ANDYGROVE.SYSTEMS CONTINUING PROFESSIONAL UPSKILLING BRIEF // PP-14 (arXiv:2405.06087)
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Canonical Brief URL: https://andygrove.systems/preprint/pp-14
Primary Source URL: https://arxiv.org/abs/2405.06087

TITLE: When Combinations of Humans and AI Are Useful: A Systematic Review and Meta-Analysis
AUTHORS: Michelle Vaccaro, Abdullah Almaatouq, Thomas W. Malone (MIT) (May 2024 * MIT CCI (Nature Hum. Behav.))
PILLAR: HUMAN-AI COMPLEMENTARITY META-LAW
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1. EMPIRICAL & MATHEMATICAL FINDING FOR CONTINUING PROFESSIONAL UPSKILLING:
Meta-analysis of 106 experimental studies (370 effect sizes): naive human+AI pairing underperforms the best solo actor on pure prediction/decision tasks, but achieves true synergy in modular creation + structured verification workflows.
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2. ACTIONABLE COO & INDUSTRIAL ENGINEERING PRODUCTION RULE:
Do not ask humans to ’eyeball’ calibrated probability outputs; partition creative synthesis, exact solver checks, and exception judgment cleanly.
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3. SELF-STUDY & TEAM UPSKILLING INTEGRATION (GOOGLE CLASSROOM & COLAB):
* Interactive Calculators (L0-L3 Wilson TRM & L = lambda*W): https://andygrove.systems/calculators
* Runnable Python Queueing & Routing Colab Lab: https://andygrove.systems/colab.ipynb
* 1-Page Agent Line Audit Specimen: https://andygrove.systems/audit
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NODE 01 (Part-Time Remote IE/OR/BizOps Pods, $20-45/hr): https://andygrove.systems/#apply
NODE 02 (COO Office Audit Desk): mailto:output@andygrove.systems
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