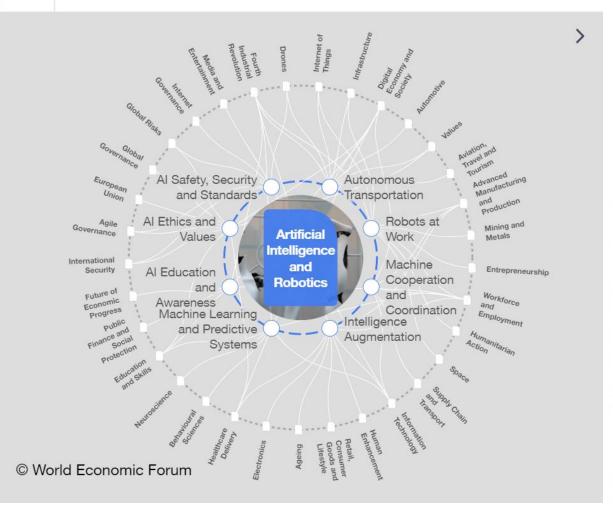


Library: ways that increase the library usage





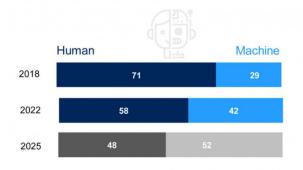
Strategic Intelligence



AI 趨勢 銳不可擋!

Rate of automation

Division of labour as share of hours spent (%)



Source: Future of Jobs Report 2018, World Economic Forum

"Machine learning is a subset of A.I. that gives computer systems the ability to learn and improve from prior experience automatically, without being explicitly programmed. The technology's power lies in the fact that machines can recognize patterns efficiently and routinely, at a scale and speed that humans cannot approach!"



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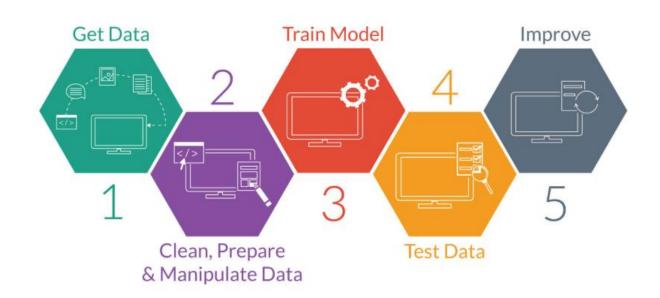
(650) 575-9958 cnc@stanford.edu

Catherine Nicole Coleman

Digital Research Architect, Research Director, Humanities + Design

Nicole is the Digital Research Architect at Stanford University Libraries, working within the Digital Library Systems and Services group. With Dan Edelstein, she co-directs Humanities + Design, a research lab based at the Center for Spatial and Textual Analysis (CESTA).

"Machine learning is a subset of A.I. that gives computer systems the ability to learn and improve from prior experience automatically, without being explicitly programmed. The technology's power lies in the fact that machines can recognize patterns efficiently and routinely, at a scale and speed that humans cannot approach!"





1. 促進內容發掘與跨學科傳播

A.I. accelerate the process of recognizing the citation relationship across disciplines

2. 提升閱讀與理解效率

A.I. resolves the semantic complexity at high speed for researchers to better understand the contents

3. 確保學術倫理

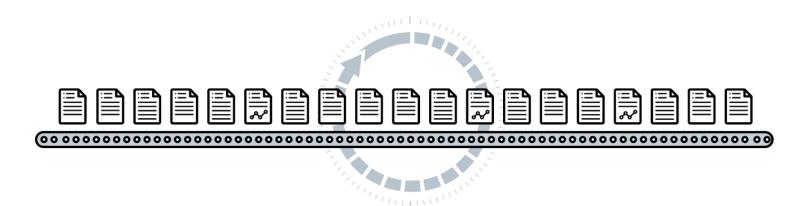
A.I. processes a large volume of text and data to look for the similarity or the "unusual patterns"

A.I.-aided Research Workflow – 流程舉例



The Problem

Too many documents. Not enough time.

