



- 1- List four applications of neural networks in autonomous driving.
 - 2- How is neural networks related to machine learning?
 - 3- Describe the input and outputs of the four machine learning problems.
 - 4- What are the factors that made the deep learning applications represent the state of the art trends in computer vision?
 - 5- Visual recognition is one of the most challenging problems in machine learning. Explain and list the challenges. What are the inputs and outputs?
 - 6- Object classification and object detection are two different machine learning problems. Explain in brief. Show how the precision of each process is computed?
 - 7- Define TP, TN, FP, and FN. What is the relation with precision and accuracy?
 - 8- Explain in detail the difference between CNN and conventional NN?
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