

Master in Artificial Intelligence



Overview I



Purpose

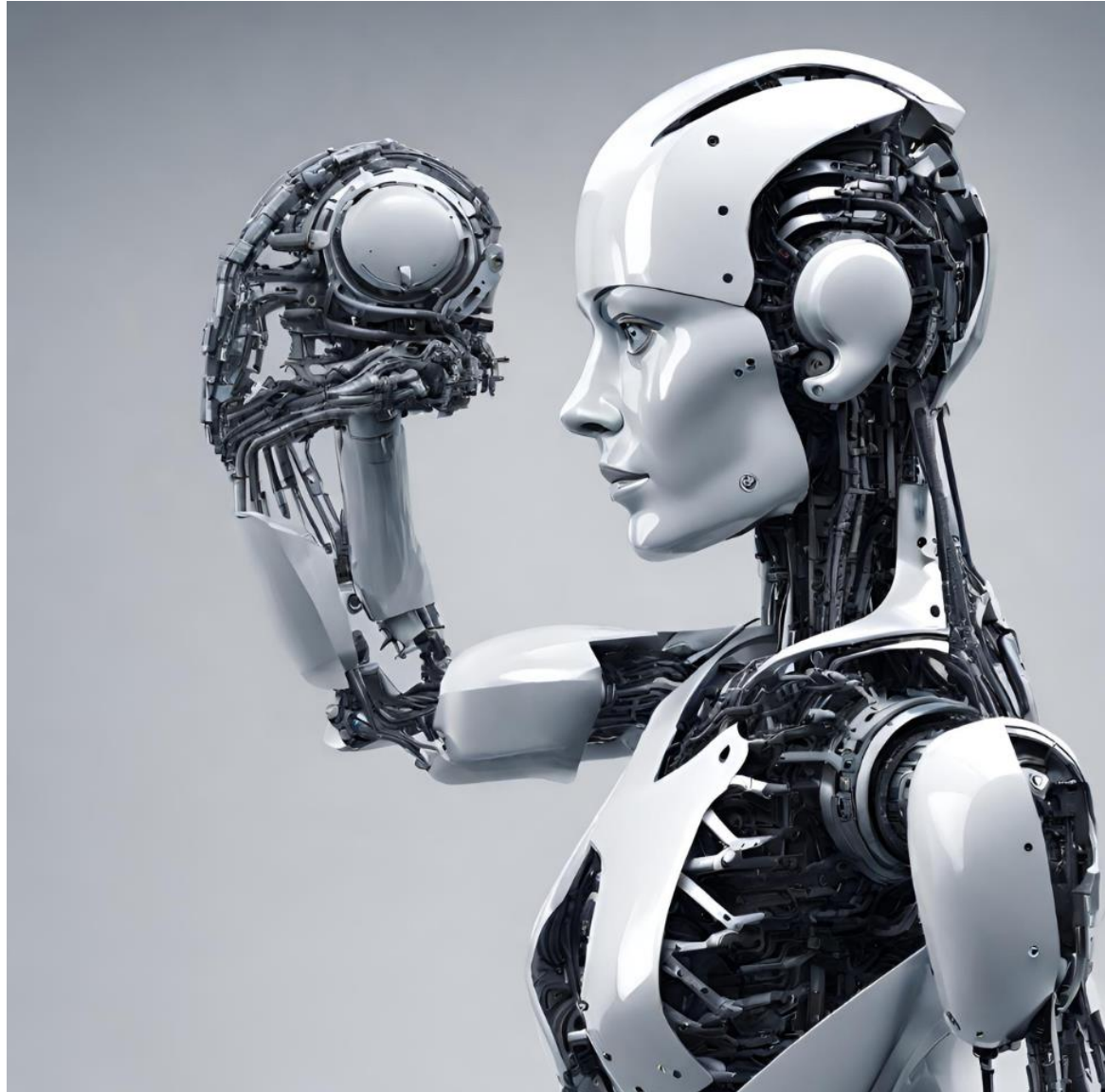
The purpose of the section is to give you an overview of how to become a Successful Artificial Intelligence (AI) Engineer

