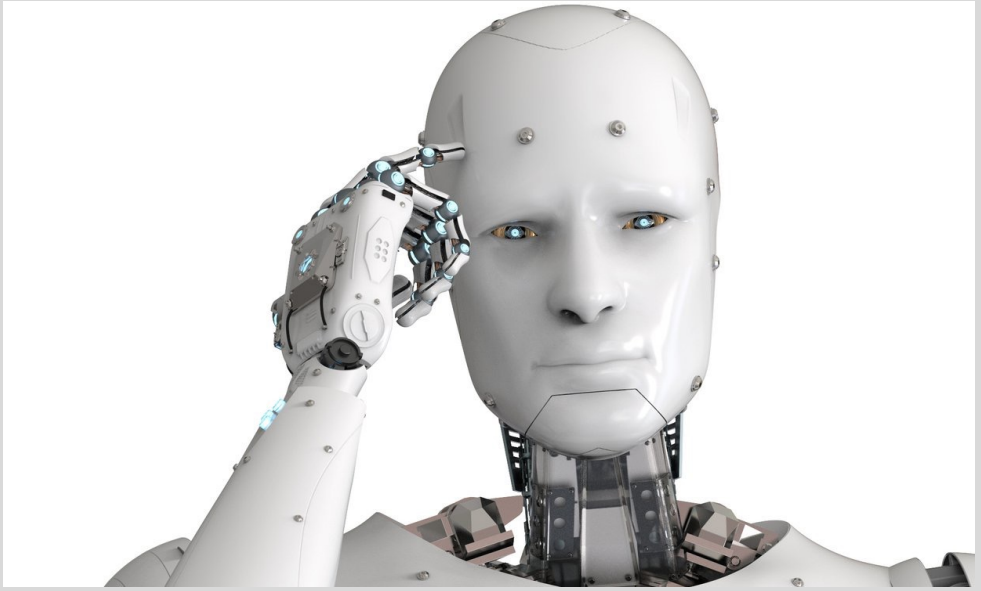
Ethics in an AI World

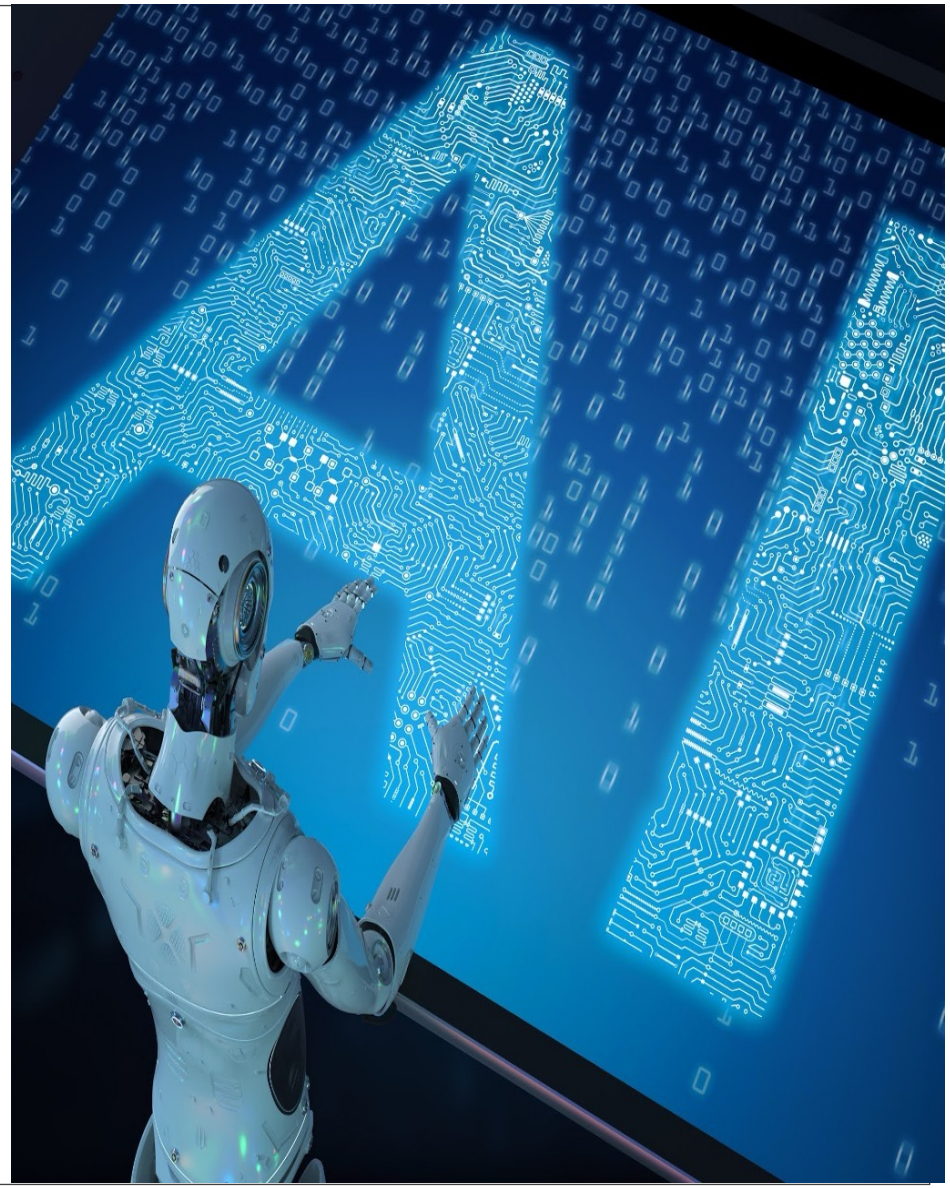
Andy Benzo



ARTIFICIAL INTELLIGENCE IN TRANSLATION SUMMIT

What is an AI World?

It is a world in which AI can assist, augment, and, in some cases, replace human capabilities.



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The use of big data

and Artificial intelligence

raises

several ethical questions.

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"Ethical" and "Legal"
are two distinct concepts
that guide human behavior
and decision-making
in different ways.

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Ethical

Legal

Ethical principles are a set of moral values that dictate what is considered right or wrong.

Legal principles are defined by the legal system of a country or jurisdiction.

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Ethical

Legal

Ethical principles

are grounded in

personal or societal

beliefs about what is

morally acceptable.

Legal principles

are found in codified

law, regulations, statutes

or judicial opinions.

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Ethical

Legal

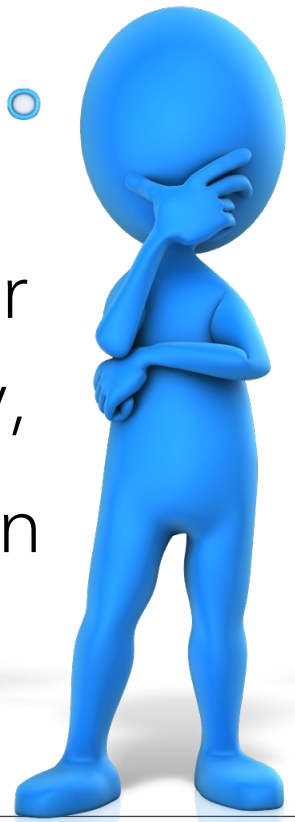
We conform

to ethical principles.

It is a matter of personal or professional responsibility,

and violations may result in reputational or

social consequences.



We comply

with legal principles.

which are enforced by government authorities.

Violations can lead to penalties, fines, imprisonment, or other legal consequences.

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After analyzing 8 codes of ethics, I found common fundamental principles:

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Code of Ethics

- American Translators Association (ATA).
- Asociación Argentina de Traductores e Intérpretes (AATI).
- Asociación Española de Traductores, Correctores, e Intérpretes (ASETRAD).
- Colegio de Traductores Públicos de la Ciudad de Buenos Aires (CTPCBA).
- Colegio de Traductores Públicos del Uruguay (CTPU).
- Institute of Translation & Interpreting (ITI).
- International Federation of Translators (IFT).
- Israel Translators Association (ITA).

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Confidentiality:

Translators must uphold strict confidentiality regarding all information and documents they encounter during their work.

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Integrity

Translators must represent and work within their qualifications, competencies, and capabilities.

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Accuracy and Fidelity

Translations must be accurate and faithful to the source text's content, context, and nuances.

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Professional Competence

Translators must maintain a high level of professional competence in their language pairs and subject matter expertise.

