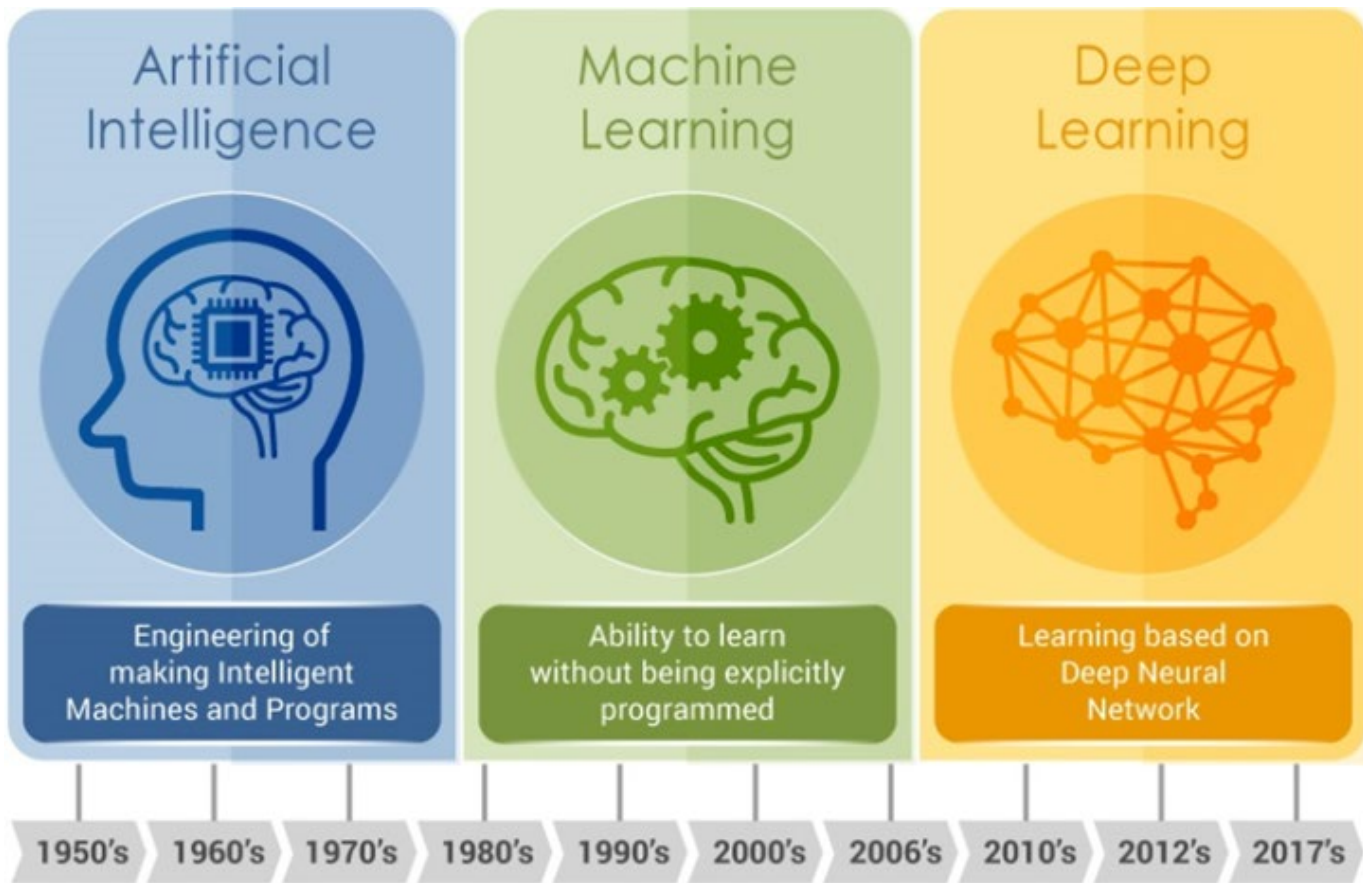
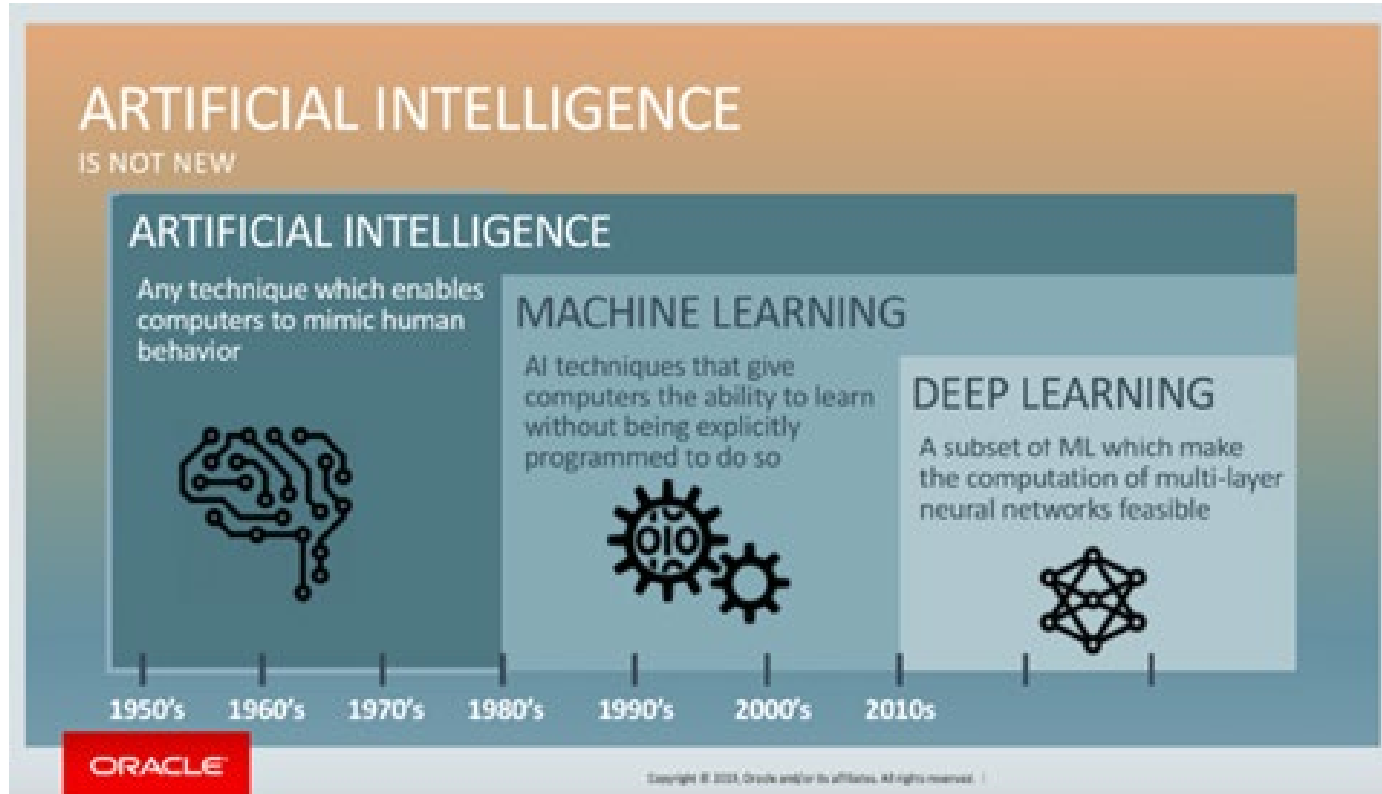