At the end of this lecture, you will learn the following

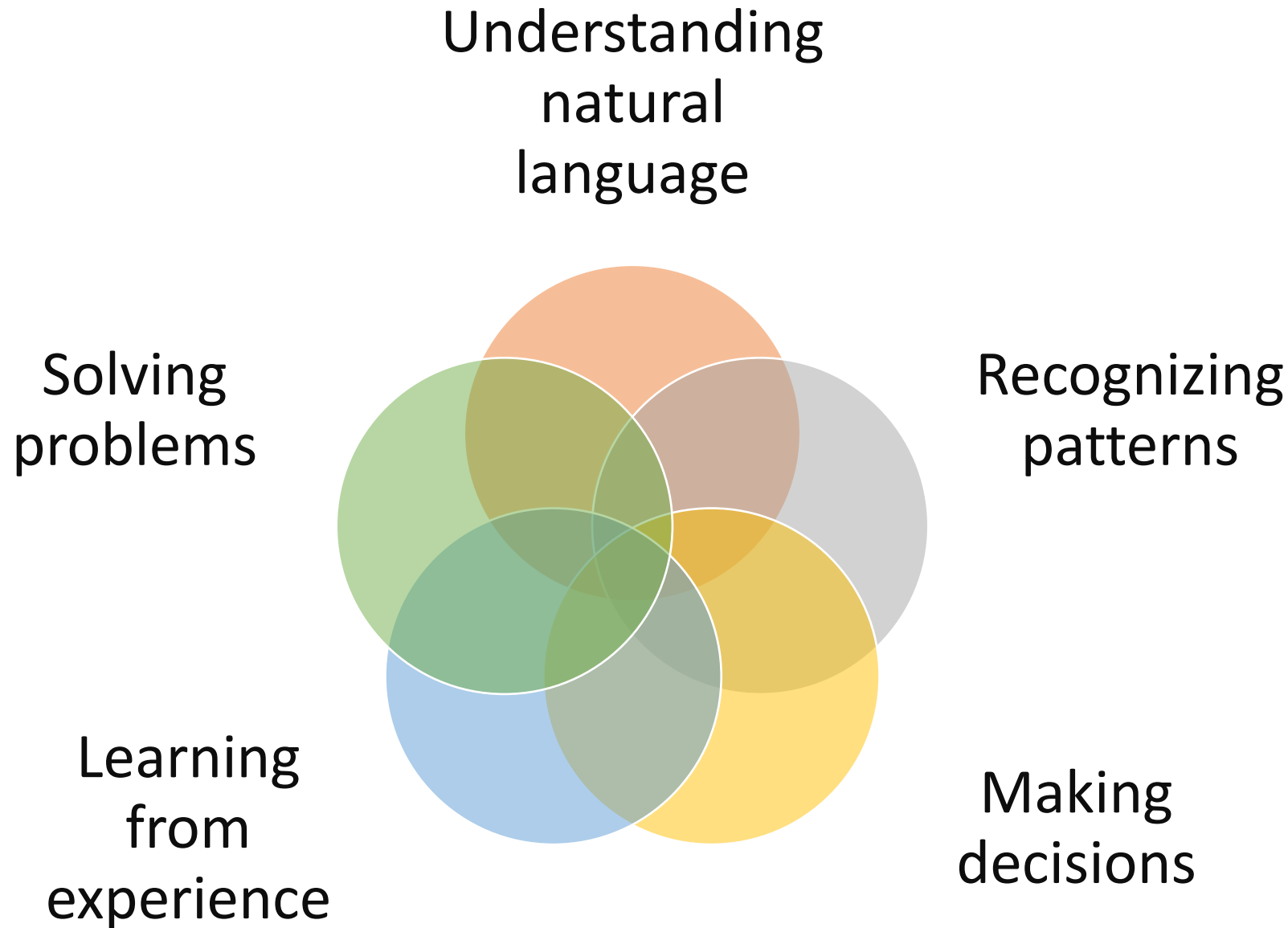
- **What is Artificial Intelligence and career opportunities in this field**



What is Artificial Intelligence?