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How are these principles affected when using AI in translation:

Confidentiality:

Translators using AI run the risk that user data could be accessed or intercepted.

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Make sure that the data fed into the AI is anonymized or de-identified to prevent the exposure of personal or confidential details.

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Misinformation
(Integrity)

Fact-checking

source verification

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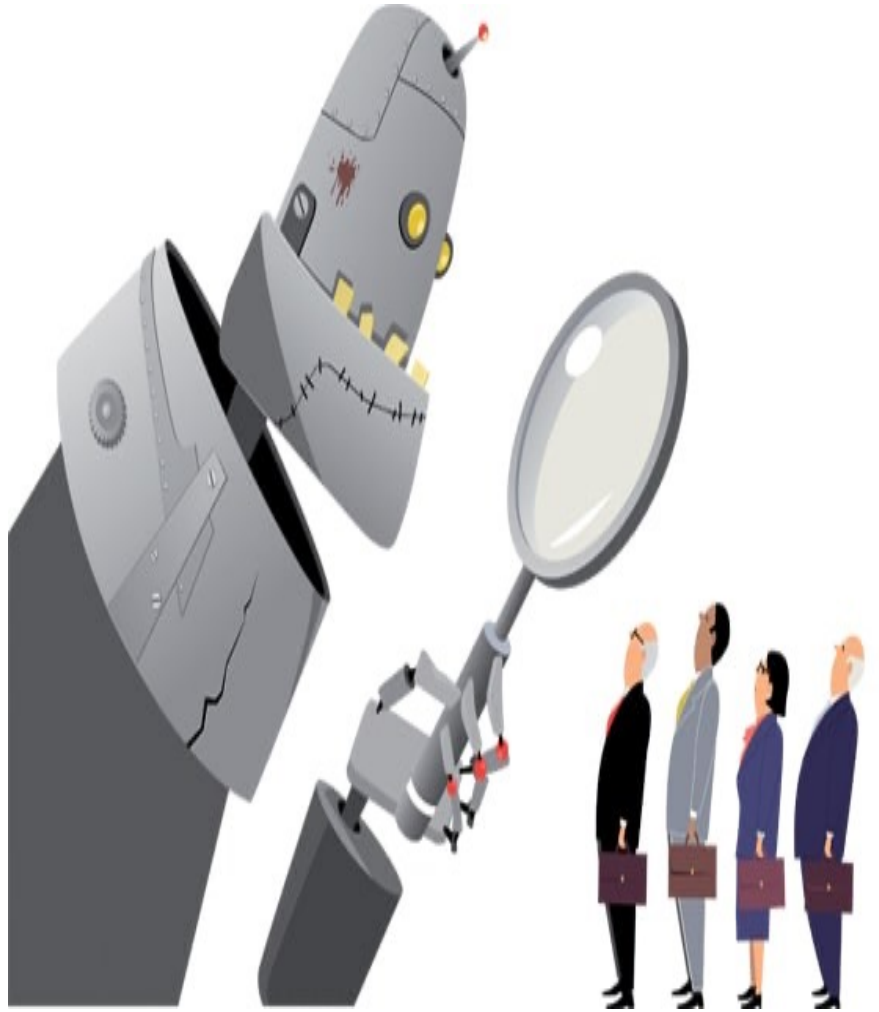
Bias

(Accuracy and Fidelity)

AI is not neutral since it is human-generated content, so beware of linguistic expressions that may carry potential bias.



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Cultural sensitivity
(Accuracy and Fidelity)

AI does not understand cultural and social sensitivities, which can lead to insensitive or offensive translations.

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Consistency:

(professional competence)

AI output is sometimes inconsistent. Make sure that the terminology, style and tone is uniform.

