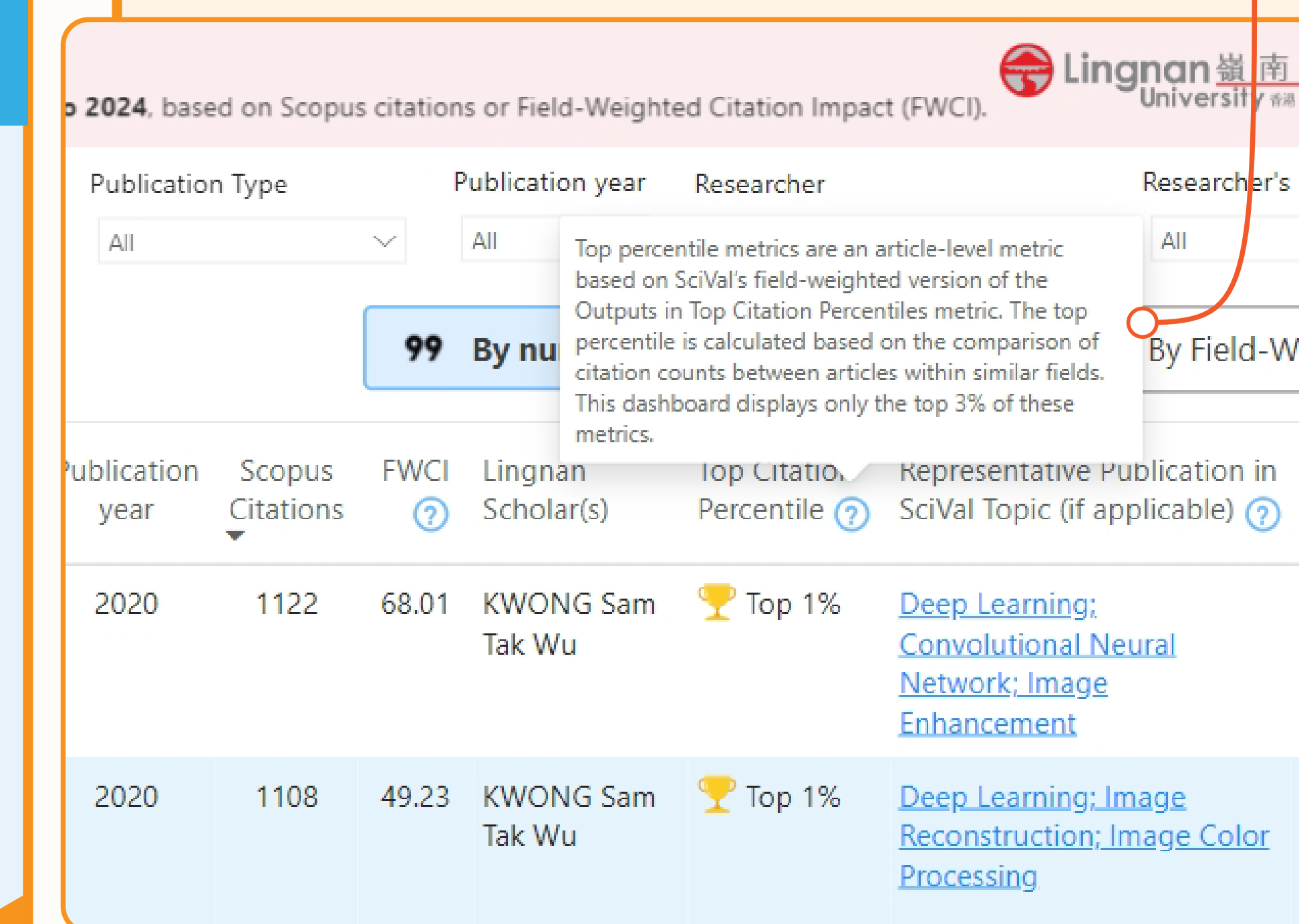
Leveraging the **Library's expertise** to **consolidate & explain** research metrics, empower **users' understanding**

Interactive Filters

allow users to refine analysis by their **specific needs**

Purpose-Built

Tailored for **specific needs**, e.g. supporting RAE (Hong Kong's university research quality assessment)