What is Artificial Intelligence?



What is Artificial Intelligence?

Machine
learning

Deep learning

Natural
language
processing

Computer
vision

Robotics

And More...



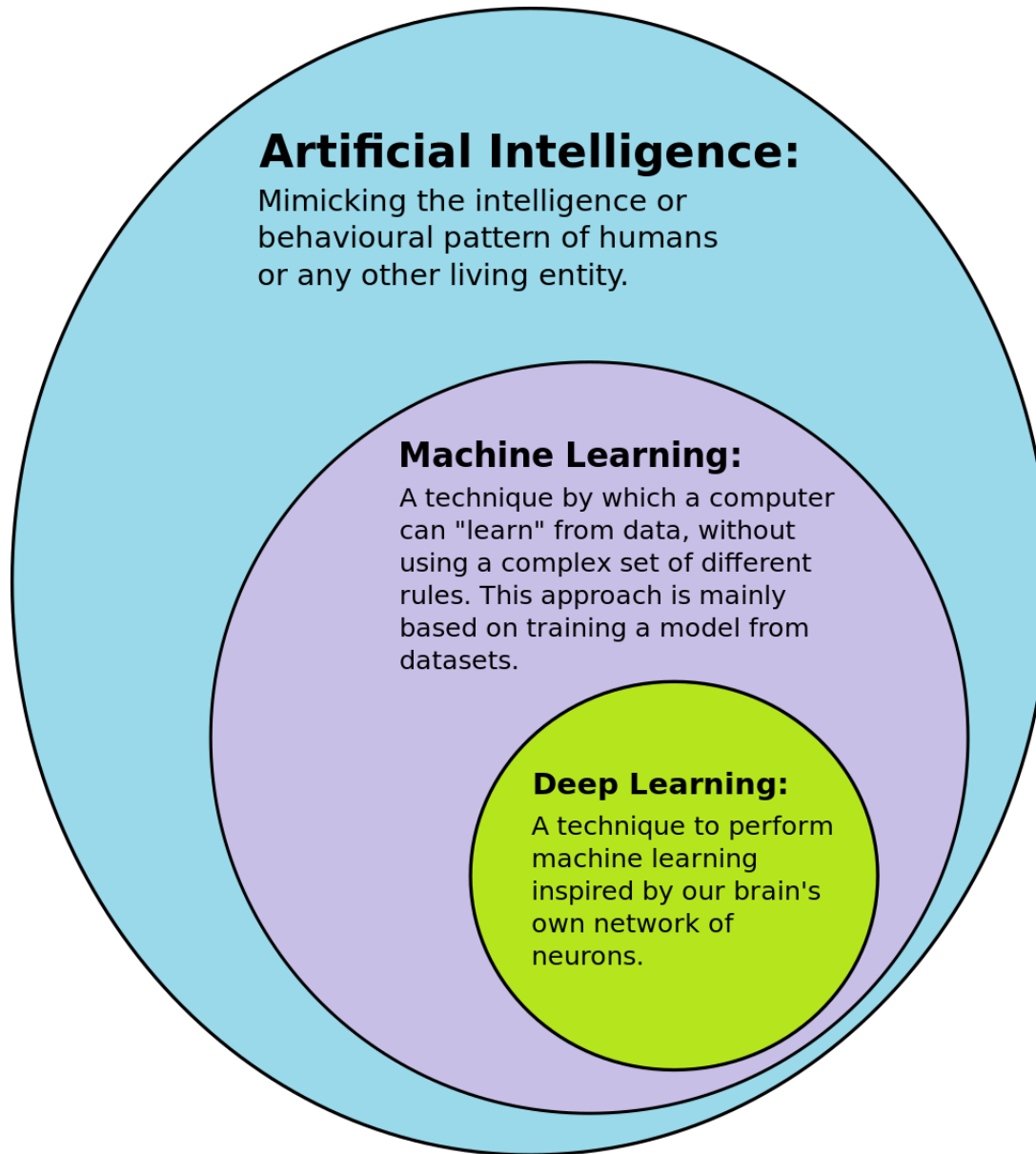
What is Machine Learning?

