

Fixing Tools Not Problems

How AI Can Be Different
From the Treadmill

Part 4 of 7: The Intelligent Helper
Emerges

AI Feels Different

Not Just Another Library or Framework

⚙️ This AI stuff especially GenAI feels **different.**

⚙️ Not just another tool adding complexity.

Why Different Factor 1 Pre trained

Lowering the Data Barrier

- ⚙ Many early powerful models came **'pre-trained'**.
- ⚙ Like super-smart students who read most of the internet.
- ⚙ Didn't always need our own massive **'big data'** pile to start.
- ⚙ Shifted challenge from gathering data to **using model effectively**.

Why Different Factor 2 Evolution Cost

From Gas Guzzlers to Efficiency

⚙️ Early models (ChatGPT) powerful but **very expensive** to build/run (gas guzzlers).

⚙️ Initial cost was a barrier.

⚙️ That's **changing too incredibly fast.**

AI Evolution Efficiency Focus

Better Cheaper Smarter All
The Time

⚙️ Seeing newer models research aiming
for **efficiency** (e.g.

DeepSeek AI efforts).

⚙️ Focusing on making powerful AI
less costly more accessible.

⚙️ Whole area evolving getting better
cheaper smarter **all the time.**

The Excitement Factor

Ongoing Improvement Makes It Practical

⚙️ It's this **ongoing improvement** that makes it so exciting.

⚙️ AI isn't just smart it's rapidly becoming more **practical**.

Why Different Factor 3 Understanding Intent

Beyond Just Following Commands

- ⚙️ AI can understand **what we mean**
not just what we type.
- ⚙️ Can handle complicated boring
messy stuff that drains time energy.

The Intelligent Helper Concept

Focusing on the Important Parts

- ⚙ This allows **us** to focus on the important parts.
- ⚙ Understanding the **real problem**.
- ⚙ Thinking **creatively** making **smart decisions**.

AI vs The Treadmill

Absorbing vs Adding Complexity

- ⚙️ AI has potential to **absorb existing complexity**.

- ⚙️ Unlike previous tools that primarily added new layers.

Potential Impact

Freeing Human Cognition

- ⚙️ Can free human cognition for higher-value tasks.
- ⚙️ Shift focus from tool wrestling to problem solving.

Food For Thought

Moving Beyond Theory

- ⚙ This potential isn't just theoretical.
- ⚙ AI is already showing results in the real world.

Next

AI Helping Us NOW

- ⚙️ Next up concrete examples of AI tools helping across the SDLC today.
- ⚙️ Starting with Requirements Design and Coding.

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All resources mentioned are available at **<https://agilp.org/pdf/>**

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