

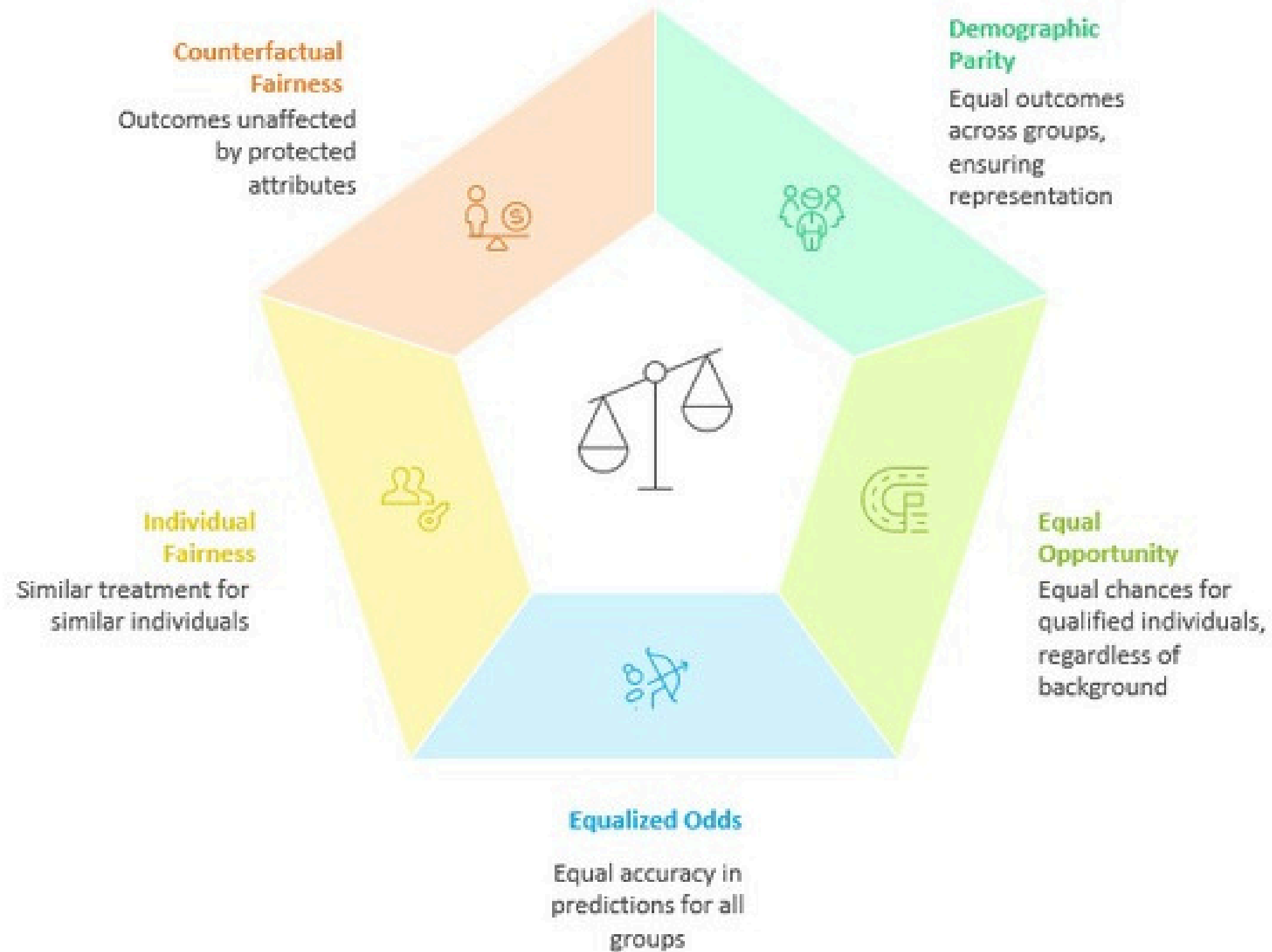
Responsible AI Starts with Ethics: A Step-by-Step Primer

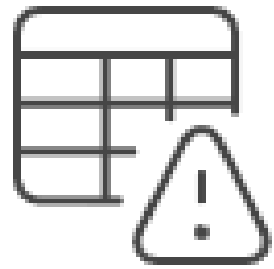
**Fairness is one of the core
Ethical principles of AI**

What is Fairness means?

Fairness means treating individuals and groups equitably when algorithms make decisions that affect their lives—like getting a loan, a job interview, or healthcare.

Types of Fairness in AI





How to identify and address bias in training data?



