

Dimension

ML failure mode

Generative AI failure mode

Agentic AI failure mode

Accuracy

Biased predictions

Hallucinated responses

Incorrect autonomous actions

Completeness

Imputation-introduced bias

Coverage gaps filled with fabrication

Skipped steps or partial-context decisions

Consistency

Conflicting features across sources

Unreliable or contradictory outputs

Agents operating on different versions of truth

Timeliness

Models trained on outdated patterns

Responses correct six months ago, misleading today

Actions based on conditions that already changed

Fitness for purpose

Data valid for one use case, inappropriate for another

Source material lacking required provenance

Insufficient granularity for autonomous decision-making