Reflecting the Past, Shaping the Future: Making AI Work for International Development

Description

Tweet

USAID, September 2018. 98 pages. Available as PDF

Rick Davies comment: A very good overview, balanced, informative, with examples. Worth reading from beginning to end.

Contents

Introduction
Roadmap: How to use this document
Machine learning: Where we are and where we might be going
â?¢ ML and AI: What are they?
â?¢ How ML works: The basics
â?¢ Applications in development
â?¢ Case study: Data-driven agronomy and machine learning
at the International Center for Tropical Agriculture
â?¢ Case study: Harambee Youth Employment Accelerator
Machine learning: What can go wrong?
â?¢ Invisible minorities
â?¢ Predicting the wrong thing
â?¢ Bundling assistance and surveillance
â?¢ Malicious use
â?¢ Uneven failures and why they matter
How people influence the design and use of ML tools
â?¢ Reviewing data: How it can make all the difference
â?¢ Model-building: Why the details matter
â?¢ Integrating into practice: Itâ??s not just â??Plug and Playâ?•
Action suggestions: What development practitioners can do today
â?¢ Advocate for your problem
â?¢ Bring context to the fore
â?¢ Invest in relationships
â?¢ Critically assess ML tools
Looking forward: How to cultivate fair & inclusive ML for the future
Quick reference: Guiding questions
Appendix: Peering under the hood [gives more details on specific machine learning algorithms]

See also the associated USAID blog posting and maybe also How can machine learning and artificial intelligence be used in development interventions and impact evaluations?

Category

1. Books

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admin