BENCHMARKS IN THE ALLIFECYCLE



DEFINE GOAL

The reason for building the AI model is stated (usually expressed as desired outcomes or business priorities)



Stages of the AI lifecycle where benchmarks are used



Stages where other evaluations, like AI red-teaming, are used

What makes benchmarks special is that they are used earlier in the Al development process—notably, when defining the goals for an Al project.

Other evaluation tools, like impact assessment and red-teaming, are used after AI models have been built and deployed.



GATHER DATA

Data is collected or produced to train the Al model



MODEL SELECTION

A <u>specific model type</u> is chosen and trained on the collected data



Models may be retrained if issues are found in the monitoring phase



MODEL BUILDING

The trained model is tested against the goal and checked for common issues, like bias



DEPLOYMENT

The AI model is incorporated into applications and other systems where people can use it



MONITORING

Ongoing monitoring "in the wild" using different testing strategies, like red-teaming

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