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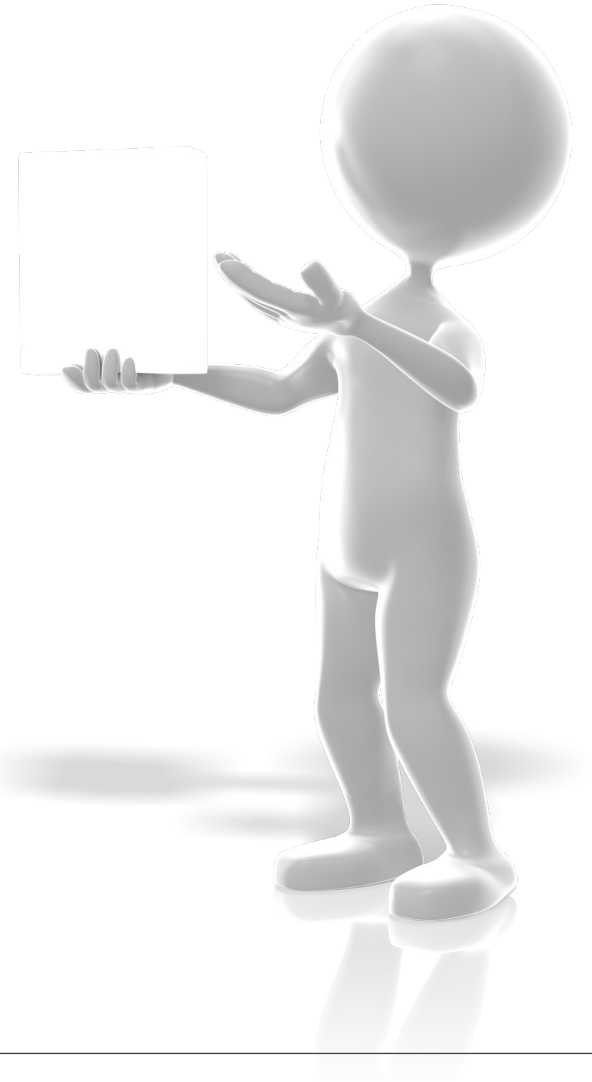
Should I use AI?



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Artificial intelligence help us work better and faster.

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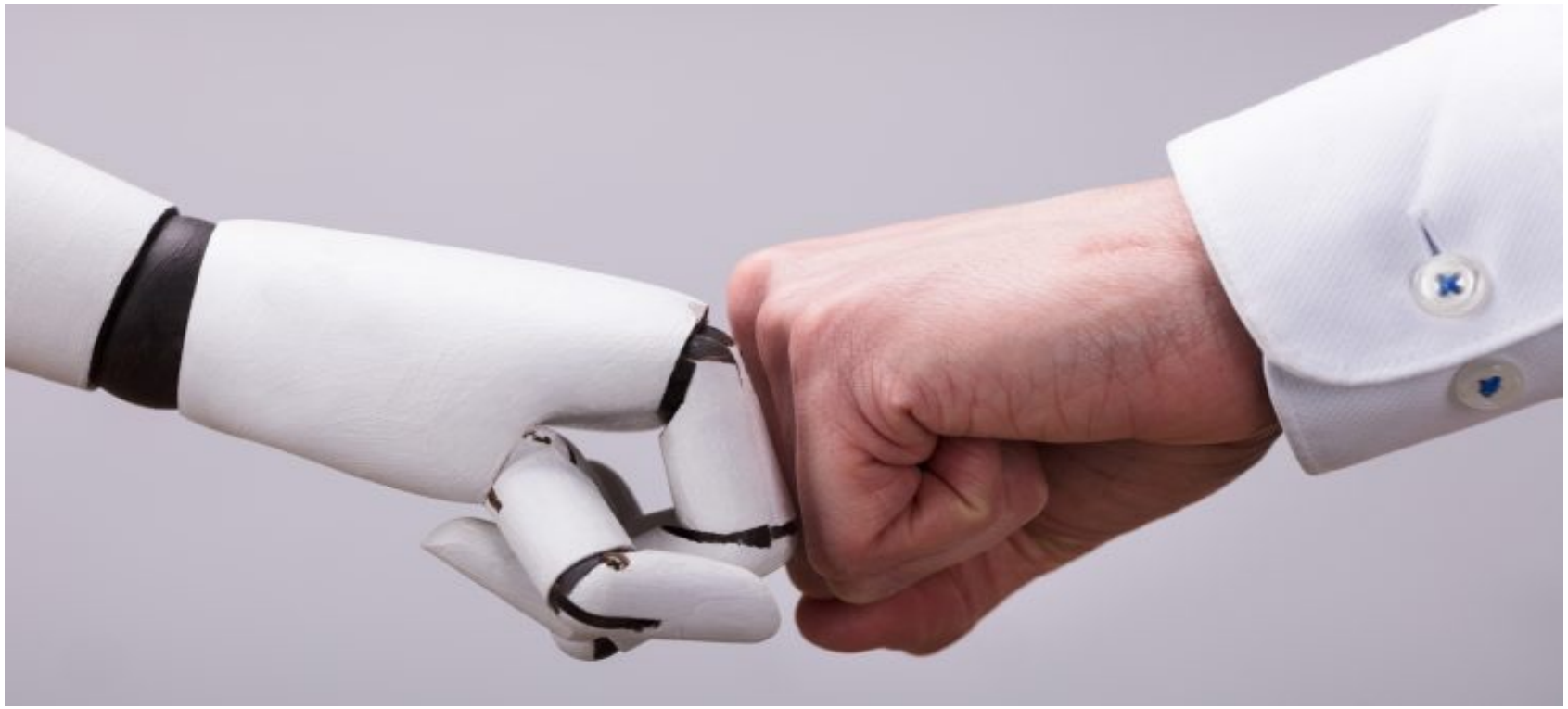
AI = Added Improvement©



