



Does history repeat itself?



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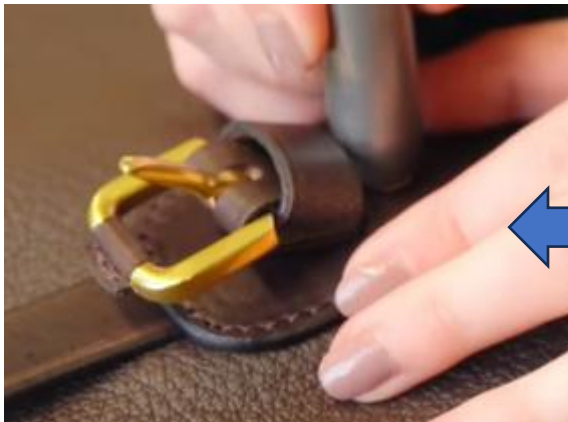
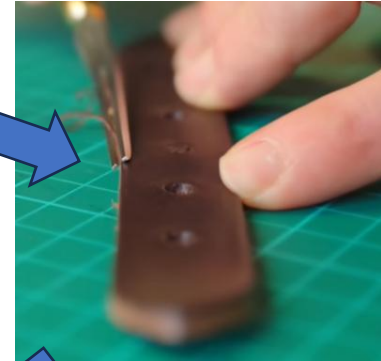


Is this bag
handmade?



Proposition 1:

- Have a variety of specialised tools for specific tasks that can integrate into our processes and practices.





Proposition 2:

- Quality can triumph over quantity if it becomes the distinguishing factor

“The quality of pottery has improved since the industrial revolution” - unknown

AI-ASSISTED RESEARCH PAPER WRITING: THE WORKFLOW

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graph LR; subgraph Step1 [DEFINE & PLAN]; direction TB; S1_1[Brainstorm Topic]; S1_2[Draft Research Question]; S1_3[Action: User inputs topic prompt]; end; subgraph Step2 [INFORMATION GATHERING]; direction TB; S2_1[Use AI (e.g., ScholarAI, Elicit) to Find Relevant Studies]; S2_2[Summarize Research Papers]; S2_3[Synthesize Sources]; S2_4[Result: Annotated Bibliography & Synthesis Notes]; end; subgraph Step3 [STRUCTURE & OUTLINE]; direction TB; S3_1[Draft a Logic-Based Outline]; S3_2[Action: AI assists in structuring content flow and arguments]; S3_3[Result: Detailed Research Paper Outline]; end; subgraph Step4 [ITERATIVE DRAFTING]; direction TB; S4_1[Generate Text Section by Section]; S4_2[Action: User commands AI (e.g., GPT-4) to write a complex paragraph or introduction]; S4_3[User Reviews & Refines AI Content]; S4_4[Result: Complete First Draft (Human & AI mix)]; end; subgraph Step5 [CITATIONS & REFERENCES]; direction TB; S5_1[Ensure Proper Citing of all Sources (e.g., APA, MLA)]; S5_2[Create a Comprehensive Reference List]; S5_3[Accurate and Standardized Bibliography]; end; subgraph Step6 [CITATIONS & REFERENCES]; direction TB; S6_1[Ensure Proper Citing of all Sources (e.g., APA, MLA)]; S6_2[Create a Comprehensive Reference List]; S6_3[Accurate and Standardized Bibliography]; end; subgraph Step7 [POLISH & ETHICAL REVIEW]; direction TB; S7_1[Grammar and Clarity Check]; S7_2[Plagiarism Scan (with AI tools)]; S7_3[Ethical Double-Check]; S7_4[Final human edits for style and originality]; end; subgraph Step8 [FINAL PAPER]; direction TB; S8_1[Refining & Synthesis]; S8_2[Review & Revise]; S8_3[FINAL PAPER (HUMAN-DIRECTED, AI-SUPPORTED)]; end; Step1 --> Step2; Step2 --> Step3; Step3 --> Step4; Step4 --> Step5; Step5 --> Step6; Step6 --> Step7; Step7 --> Step8; Step4 --> Step8;
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DEFINE & PLAN

