Échec des projets d'intelligence artificielle

MGL 7320: Ingénierie logicielle des systèmes d'intelligence artificielle

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IT Projects Failure: 50 %*

- AI Projects Failure: 85 %**

+35%

* https://www.ganttic.com/blog/why-do-projects-fail-miserably#:~:text=In%20the%20world%20of%20IT,these%20projects%20don%27t%20fail.
** https://www.cognilytica.com/top-10-reasons-why-ai-projects-fail/#:~:text=The%20rate%20of%20AI%20project,intended%20results%20to%20the%20business.

1. Applying application development approaches to data-centric AI
2. ROI Misalignment of AI solution to problem
3. Lack of sufficient quantity of data
4. Lack of sufficient quality of data
5. Applying proof of concept thinking to real-world pilots
6. Misalignment of real world data and interaction against training data and models
7. Underestimating time and cost of the data component of AI projects
8. Lack of planning for continued AI, model, data iteration and lifecycle
9. Vendor misalignment on promise vs. reality
10. Overpromising AI capabilities and underdelivering on projects

1. Applying application development approaches to data-centric AI

	CONCEPTION	TRACABILITÉ	RÉSULTATS (TEST)	MAINTENANCE	ENVIRONNEMENT

PROGRAMMATION TRADITIONELLE	**Modèles** de données	If (x > 10) then {
		• x = 10
		}
			✓Test 1
			✓Test 2
				Correction des bogues	« Non Prod »

IA/AM & BIG DATA	Données **réelles** (non structurées, volumineuses)	[2.3, 4.5, -2.3, …] Tbytes de données Code transformé / distribué	92.3% OK	Ajustements continus	« Production »

Magnin, Confoo 2018

Machine Learning Engineering IN ACTION

Ben Wilson

MANNING

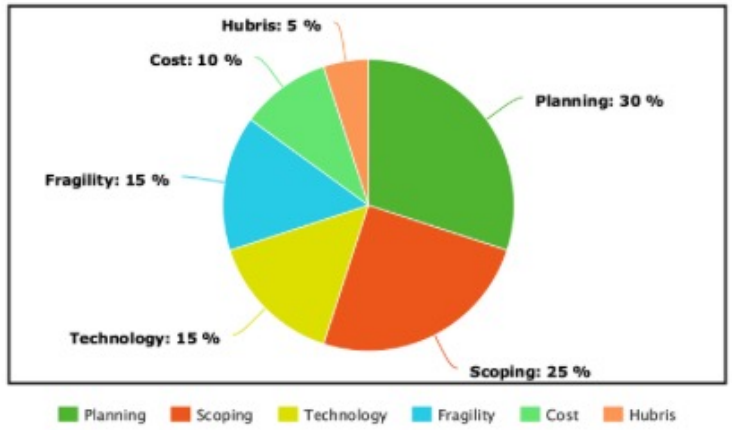

Figure 1.2 My estimation of why ML projects fail, from the hundreds I've worked on and advised others on.