

FREE RESOURCE

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ML Readiness Audit: A 5- Dimension Framework for SaaS AI Features

A 5-dimension framework to audit your SaaS product's readiness for AI features. Score yourself across Data Quality, Governance, Architecture, Infrastructure, and Culture — then get a remediation roadmap.

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About This Guide

The ML Readiness Audit walks you through five dimensions of machine learning preparedness. Score your organization across each dimension (Level 1-5), interpret your results, and build a remediation roadmap.

The 5 Framework Steps

1. Data Quality Audit — Assess your data completeness, consistency, accuracy, and labeling pipelines. Identify gaps in training data infrastructure.
2. Governance & Compliance — Evaluate model governance, bias detection, privacy controls, and regulatory compliance frameworks.
3. ML Architecture — Review your feature store, model registry, experiment tracking, and MLOps pipeline maturity.
4. Infrastructure & Scale — Assess compute resources, model serving infrastructure, monitoring, and cost management capabilities.
5. Culture & Team — Evaluate ML talent, cross-functional collaboration, executive sponsorship, and experimentation culture.

Framework-Backed Decisions

Framework-backed decisions outperform intuition-based decisions across every stage of product and growth strategy. Structured frameworks provide three key advantages:

Consistency — Apply the same criteria to every decision. No emotional bias, no recency effect.

Clarity — When the criteria are visible and the scoring is transparent, teams align faster and debates become productive.

Accountability — Decisions are documented with rationale. Retrospectives can trace why a decision was made and whether the assumptions held.

Key insight: The best framework is the one your team will actually use consistently. Start with the simplest framework that addresses your decision problem, add complexity only when the simple model gives ambiguous answers.

How to Use This Guide

To get the most value from this guide:

Step 1: Read through all 5 framework steps to understand the complete methodology.

Step 2: Score your organization or product against each dimension. Be honest — the framework is only useful with accurate inputs.

Step 3: Identify your lowest-scoring areas. These are your highest-impact improvement opportunities.

Step 4: Build a remediation roadmap prioritizing the gaps that block your most important outcomes.

Step 5: Re-assess quarterly. Track your score changes over time to measure progress.

Pro tip: Share this guide with your team and score independently before comparing results. The scoring differences reveal alignment gaps that are valuable to discuss.

Ready to Take the Next Step?

ProductQuant helps B2B SaaS companies build data-driven growth strategies. From DNA analysis to full pipeline operations — we build the infrastructure that compounds.

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