

SRU

คณะวิทยาศาสตร์และเทคโนโลยีอุตสาหกรรม
มหาวิทยาลัยสงขลานครินทร์

AI

ทำให้ชีวิตวิจัยง่ายขึ้น


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Agenda

- 5 min. Everyone's Inspiration
- 20 min. Building Confidence for My Top AI Tools
- 10 min. Discussion
- 5 min. Take Home Message

Total max. 40 min.



What are the
LIMITATIONS of
doing research?



Overcoming nervousness

1. Literature Search
2. Knowledge Maps
3. Reading Paper
4. Presentation
5. Writing Paper (No Free)



Building
Confidence
from My **Top**
AI Tools

Literature Search



Think of it as the love child of Wikipedia and ChatGPT—only smarter, faster, and more conversational.

- Conversational Search
- Follow-up Questions
- Document Uploads
- Multimodal Capabilities (Pro Version)



This ingenious platform leverages artificial intelligence to offer answers based strictly on scientific research and peer-reviewed articles.

- Research-Based Search Results
- Consensus Meter
- Citation-Based Ranking
- Answer Synthesis
- Easy Citation Search

Knowledge Maps



**CONNECTED
PAPERS**

Simple but powerful **one-shot** visualization tool using one seed paper.



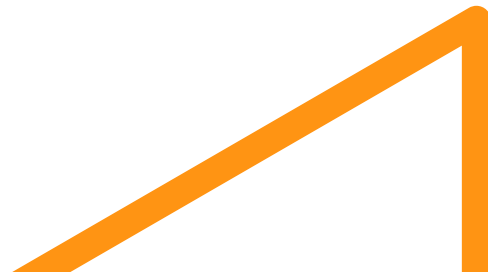
Inciteful

Customizable tool , use **multiple seed papers** in an iterative process



Litmaps

Use **multiple seed papers and overlapping maps**, combining search with citation relationships and visualization



Reading Paper



Scholarcy is an online summarizing tool that helps people to quickly summarize long pieces of text using AI techniques.

Features list:

- ✦ Summarize
- ✦ Key information
- ✦ Generate summary flashcards
- ✦ Extract main points
- ✦ Use cases

Typeset is a research authoring and collaboration platform with automated formatting, reference management, templates and tools for better writing and submission of papers.

Features list:

- ✦ Typeset editor
- ✦ Reference management
- ✦ Library of templates
- ✦ Automated formatting
- ✦ Collaboration tools





Presentation

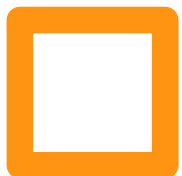


Gamma



Canva

| |  Gamma |  |
|----------------------------------|--|---|
| Ease of use | ✓ Yes | ✓ Yes |
| Skills required | No design experience required | No design experience required |
| Requires a lot of editing | ✓ No | ✗ Yes |
| Step-by-step guide | ✓ Yes | ✗ No |
| In-app editor | ✓ Yes | ✓ Yes |



Marc Astbury

- New
- Documents
- Library
- AI Chat

- Refer and earn
- Tutorials
- Help
- Shortcuts

The Effect of a Ketogenic Diet on Human Lon...

Recent studies have suggested that the effect of the diet on longevity may be due to the promotion of energy homeostasis rather than to any direct effect on the aging process itself. However, the exact mechanisms behind these effects are still not fully understood (Ormazabal et al., 2018).

Further research is needed to fully understand the mechanisms underlying the relationship between a ketogenic diet and longevity in humans, but existing evidence suggests that it may be a promising dietary pattern for increasing health-span and improving metabolic function (Kayode et al., 2020).

The potential of ketogenic diets to enhance longevity has garnered significant attention in recent years. While the diet has been intensively studied and utilized as a treatment for epilepsy, emerging research indicates that the potential health benefits of this dietary approach may extend well beyond neurological conditions to encompass broader applications in promoting overall health and lifespan.

Aging is a fundamental risk factor for many major diseases, including various forms of cancer, neurodegeneration, and cardiovascular disorders (Babygirija et al., 2024). One study found that a ketogenic diet significantly increased median lifespan and survival in adult mice compared to controls. The researchers also observed preservation of motor function, memory, and muscle mass in aged mice on the ketogenic diet, suggesting potential benefits for healthspan as well as lifespan (Qu et al., 2024).

Press ⌘ + / for an Autocomplete suggestion...

