

# AI Maturity Assessment Framework

Benchmark your organisation's AI readiness across 5 dimensions

## ABOUT THIS FRAMEWORK

This 40-question assessment helps executive and senior data & AI leaders measure organisational AI maturity, identify gaps, and prioritise investments. Score each question 1-5, tally dimension totals, and plot your spider chart.

## SCORING SCALE

- **1 - Initial:** Ad-hoc, no repeatable process, hero-dependent.
- **2 - Developing:** Some processes exist but inconsistently applied.
- **3 - Defined:** Documented, standardised processes in place.
- **4 - Managed:** Measured, data-driven management of processes.
- **5 - Optimising:** Continuous improvement; industry-leading practices.

## FIVE DIMENSIONS

- **Strategy & Leadership:** Executive sponsorship, AI vision, roadmap alignment, board-level accountability.
- **Data Foundation:** Data quality, governance, accessibility, lineage, and platform maturity.
- **Talent & Culture:** AI/ML skills coverage, hiring capability, learning culture, cross-functional collaboration.
- **Technology & Tooling:** MLOps maturity, platform scalability, model lifecycle management, cloud readiness.
- **Governance & Ethics:** Responsible AI policy, risk frameworks, regulatory compliance, model explainability.

# AI Maturity Assessment Framework

Questions -- Dimensions 1 to 3

## DIMENSION 1: STRATEGY & LEADERSHIP

- |   |       |
|---|-------|
| <b>Q01.</b> Executive leadership has articulated a clear, communicated AI strategy. | Score |
| <b>Q02.</b> AI initiatives are directly linked to measurable business outcomes.     | Score |
| <b>Q03.</b> A dedicated AI/data budget exists and is ring-fenced from IT spend.     | Score |
| <b>Q04.</b> There is a C-suite owner (CDO, CAIO, or equivalent) for AI outcomes.    | Score |
| <b>Q05.</b> The board receives regular AI progress and risk updates.                | Score |
| <b>Q06.</b> AI is included in the 3-year corporate strategic plan.                  | Score |
| <b>Q07.</b> Cross-functional steering committee governs AI programme priorities.    | Score |
| <b>Q08.</b> AI ROI is tracked and reported quarterly.                               | Score |

## DIMENSION 2: DATA FOUNDATION

- |   |       |
|---|-------|
| <b>Q01.</b> A unified data platform (lakehouse or warehouse) serves all AI use cases. | Score |
| <b>Q02.</b> Data quality SLAs are defined, measured, and enforced.                    | Score |
| <b>Q03.</b> A formal data governance framework and data catalogue are in operation.   | Score |
| <b>Q04.</b> Real-time and batch data pipelines are production-grade and monitored.    | Score |
| <b>Q05.</b> Master data management covers all critical business entities.             | Score |
| <b>Q06.</b> Data lineage is tracked end-to-end for regulated datasets.                | Score |
| <b>Q07.</b> External and third-party data is integrated and versioned.                | Score |
| <b>Q08.</b> Feature stores or reusable data products are available to model teams.    | Score |

## DIMENSION 3: TALENT & CULTURE

- |  |       |
|--|-------|
| <b>Q01.</b> Dedicated ML engineers, data scientists, and analytics engineers are hired.      | Score |
| <b>Q02.</b> A structured AI/ML training programme exists for non-technical staff.            | Score |
| <b>Q03.</b> Data literacy is measured and reported as a company KPI.                         | Score |
| <b>Q04.</b> Psychological safety exists to experiment and fail fast with AI.                 | Score |
| <b>Q05.</b> Cross-functional squads (product, data, engineering) build AI features together. | Score |
| <b>Q06.</b> An internal AI community of practice meets regularly.                            | Score |
| <b>Q07.</b> AI career paths and levelling rubrics are published.                             | Score |
| <b>Q08.</b> Retention strategies target scarce AI/ML talent.                                 | Score |

# AI Maturity Assessment Framework

Questions -- Dimensions 4 & 5 | Scoring Summary

## DIMENSION 4: TECHNOLOGY & TOOLING

- Q01. A production MLOps platform handles training, deployment, and monitoring. Score
- Q02. Model versioning, lineage, and experiment tracking are automated. Score
- Q03. CI/CD pipelines exist for model code and infrastructure. Score
- Q04. Model performance is monitored in production with automated alerting. Score
- Q05. Feature engineering is reproducible and shared across teams. Score
- Q06. Cloud infrastructure scales elastically to GPU/compute demand. Score
- Q07. A model registry governs promotion from staging to production. Score
- Q08. LLM/GenAI tooling is evaluated and integrated where appropriate. Score

## DIMENSION 5: GOVERNANCE & ETHICS

- Q01. A Responsible AI policy is published and enforced. Score
- Q02. Model risk assessments are conducted before production deployment. Score
- Q03. Bias testing and fairness audits are part of the model release process. Score
- Q04. Explainability requirements are defined per model risk tier. Score
- Q05. A regulatory compliance matrix maps AI systems to applicable law. Score
- Q06. An AI incident response playbook exists and has been tested. Score
- Q07. Data privacy impact assessments are completed for all AI products. Score
- Q08. Third-party AI vendor risk is assessed and contractually managed. Score

## SCORING SUMMARY

Dimension	Raw Score (/40)	Maturity Level
Strategy & Leadership	<input type="text"/>	<input type="text"/>
Data Foundation	<input type="text"/>	<input type="text"/>
Talent & Culture	<input type="text"/>	<input type="text"/>
Technology & Tooling	<input type="text"/>	<input type="text"/>
Governance & Ethics	<input type="text"/>	<input type="text"/>
<b>TOTAL SCORE (max 200)</b>	<input type="text"/>	

## SCORE INTERPRETATION

- 160-200 AI Leader:** Benchmark externally; mentor peers; publish case studies.
- 120-159 Scaling:** Industrialise ML pipelines; accelerate governance maturity.
- 80-119 Developing:** Prioritise data platform and talent investment.
- 40-79 Emerging:** Focus on quick-win use cases with exec sponsorship.
- < 40 Initial:** Establish data foundations and appoint an AI owner.