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4 Ways to Increase the Speed-to-Quality of Your Models

Accelerate AI development with a strategic focus on precision, quality, and team empowerment for better ROI.

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Combining precision training with an end-to-end quality practice can help teams ship high-performing AI faster. It's an approach that requires strategic vision, greater investment in evaluations, and a higher degree of collaboration. The outcome? ***Empowering your tech teams, delivering a better ROI, and building a competitive advantage.***

1. Set Strategic Quality Standards

Organizations need a **clear vision** of what quality means to them and how to measure it throughout model development. The leaders who set quality standards based on their unique product vision rather than industry standards will be the ones that see better model outcomes. More advanced models with more unique use cases will have a greater number of distinct quality standards.

Setting quality standards should involve:

- Describing the model's purpose, personality, and any 'global' quality standards relevant to all scenarios.
- Outlining primary use cases and distinct quality standards for each.
- Detailing the capabilities, knowledge, and behaviors the model will need.

2. Continuously Adapt Training Plans

Models learn best when they have all the data they need. **Two practices** ensure data is relevant, sequenced, and responsive to emergent learnings.

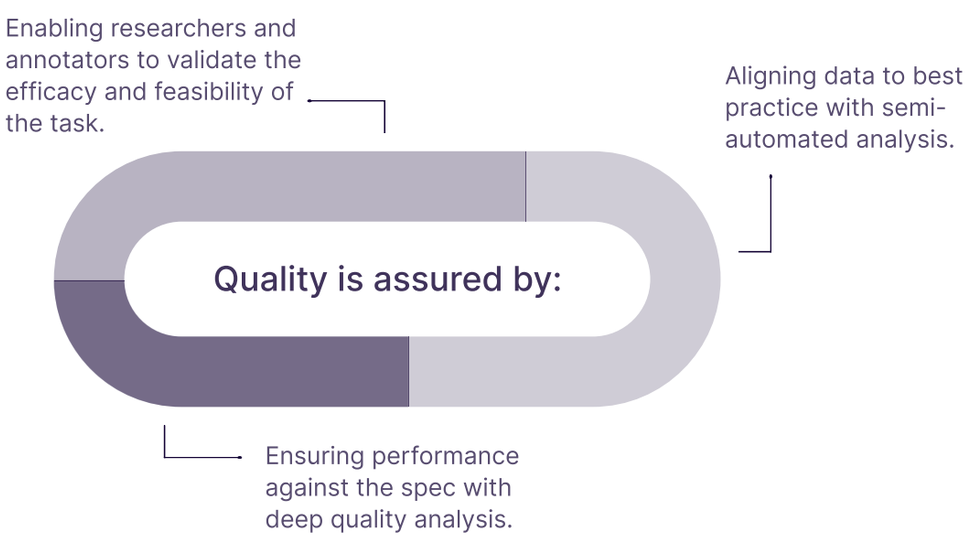
1. **Iterating in small batches** based on validating needs in order to increase ROI, enable intelligent adaption, streamline QA, and improve audit-ability.
2. The second practice is **continuously** updating training sequences.

Data batches should be sequenced by:

- Training only on validated needs to ensure the model doesn't get data it doesn't need.
- Prioritizing prerequisites, and training on simple and logically preceding skills before advanced skills.
- Prioritizing based on impact and frequency, and saving long-tail and edge cases until later.

3. Execute with Agility and Rigor

To deliver the exact data a model needs with minimal notice, data operations — from cleaning to generation — must reflect both agility and rigor. Standardizing customized processes quickly makes it possible to produce excellent data with little notice. We recommend **creating a library of templated processes** that can be easily modified, stacked, or combined in order to improve agility and rigor.



4. Bet on Evaluation and Excellence

Models are dynamic — developing them requires investing in evaluation and a culture of excellence. Working on optimizing processes and developing people is vital for working towards increasing the speed-to-quality of your models. Then there's evaluation, which delivers strategic advantages by reducing uncertainties in training.

In addition to testing a model's safety and performance prior to launch, evaluation can:

- Identify what the model should learn next.
- Track a model's change over time.
- Inform high-level product vision.

What are the 3 Dimensions of Good Data?

1. High Relevance
2. High Quality
3. Sufficient Volume

70% Of the most commercially successful LLM developers partner with Invisible to achieve quality performance efficiently.

Want to learn more about the power of training data with precision?

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