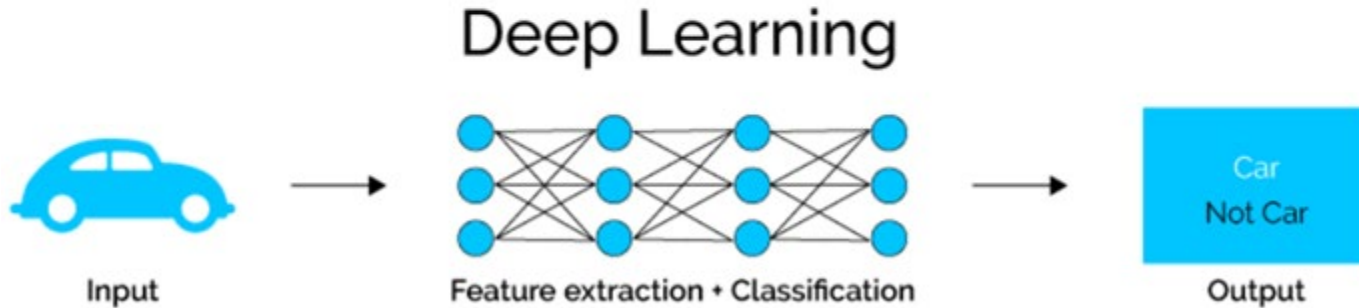
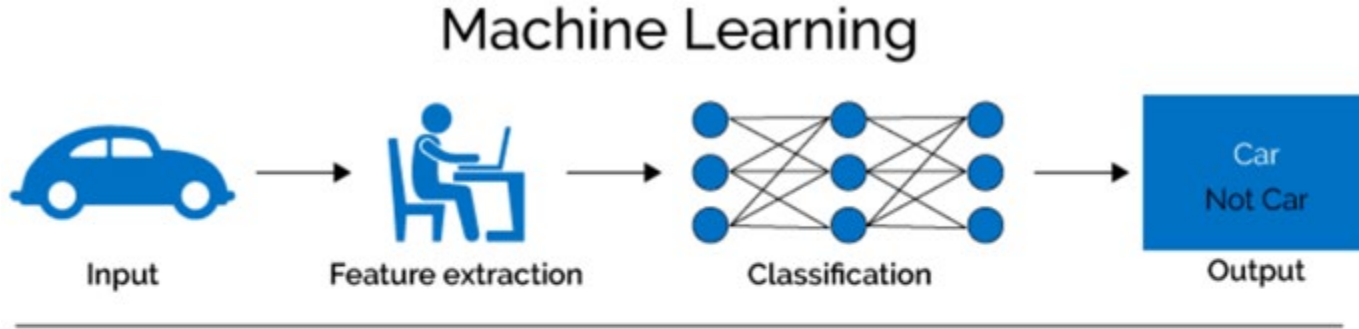
Evolution of AI