- Brainstorm Topic
- Draft Research Question

Action: User inputs topic prompt

INFORMATION GATHERING

- Use AI (e.g., ScholarAI, Elicit) to Find Relevant Studies
- Summarize Research Papers
- Synthesize Sources

Result: Annotated Bibliography & Synthesis Notes

STRUCTURE & OUTLINE

- Draft a Logic-Based Outline

Action: AI assists in structuring content flow and arguments

Result: Detailed Research Paper Outline

ITERATIVE DRAFTING

- Generate Text Section by Section

Action: User commands AI (e.g., GPT-4) to write a complex paragraph or introduction

- User Reviews & Refines AI Content

Result: Complete First Draft (Human & AI mix)

CITATIONS & REFERENCES

- Ensure Proper Citing of all Sources (e.g., APA, MLA)
- Create a Comprehensive Reference List

Accurate and Standardized Bibliography

CITATIONS & REFERENCES

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POLISH & ETHICAL REVIEW

- Grammar and Clarity Check
- Plagiarism Scan (with AI tools)
- Ethical Double-Check

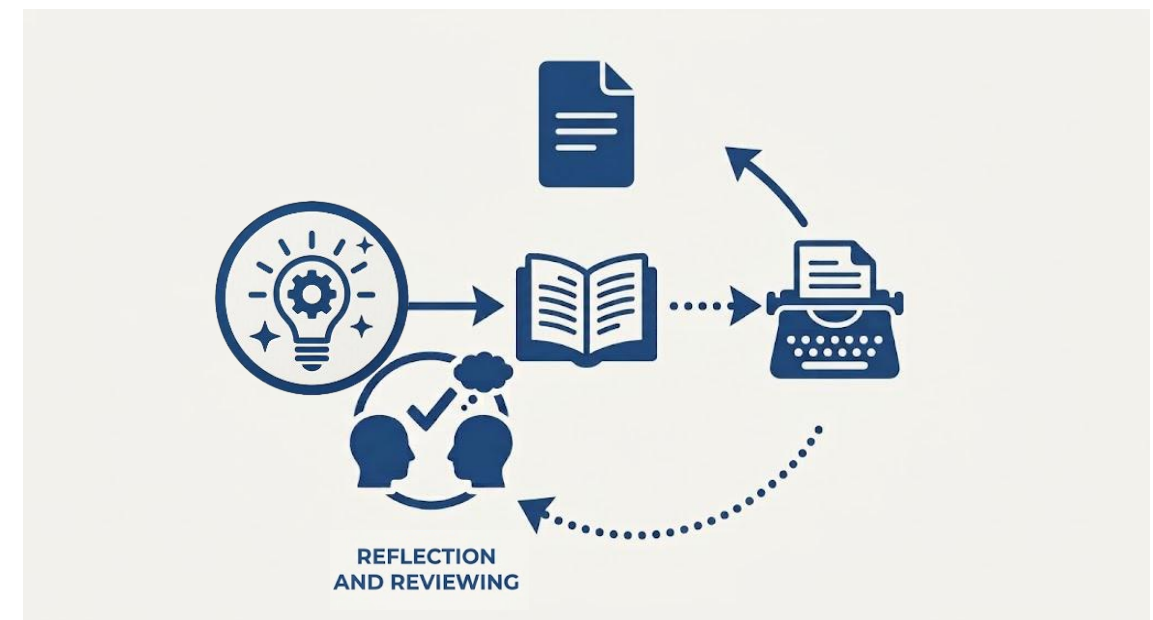
Final human edits for style and originality

Refining & Synthesis

Review & Revise

FINAL PAPER (HUMAN-DIRECTED, AI-SUPPORTED)

- Less is more.



Final thoughts...

- Computation has not changed. Machines are good at
 - Identifying and replicating patterns,
 - Running continuously, quickly, and repeating instructions,
 - Holding lots in memory.
- Behind every good machine is an even better human.

**MIND
THE STEP**