

# AI-Assisted Literature Review

## *A Systematic Approach for Research Excellence*

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# AI Has Suddenly Arrived

# The Current Moment

## Where we find ourselves:

- AI entered our lives suddenly
- We're all oscillating between over-enthusiasm and unfounded fear
- It's being marketed as: **“Work much faster!”**

But is that really what matters?

# The Reality of AI as a Tool

# A Tool Is Only as Good as Its Use

## My experience with AI:

- Less time on boring, repetitive tasks
- **MORE** time on what I cherish and care about
- Not about speed - about focus and intentionality

The value isn't faster work - it's better allocation of your time

# The Temptation

# “Vibe Research”?

## **In IT, there’s “vibe coding”:**

- Describe what you want
- Let agents execute unsupervised
- Hope for the best

## **We could imagine “vibe research writing”...**

- Describe your literature review needs
- Let AI run unsupervised
- Trust the output

But should we?

# Our Approach



# Intentional & Methodological

## **This course demonstrates:**

- Everything you do is **intentional**
- Everything remains **under your control**
- Everything is **grounded** in theory and traditional experimental methods

**Use case:** Literature review done right with AI

# The Week Ahead

# Our Journey

## 5 Days of hands-on practice:

- **Day 1:** Experience the challenges (foundations)
- **Day 2:** Build effective prompts
- **Day 3:** Evaluate systematically
- **Day 4:** Synthesize literature reviews
- **Day 5:** Real-world applications & planning

Full agenda in [GitHub repo](#)

# How We'll Work Together

# Collaborative & Iterative

## **Our approach:**

- Hands-on practice each day
- Shared Google docs for observations and collaboration
- Your feedback shapes the course
- We're exploring together

**This is exploratory** - your input matters

# What We'll Create

# Individual & Collective Outputs

## By the end of the week:

- **Individual:** Your own prompts and workflows for your domain
- **Collective:** Collaborative documentation/report
- **Goal:** A methodological approach you can actually use

Not templates to copy - principles to adapt

# Let's Begin



# Next Steps

## Coming up:

- **Session 1B:** AI Platforms overview
- **Session 1C:** You'll try paper extraction yourself (hands-on)
- **Session 1D:** Making sense of the experience (Three Gulfs)
- **Session 1E:** Collaborative discussion

Ready to explore?