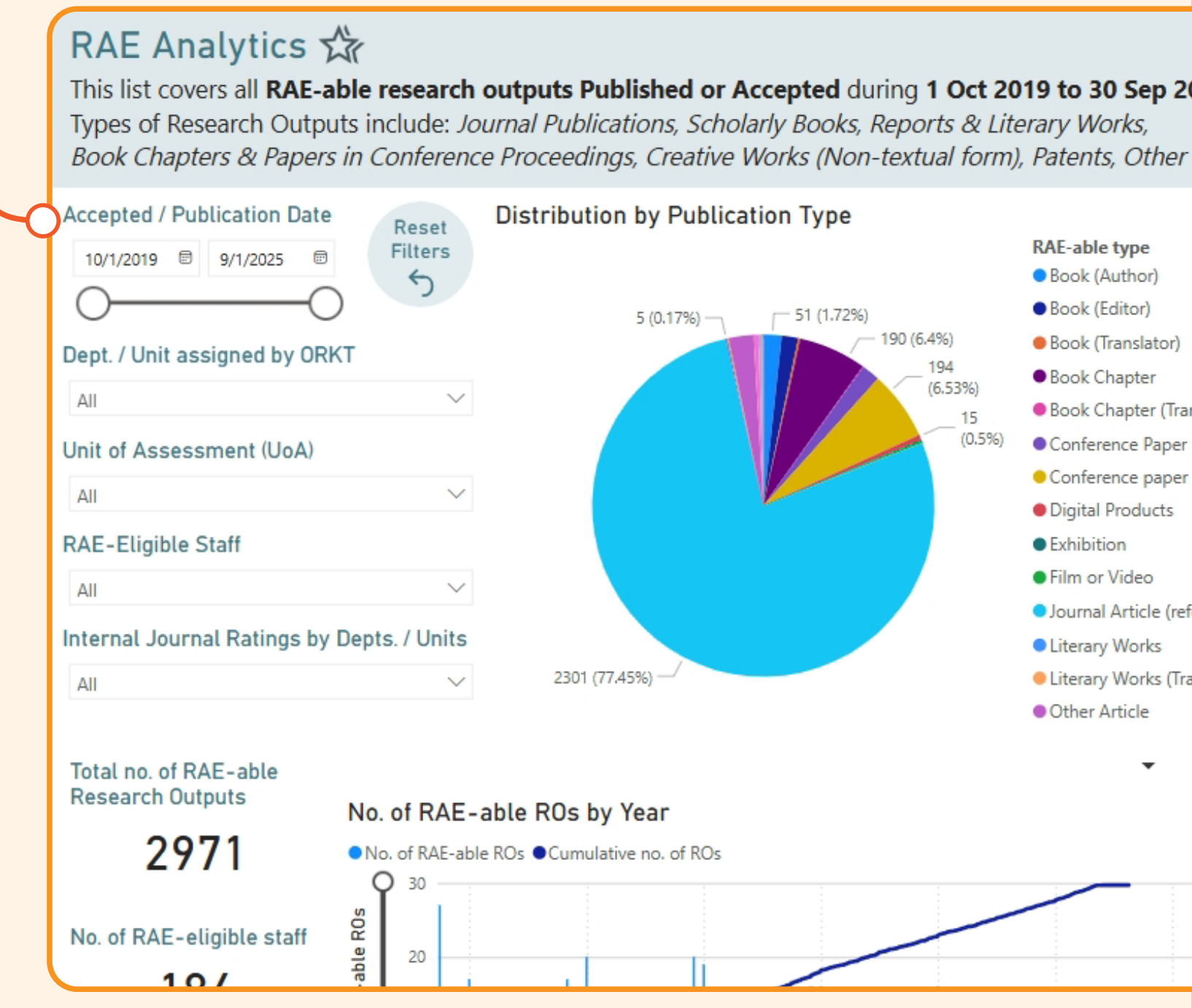


In-depth Analysis

Integrate data from **various sources** (e.g. WoS, Scopus / SciVal) to provide **multi-faceted insights**

Data Visualization

Identify **patterns & trends** at a glance



Narrative Storytelling

Communicate insights derived from data more effectively

Automated Updates

ensure the data reflects the **current status**

External Dashboards:

Showcasing the University's research impact

View our SDG Dashboard