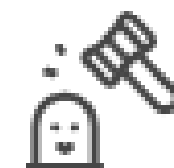
Historical Bias

Reflects past unfairness in data, like gender bias in hiring records.



Sampling Bias

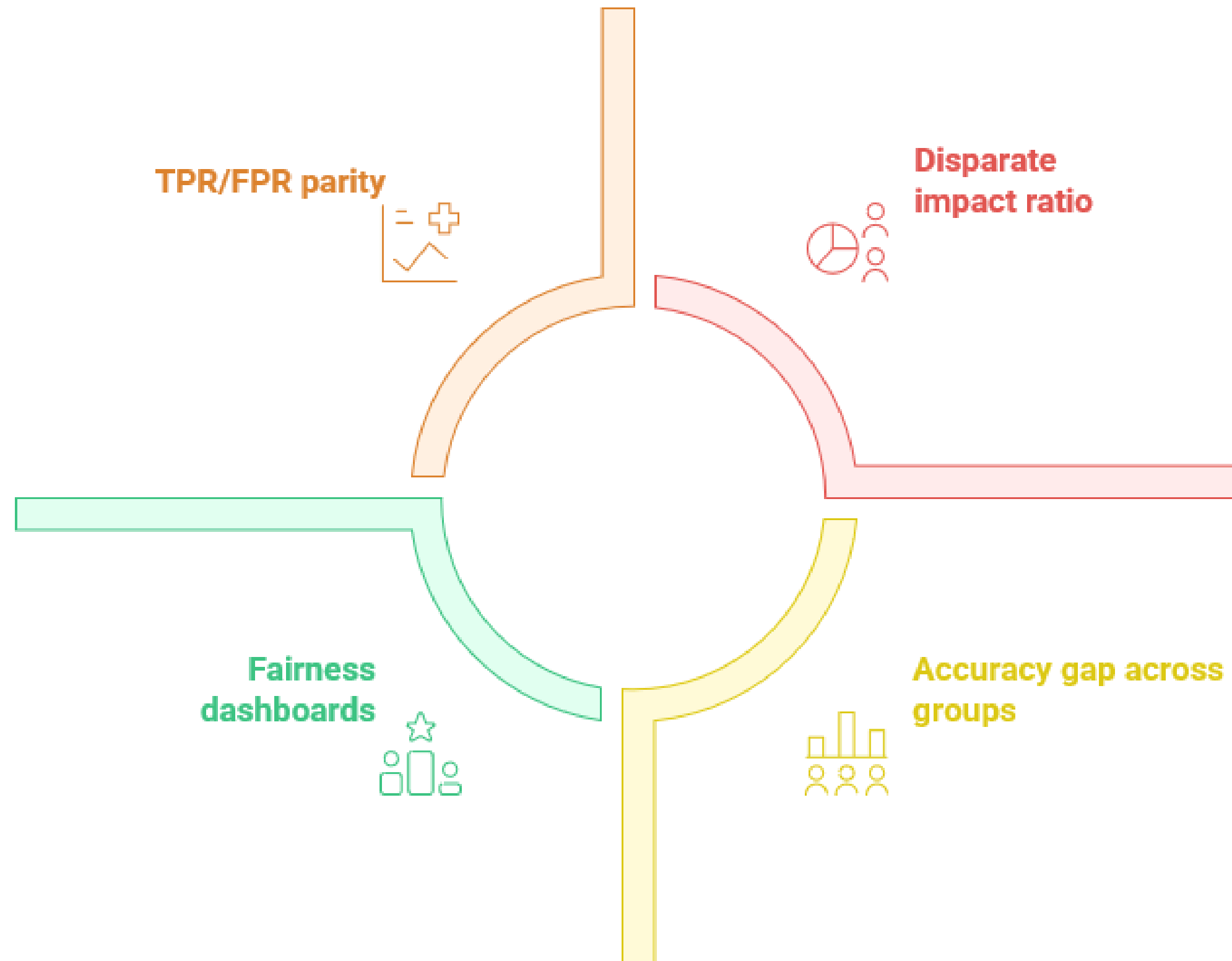
Underrepresents certain groups, such as rural patients in medical data.



Label Bias

Labels reflect judgment, not truth, like police records indicating arrests, not crime.

Measure and Monitor Fairness

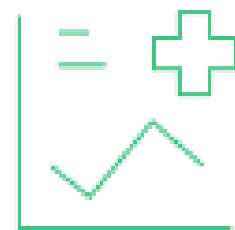


How to ensure fairness?



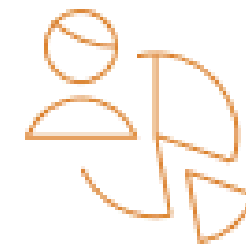
Consult Experts

Gain insights from domain experts, ethicists, and users to understand diverse perspectives.