Risks

There are, however, some concerns that long-term consumption of a ketogenic diet could have negative side effects that could jeopardise health. For example, low blood sugar levels and increased lipid profiles have been observed in some individuals following a ketogenic diet Schleicher et al. (2019). Further research is needed to fully understand the potential benefits and risks of a ketoaenic diet for

Library

Sources

Search Sources

Human Development, 2022

+ Cite View AI Chat

The Cambridge handbook of the neuroscience of creativity

Gabora

The Cambridge Handbook of the Neuroscience of...

+ Cite View AI Chat

Practical Neurology linked to the curriculum: An online resource

Sokhi, Brockington, Lo

Practical Neurology, 2017

+ Cite View Upload PDF

Rethinking fast and slow processing in autism

Taylor, Farmer, Livingston, Callan, Shah

Journal of Psychopathology and Clinical Science, ...

+ Cite View Upload PDF

Neurodiversity

Missing authors

+ Cite View

Becoming trauma informed

Millstein

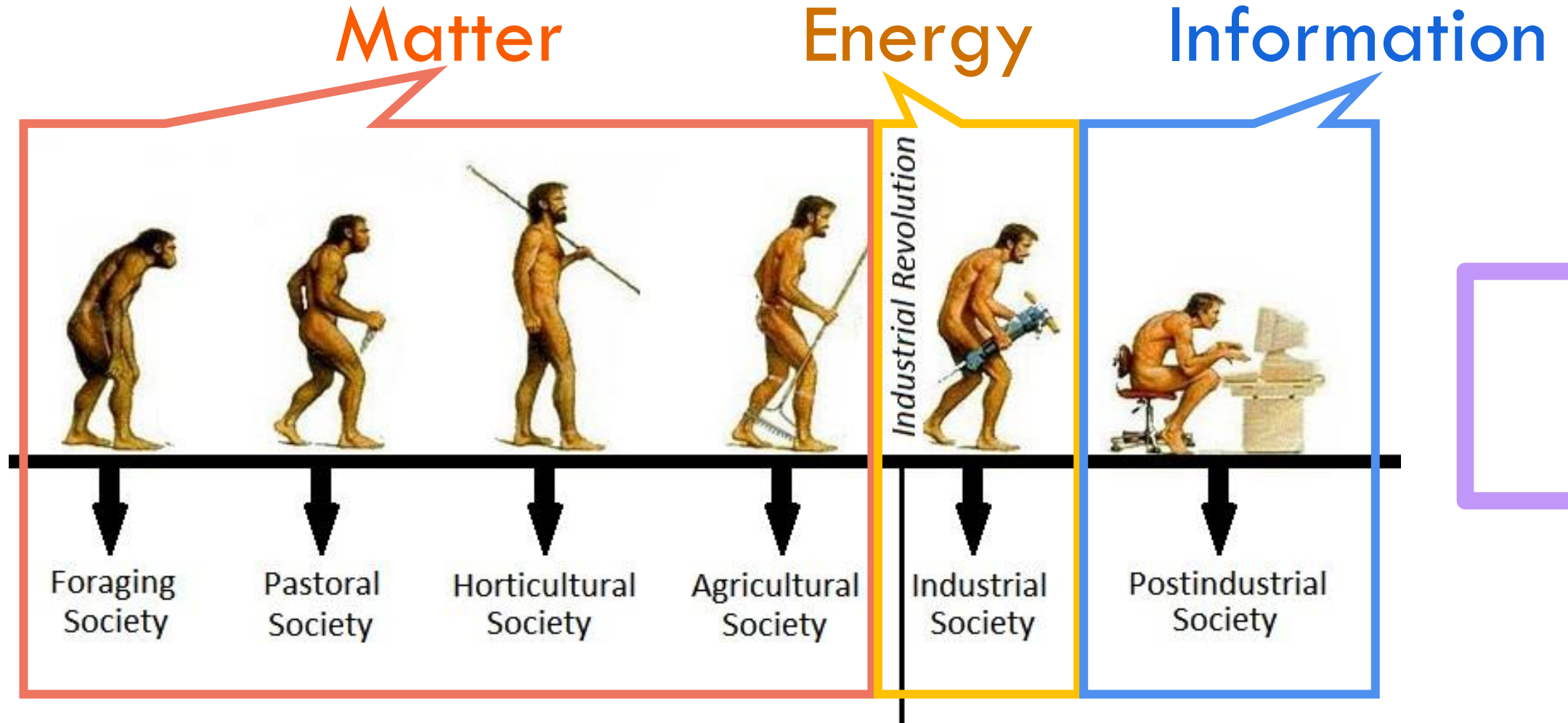
Journal of general internal medicine, 2020

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Discussion



Take Home Message



Thank You
for Your Attention

<https://sites.google.com/view/aiscit/>



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