AI Automation in Research Intelligence

Christian D. Basile

Clarivate Analytics

April 11, 2025

Project: Research Intelligence Enhancement for Converis

Objective: Improve Clarivate's Converis platform competitiveness in the Canadian market.

- Developed Python-based data automation tools on Linux environments.
- Designed algorithms to auto-import publication data from web and file sources.
- Created approximations of researcher metrics using bibliometric analysis.
- Benchmarked key KPIs against competitor platforms.

Approach Tooling

- Combined NLP and heuristics to extract metadata from unstructured formats.
- Built ETL pipeline to match publications to researcher profiles.
- Applied clustering and regression techniques to estimate h-index, publication volume, and grant impact.
- Output used to support sales strategy and product enhancements.

Summary: Clarivate Analytics

- Deployed AI techniques for publication tracking and metric approximation.
- Boosted Converis adaptability for research institutions in Canada.
- Advanced Clarivate's data pipeline maturity and automation capabilities.

Thank You

Questions or collaboration ideas?

`christian.daniel.basile@gmail.com`

LinkedIn — GitHub — Portfolio