Development of algorithms
and statistical models

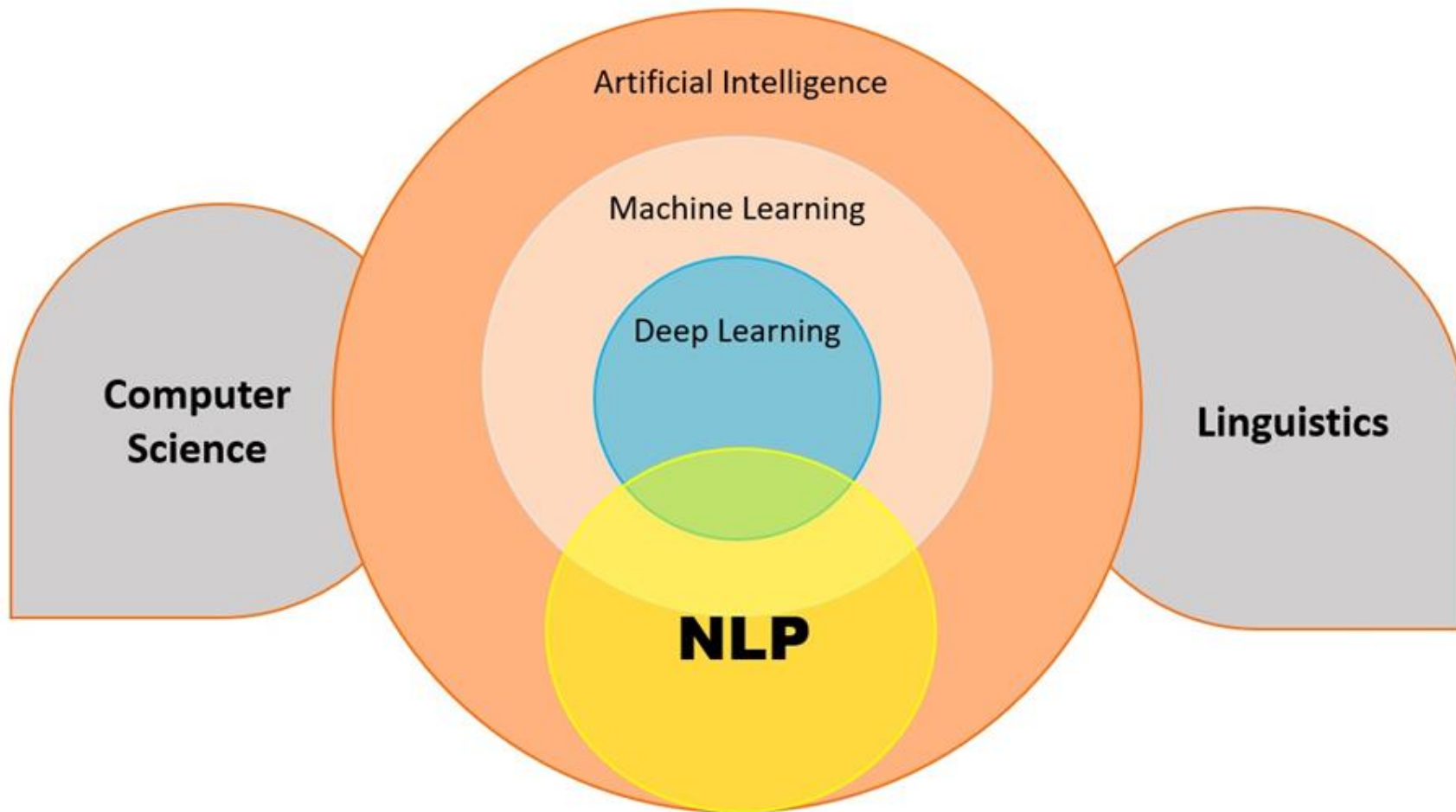
Enable computers to learn
from and make predictions
or decisions based on data,
without being explicitly
programmed to do so



What is Deep Learning?



