ANDYGROVE.SYSTEMS CONTINUING PROFESSIONAL UPSKILLING BRIEF // PP-16 (SSRN 4573321)
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TITLE: Navigating the Jagged Technological Frontier: Field Experimental Evidence of the Effects of AI on Knowledge Worker Productivity and Quality
AUTHORS: Fabrizio Dell'Acqua, Edward McFowland III, Ethan R. Mollick, Karim R. Lakhani et al. (758 BCG Consultants) (Sep 2023 * HBS / Wharton / MIT)
PILLAR: JAGGED FRONTIER & CENTAUR SPLIT
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1. EMPIRICAL & MATHEMATICAL FINDING FOR CONTINUING PROFESSIONAL UPSKILLING:
Inside the capability frontier, AI lifted output +12.2%, speed +25.1%, and quality +40%; on deceptive tasks just outside the frontier, AI users dropped 19 percentage points below unassisted humans due to unverified reliance.
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2. ACTIONABLE COO & INDUSTRIAL ENGINEERING PRODUCTION RULE:
Re-map your workflow's Jagged Frontier at every model-release inflection point and enforce 'Centaur' hard task boundaries.
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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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