

Based on our discussions in the lecture, now it is time to express your understanding on the Ethical part of AI. With the new technologies driven by AI being more widespread everyday, several concerns also arise. We have discussed topics like Robot ethics, consequences of having AI in battlefield, its implicit bias etc. We also talked at length about the danger of non-transparent algorithm, the criticality of trustworthy AI in practice, and what can we probably do to build a responsible robot.

Now, in this assignment you are required to elaborate on the bias observed in algorithms for one of the problems described below. Your essay should focus on the impact of AI in your chosen application domain, how to enforce transparency in the AI system design/implementation process, and how do we prevent ourselves to accept AI supremacy by default?

The list of problems to choose from:

Printing press,

Drones/Surveillance Videos

Safety of your online data

Critical decision-making processes like Hiring, Individual profile based risk/fraud action prediction

Job automation

Autonomous Driving

An **Exemplary** essay would focus on the followings: 1) Explain the problem in the specific usecase, 2) how to correctly apply standard/rules like considering potential consequences/conflicts, 3) elaborate her/his viewpoint, 4) offer alternative resolutions and their respective risks, and 5) cite analogous cases as justification.

An **Satisfactory** essay would focus on the followings: 1) Explain the problem in the specific usecase, 2) how to correctly apply standard/rules like considering potential consequences/conflicts, 3) elaborate her/his viewpoint, (though not equivalently emphasize on the alternative viewpoints), and 4) cite analogous cases as justification.

A **Developing** essay should correctly 1) explain the problem in the specific usecase, 2) how to correctly apply standard/rules like considering potential consequences/conflicts, 3) , cite few examples only, without analyzing the reports/cases.

An **Unsatisfactory** essay would just explain the problem in the specific case, but does not focus on the standard/rules of the ethical AI or anything else, discussed above.