What is Natural Language Processing?



What is Computer Vision?

How Computer Vision Works



Acquiring the image

Images, even large sets, can be acquired in real time through video, photos or 3D technology for analysis.



Analyzing the image

Deep learning models automate much of this process, but the models are often trained by first being fed thousands of labeled or pre-identified images.



Applying the insights

The final step is the interpretive step, where the deep learning model is deployed to score new image or video feed.

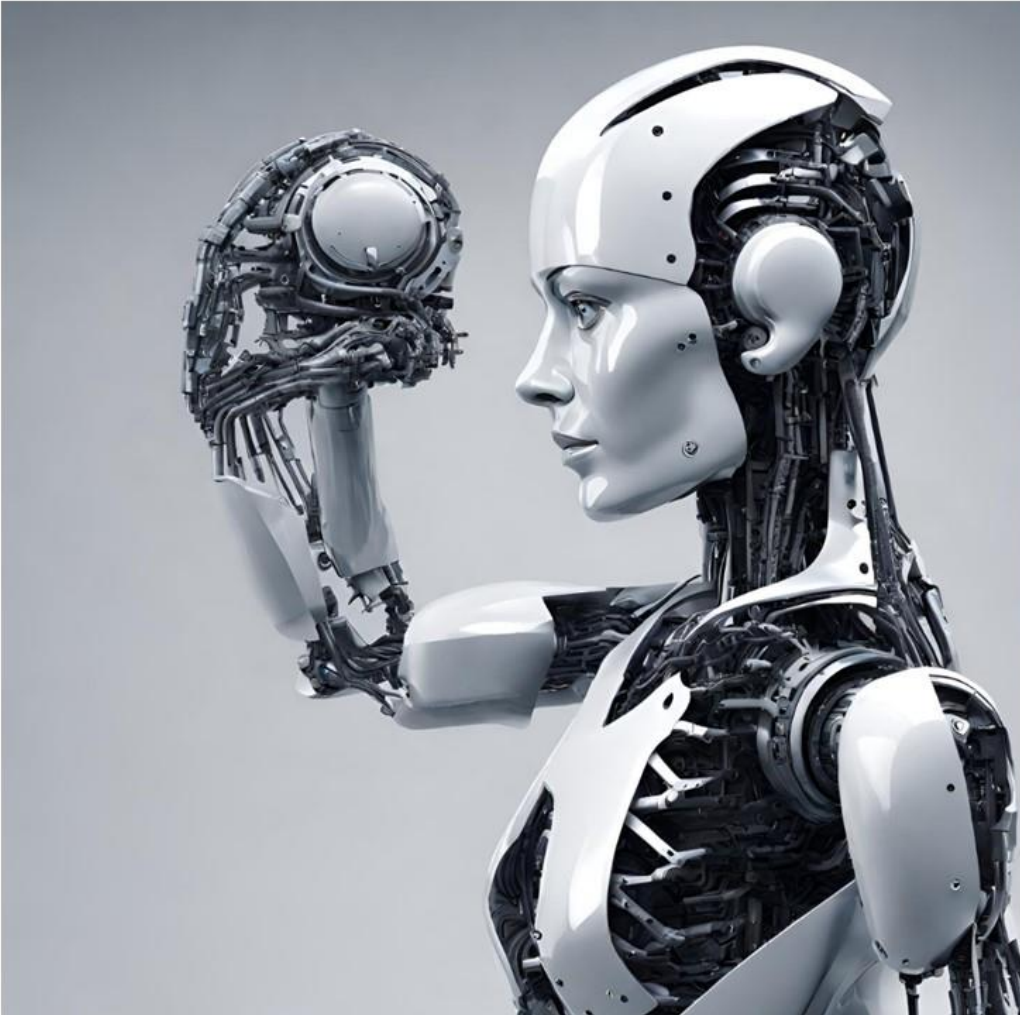


What is Robotics?



What is next?

What are the career opportunities in Artificial Intelligence?



Master in Artificial Intelligence



Overview I