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Always Human centered AI

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In 2019 the European Commission published the Ethic Guidelines for Trustworthy AI

(*https://digital-strategy.ec.europa.eu/en/library/assessment-list-trustworthy-artificial-intelligence-altai-self-assessment*)

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7 requirements for a Trustworthy Artificial Intelligence

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1. Human Oversight

In this requirement, the guidelines talk about governance of AI

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The AI is

- Self learning or autonomous
- Overseen by HIL
- Overseen by HOL
- Overseen by HIC

Have the humans (human-in-the-loop, human-on-the-loop, human-in-command) been given specific training on how to exercise oversight?

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2. Technical robustness

Is it compliant with safety security standards?

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3. Privacy and Data Protection:

Is the system aligning

with current standards

for data protection

(e.g., ISO 6794475

Artificial Intelligence)?

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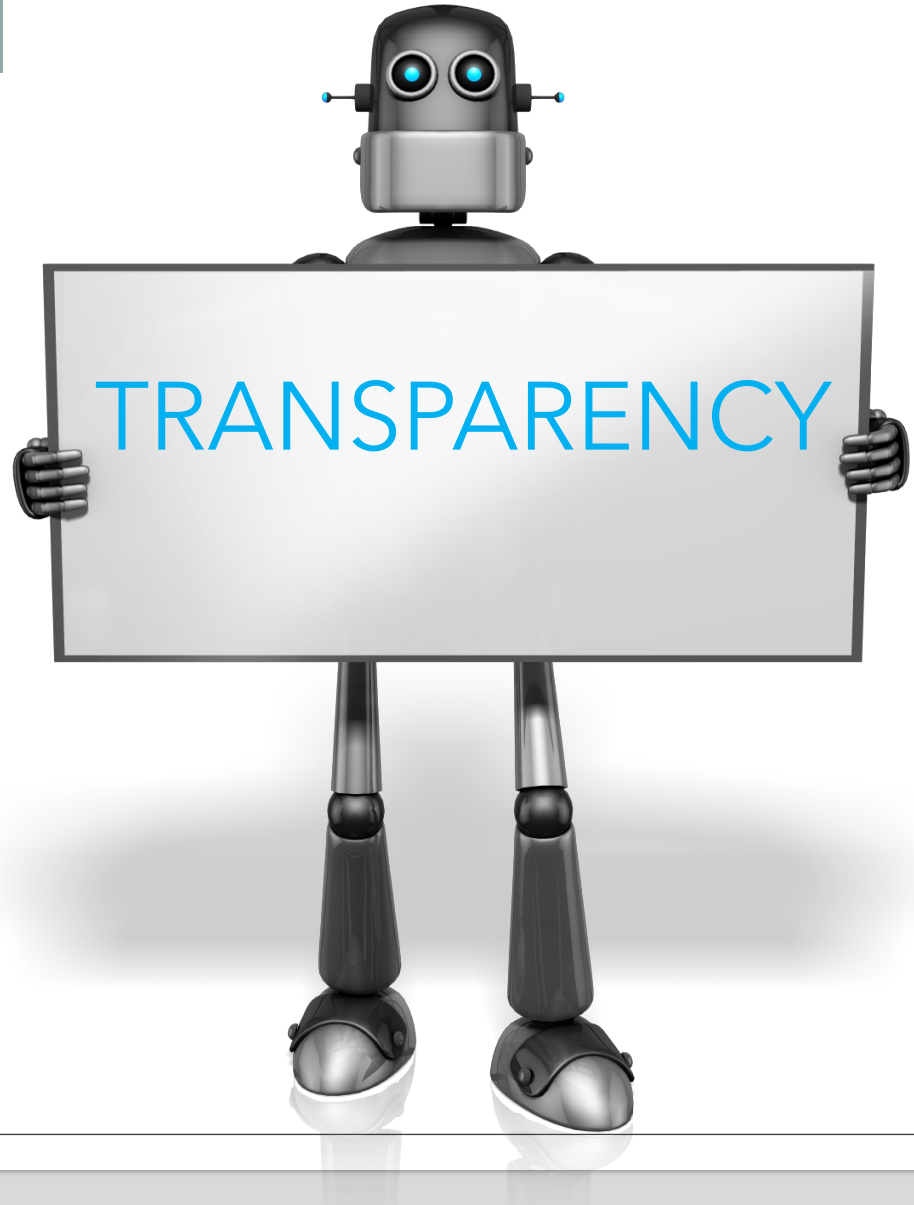
4. Transparency