Difference between AI, ML, and DL

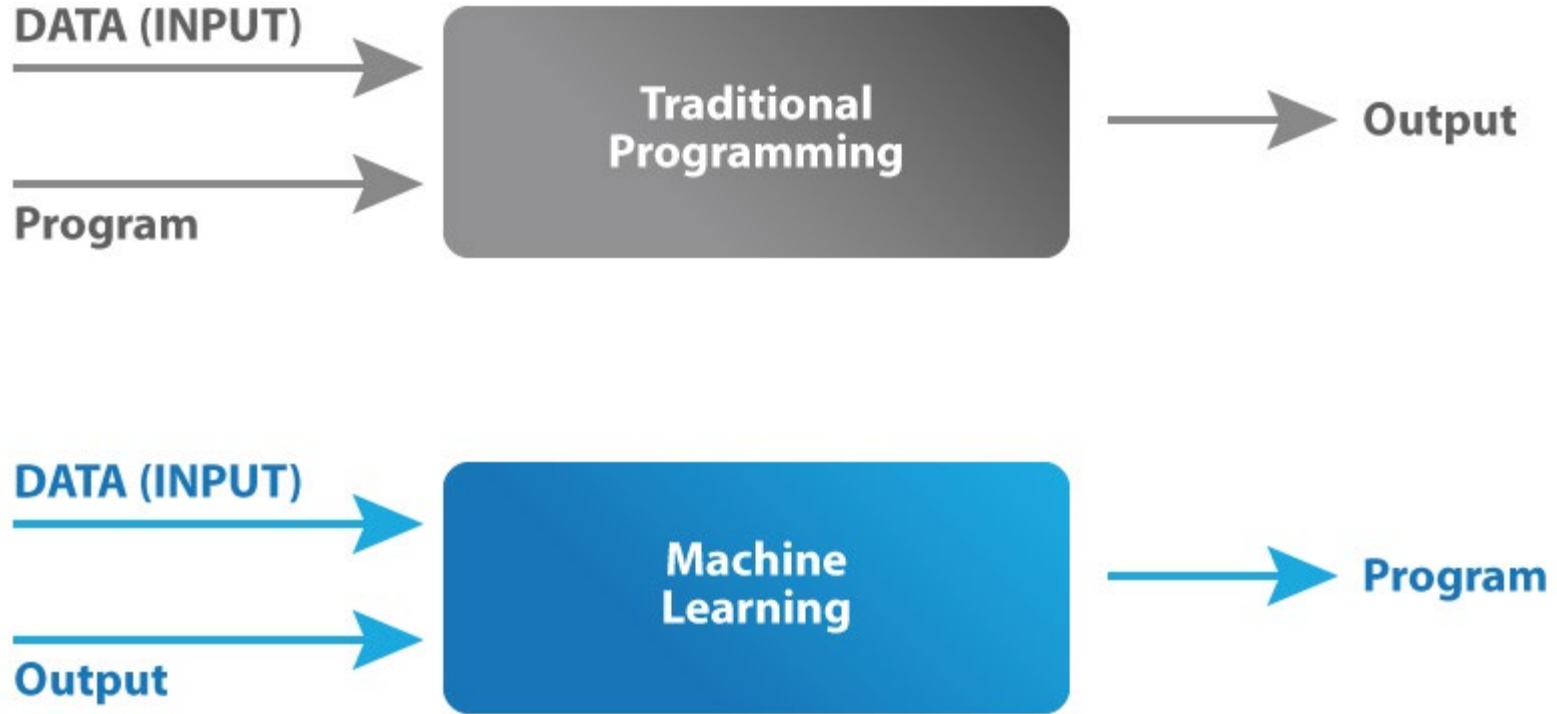


ML vs. DL



Introduction to ML

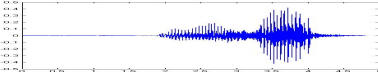
Recall ML



Machine Learning

≈ Looking for a Function

- Speech Recognition

$$f(\text{  }) = \text{“How are you”}$$

- Image Recognition

$$f(\text{  }) = \text{“Cat”}$$

- Playing Go

$$f(\text{  }) = \text{“5-5” (next move)}$$

- Dialogue System

