ANDYGROVE.SYSTEMS CONTINUING PROFESSIONAL UPSKILLING BRIEF // PP-13 (arXiv:2406.18665)
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Canonical Brief URL: https://andygrove.systems/preprint/pp-13
Primary Source URL: https://arxiv.org/abs/2406.18665

TITLE: RouteLLM: Learning to Route LLMs with Preference Data
AUTHORS: Isaac Ong, Amjad Almahairi, Wei-Lin Chiang, Joseph E. Gonzalez, Ion Stoica
  et al. (Jun 2024 * UC Berkeley LMSYS)
PILLAR: PREFERENCE-TRAINED ROUTERS
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1. EMPIRICAL & MATHEMATICAL FINDING FOR CONTINUING PROFESSIONAL UPSKILLING:
  Trains lightweight query routers on human preference data to dynamically select
  between strong and weak LLMs, cutting single-turn frontier call costs by 50-85%
  without degrading response quality.
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2. ACTIONABLE COO & INDUSTRIAL ENGINEERING PRODUCTION RULE:
  Deploy calibrated preference routers in front of single-turn LLM gateways and
  step-aware routers (PP-02) for multi-step agent loops.
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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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