# Equality, artificial intelligence, algorithms and automated decisions:

how to detect and tackle discrimination in the context of artificial intelligence?

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Frequent use of the term <> different interpretation of the meaning

There is no official definition

The tradition of sci-fi

General artificial intelligence
VS.
Normana autificial intelligence
Narrow artificial intelligence
General artificial intelligence
deneral artificial intemigence
represents a machine that can handle any intellectual task
Narrow artificial intelligence
denotes a system that performs a single action

General artificial intelligence is the domain of science fiction  All current artificial intelligence methods include into the realm of narrow artificial intelligence!
Key concepts
Autonomy
Ability to perform tasks in a complex environment without constant user guidance
Adaptability
Ability to improve performance by learning from experience

# The huge potential of artificial intelligence Health Transport Energy Agriculture **Tourism** Cybersecurity Trusted artificial intelligence Trust as a prerequisite Ethical technology

European concept trusted artificial intelligence	
Regulation on artificial intelligence	
Concept of risk	
Unacceptable risk High risk Limited risk	
Minimum risk	

Unacceptable risk
Forbidden AI systems
Threats to the safety, life and rights of people
High risk
Systems with anti-discriminatory impact as well  e.g. education (test scoring)  staff management (sorting CVs)

#### High risk

## Strict obligations:

#### High risk

Remote biometric identification
Exceptions (with the permission of a court, other independent authority)
Search for the missing child
Preventing a specific and imminent terrorist threat

Perpetrator of a serious crime

Limited risk	
(e.g. chatbots)	
User Knowledge for his decision whether to use such a system	
Minimum risk	
Video games with AI Spam filters	
It poses only a minimal risk to rights and security (Regulation does not apply to these systems)	

Commission proposal
National supervisory authorities European Council on Artificial Intelligence
Autonomous vehicles
(delivery robots, drones or autonomous vessels)

#### Recommended content

While the headline of the printed version of the "newspaper" is the same for all readers, the homepage of the online version is different for each reader

The algorithms that determine the content displayed are based on artificial intelligence

#### Image and video processing

(facial recognition - photo sorting, automatic tagging in social media)

Generating or editing digital content - photo filters

Computer-generated characters in films (imitation of human gestures)

Thank you for your attention!
Your questions?