Consider Context

Recognize that fairness varies across sectors like healthcare and education.



Evaluate Trade-offs

Distinguish between legal, moral, and business considerations.



Address Social Determinants

Ensure interventions are just by considering social factors.

AI Documentation Standards

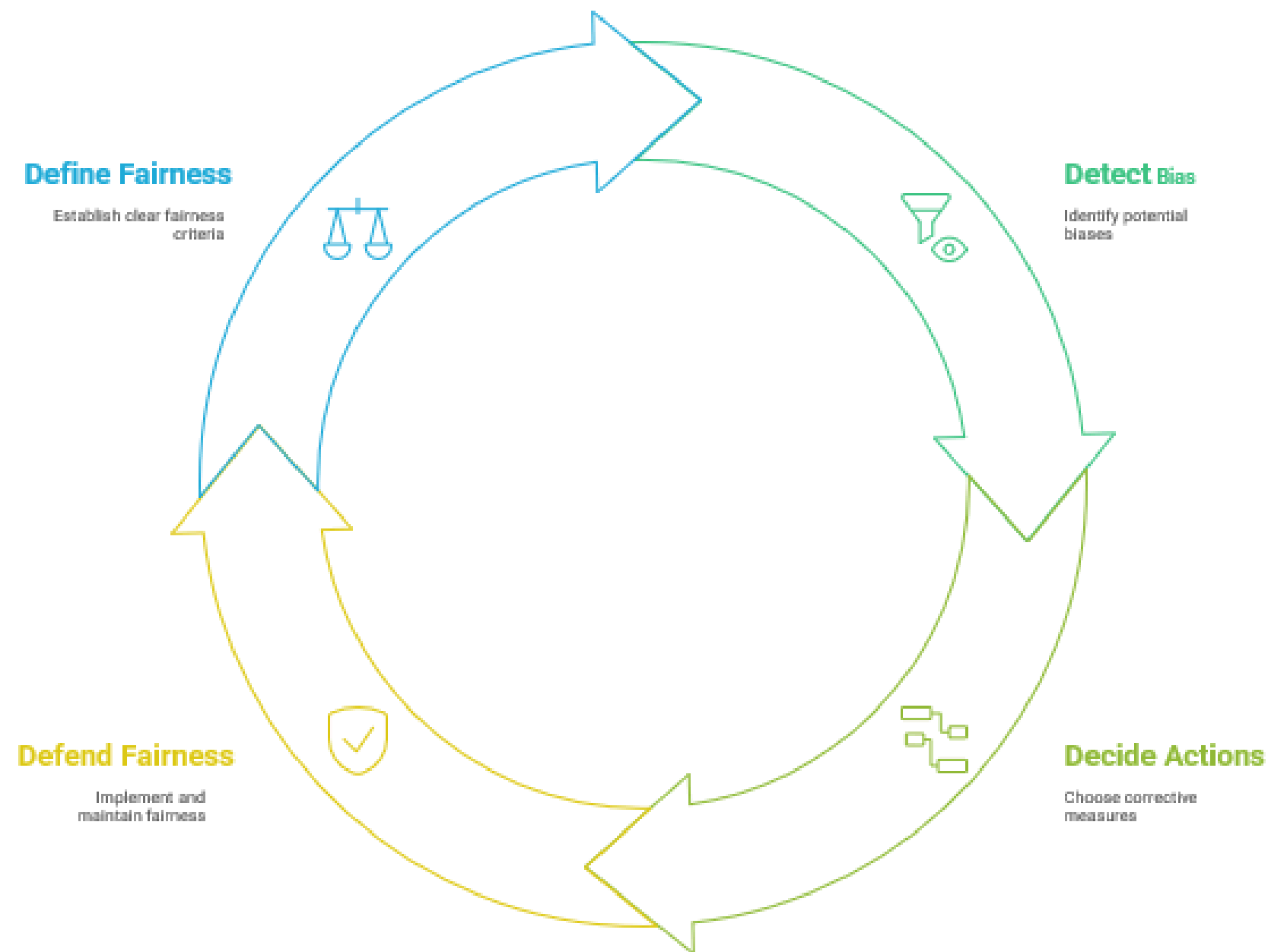
| Format | Focus | Used By | Related To |
|-----------------------|-------------------------|-------------------------------|-----------------------|
| Datasheets | Datasets | Microsoft, Meta, academia | Standard benchmark |
| Data Cards | Datasets (user-focused) | Google | Usability-enhanced |
| FactSheets | Services & datasets | IBM | Enterprise trust |
| Model Cards | Models | Hugging Face, Google | Transparency |
| System Cards | Full AI systems | OpenAI, DeepMind, Anthropic | Safety & policy |
| Data Statements (NLP) | Linguistic datasets | Academia, Google | NLP-specific |
| Nutrition Labels | Datasets | MIT, IBM | Consumer transparency |
| AI Impact Assessments | Policy + Governance | Governments, NGOs, regulators | Legal accountability |