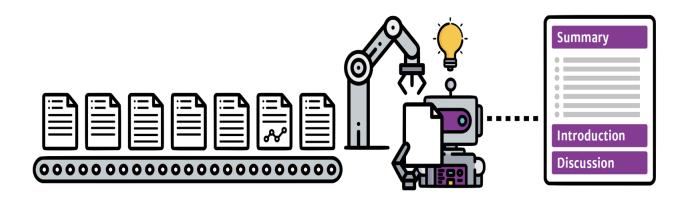


A.I.-aided Research Workflow – 流程舉例



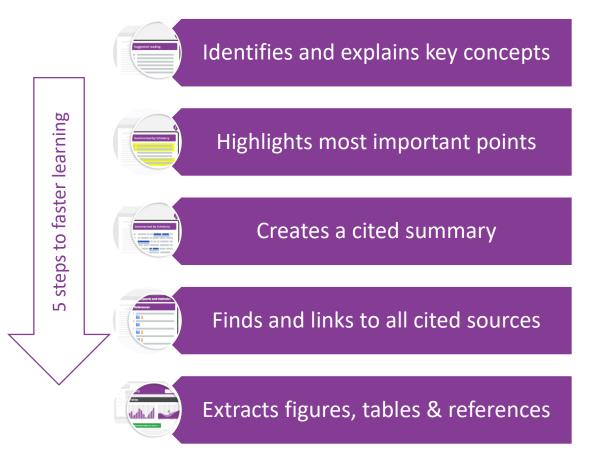
The Solution

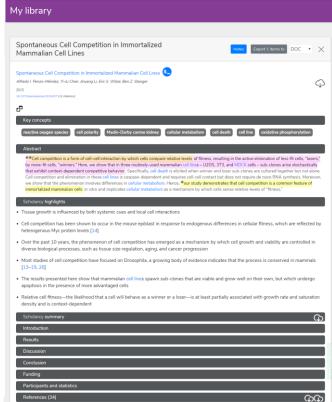
A summary flashcard of any paper that you can read on any device

