

Testing Data

What is Testing Data?




Testing Data is used to **evaluate AI's accuracy before deployment.**

 **AI must be tested before making real-world decisions.**

 **Without testing, AI can fail in unpredictable ways.**

Why Testing Data is Critical




AI that isn't tested can cause:

-  **Business Mistakes** – AI may make inaccurate or biased predictions.
-  **Legal & Compliance Issues** – Governments are regulating AI fairness.
-  **Financial Risks** – Bad AI decisions can cost companies millions.

 **Proper Testing Data ensures AI is reliable and safe.**


How AI Testing Works


 **The 3-Step AI Testing Process:**


-  **Train AI** on known data.
-  **Test AI** on **new, unseen data.**
-  **Compare AI's predictions** to real-world results.

 **AI should predict new patterns, not just memorize past ones.**

Real-World Example: AI in Fraud Detection

 **Scenario:** A bank builds an AI fraud detection system.

 **Without Testing Data:** AI only detects **old fraud cases** and misses new fraud patterns.

 **With Testing Data:** AI is tested on **new fraud cases** before deployment.

 **Testing Data ensures AI is accurate in real-world situations.**

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