$$f(\text{ “Hi” (what the user said) }) = \text{“Hello” (system response)}$$

Framework

Image Recognition:

$$f(\text{img}) = \text{"cat"}$$

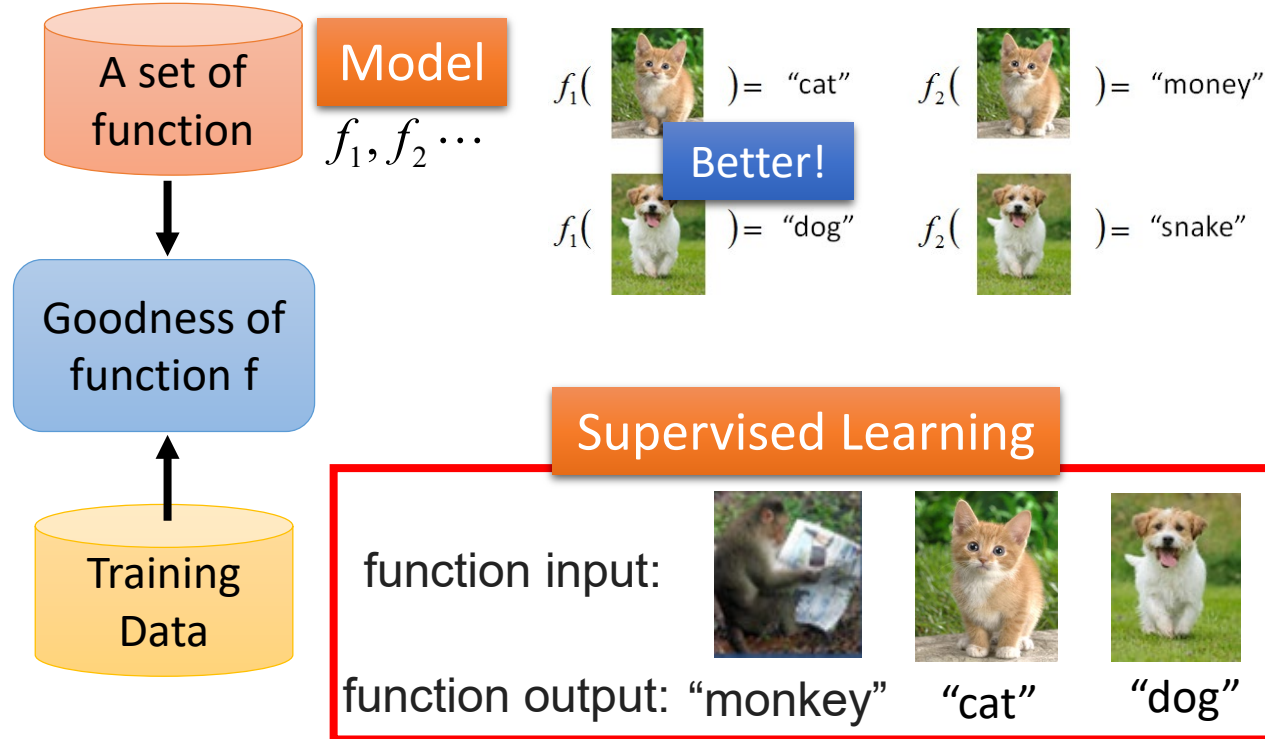


$f_1(\text{img}) = \text{"cat"}$	$f_2(\text{img}) = \text{"money"}$
$f_1(\text{img}) = \text{"dog"}$	$f_2(\text{img}) = \text{"snake"}$

Framework

Image Recognition:

$$f(\text{img_cat}) = \text{"cat"}$$



Framework

Image Recognition:

$$f(\text{Image of a cat}) = \text{"cat"}$$