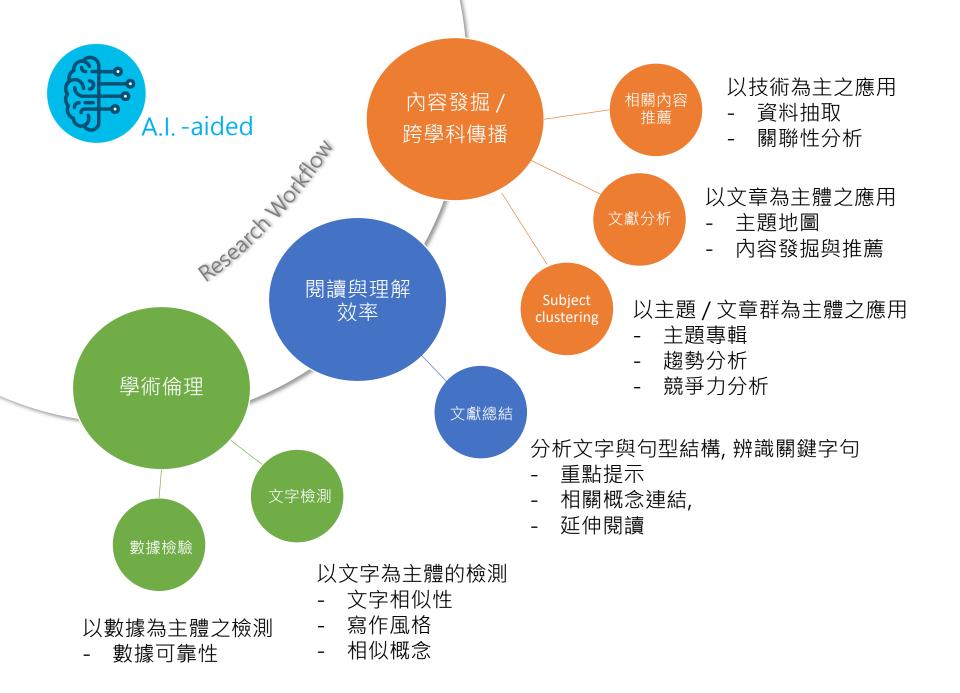


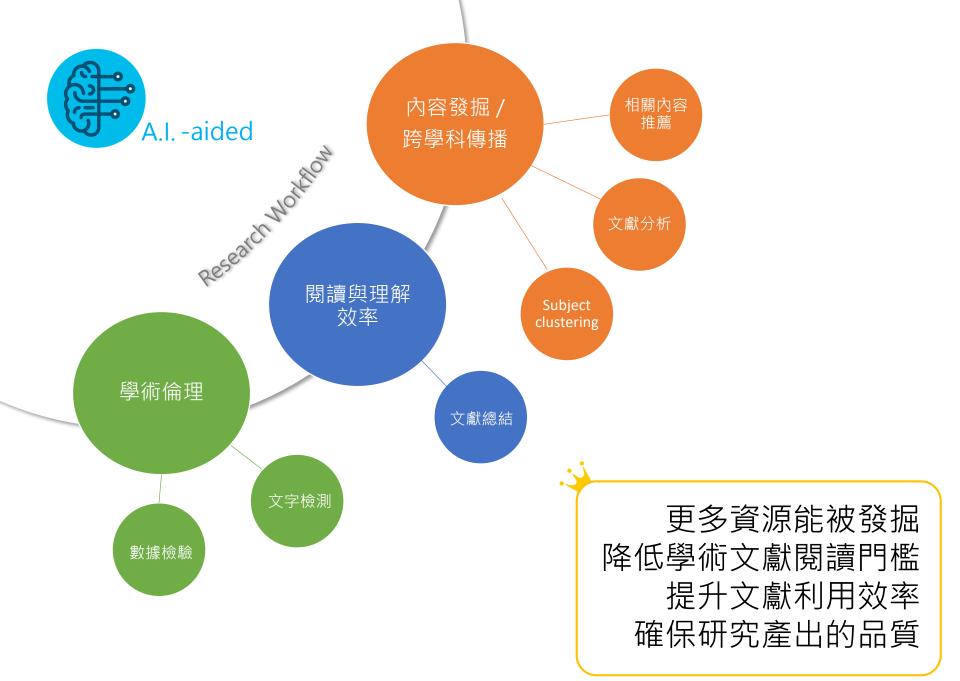
A.I.-aided Research Workflow – 流程舉例

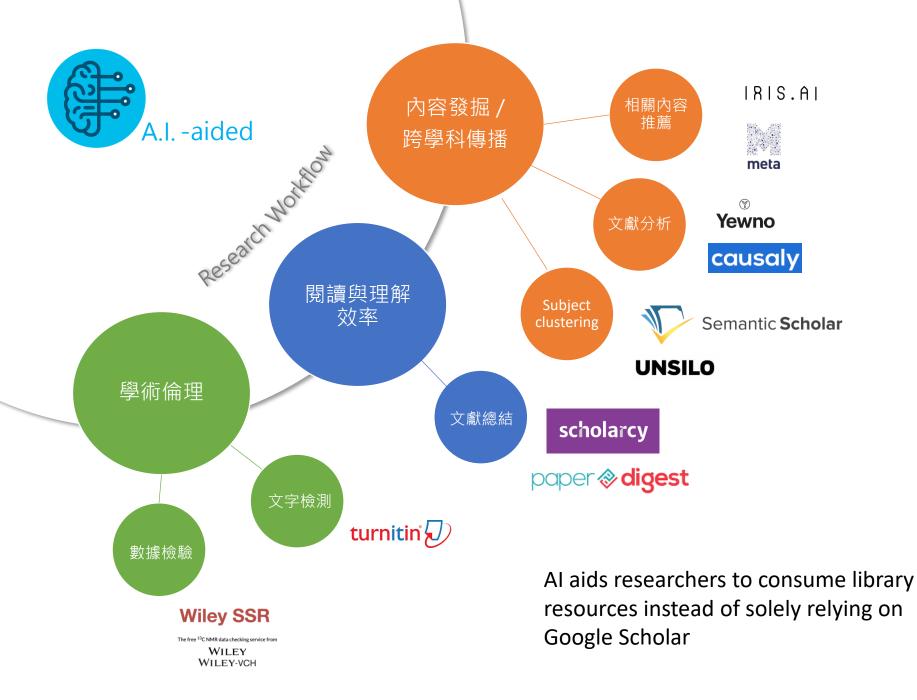
scholarcy











A.I.-aided Research Workflow 與圖書館服務整合的可能圖像

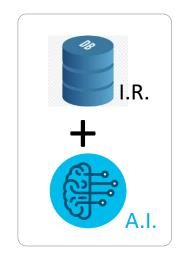
獨立運作

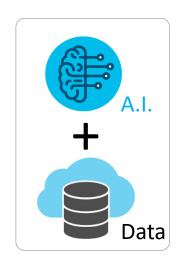




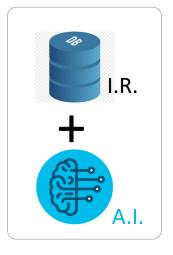


各自與 AI 整合





AI 與 IR 結合









• 人類 vs. 機器

Domain expert interpretation versus trend & pattern

• 資料來源很重要

"Garbage in, garbage out"

Deep fake

A.I. is a double-edge sword. "It's good to spot, but it's also good to fake!"



Than k You

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"We share your discovery!"

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