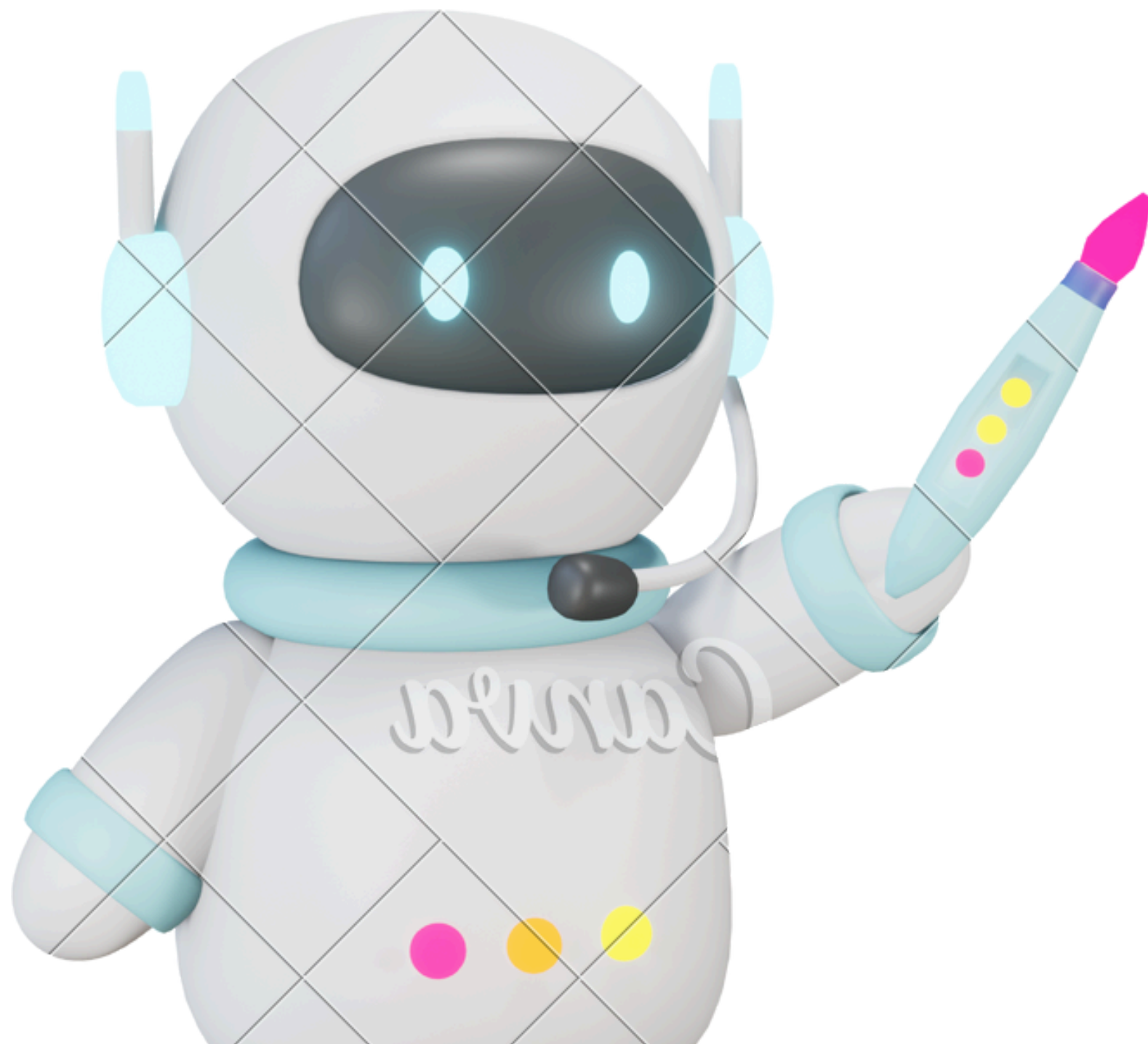
Always document

- What fairness definition used and why
- What metrics you tracked
- What trade-offs you made



Building Responsible Systems is a Continuous Commitment





Thank You

Build powerful AI.
Build with ethics.
Build together.