

Pt 2: Agile's AI Blind Spot? 🤔

Where Traditional Practices Need an AI Upgrade

Part 2 of 7: The Critical Fourth
Dimension - DATA

Recap: Learning from Leaders

Agile + Strategic AI = Success
(See Part 1)

⚙️ Microsoft & Bosch show the power of this synergy.

⚙️ But it requires more than just tech access; it needs **due diligence & structured implementation.**

⚙️ My SAFe/Agile experience confirms Agile's power, yet AI demands evolution.

Traditional Agile Triangle

Balancing UX, Business Value, Technology

⚙️ For years, Agile has masterfully balanced these three pillars:

⚙️ **UX:** Is it usable, desirable?

⚙️ **Business Value (Biz):** Does it meet market needs, deliver ROI?

⚙️ **Technology (Tech):** Is it feasible, maintainable, scalable?

AI/AIoT Adds a Fourth Dimension: DATA

This Dimension Demands
Equal Strategic Focus

⚙️ Data lifecycle is critical:

⚙️ **Collection:** How, where, what?

⚙️ **Security & Privacy:**

⚙️ **Quality & Bias:**

Garbage-in-garbage-out applies tenfold.

⚙️ **Ethics & Governance:** Responsible use, transparency, accountability.

Challenge 1: AI Dev as Research

Fixed Sprint Deliveries vs. Experimentation

- ⚙️ AI development, especially model training/tuning, often resembles **R&D**;
- ⚙️ Outcomes can be uncertain, challenging fixed sprint deliverables.
- ⚙️ Sprint goals might shift towards **validated learning** or **experimentation results**.

Challenge 2: UX for Non-UI Systems

How Do You Experience an Algorithm?

- ⚙️ Many AI systems lack a traditional user interface.
- ⚙️ UX focus must adapt to:
- ⚙️ **Explainability (XAI):** How does the AI make decisions?
- ⚙️ **Trust & Transparency:** Building user confidence in AI outputs.

Leveraging New Tools for AI UX

The AI Model Canvas and Beyond

- ⚙️ Tools like the **AI Model Canvas** help articulate:
- ⚙️ Value proposition, data inputs, prediction tasks, success metrics for AI components.
- ⚙️ Essential for designing trustworthy AI experiences.

Challenge 3: Broader Data Science Literacy

Teams Need a Foundational Understanding

- ⚙️ Entire teams (not just data scientists) need basic data literacy.
- ⚙️ Understanding AI capabilities, limitations, potential biases.
- ⚙️ Knowing what questions to ask about data and AI outputs.

The Role of Strategic Coaching

Bridging the Gaps for AI-Powered Agility

- ⚙️ Agile Coaches need to evolve their toolkit.

- ⚙️ Help teams integrate data considerations into all ceremonies.

- ⚙️ Guide organizations in adapting Agile for AI's unique nature.

Expanding the Agile Focus

From a Triangle to a Square (or More!)

⚙ UX, Business, Tech, **AND Data** must be co-equal considerations.

⚙ This expanded view is vital for responsible and effective AI implementation.

AI Due Diligence Starts Here

Recognizing How AI Changes Our Approach

⚙ Before selecting models or tools, we must adapt our framework.

⚙ This sets the stage for smarter AI adoption.

The First Critical Question...

Before Any AI Project Kicks Off

⚙️ With these new considerations in mind...

⚙️ **Next Up (Part 3):** The most fundamental due diligence question: Do you **REALLY** need AI?

⚙️ Stay tuned!

≡ Series: Beyond Hype (Part 2 of 7) ≡

The Agile Blind Spot & AI's Fourth Dimension: DATA

Part 1: The Twin Revolutions

Access Part 1 PDF

Part 2: The Agile Blind Spot for AI

Access Part 2 PDF

Part 3: Do You Really Need AI? Due Diligence

Access Part 3 PDF

Part 4: Cost & Strategy - Lessons from Leaders

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Part 5: Structured AI Adoption - Phase 1 & 2

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Part 6: Structured AI Adoption - Phase 3 & 4

Access Part 6 PDF

Part 7: Expected Outcomes & Conclusion

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Navigate Agile & AI Together ⇒

How are these revolutions impacting YOU?

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Examples from Microsoft, Bosch, OpenAI, DeepSeek.

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