Does the system have measures to continuously assess the quality of the output?



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5. Diversity, non-discrimination

Is there a strategy

to avoid creating or

reinforcing bias ?

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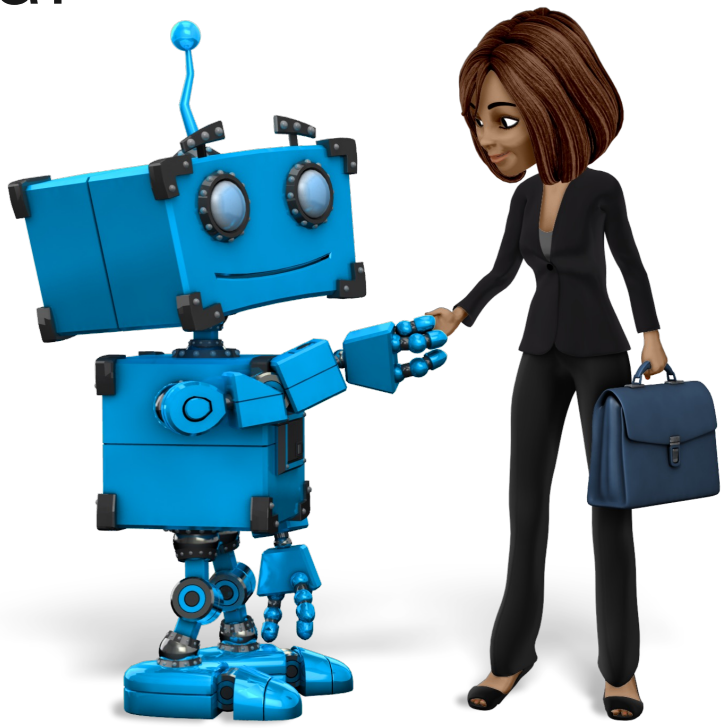
6. Societal and environmental well-being

Are there any measures to minimize potential harm to society or the environment?



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7. Accountability

Is there an AI Ethics review Board to discuss accountability and ethical practices?

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Ethical considerations

and responsible development

are crucial to shaping this AI world

in ways that align

with human values and principles.

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So who should be involved in creating

Ethics principles for AI?

All of us.

This concerns all of us.

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- AI developers, data scientists
- Linguists, professors
- Legal compliance officers
- Intergovernmental entities (UN)
- Governmental agencies

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Food for thought

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How can we make AI systems robust, so commands are executed without malfunctioning or being hacked?

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How can we increase our prosperity through automation while preserving the resources and goals of people?

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How can we modernize our legal systems to make them more efficient and just, to keep pace with AI, and to manage the risks associated with AI?

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To what set of values should artificial intelligence be aligned, and what legal and ethical standing should it have?

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"Unless someone like you cares

a whole awful lot,

nothing is going to get better.

It's not."

Dr Seuss

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Thank you!

Find me in

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