

# day\_16\_Assignment

January 16, 2023

## 1 Assignment 01

Subject of notebook : Deep learning vs machine learning vs Artificial intelligence

Name of the author : Qadir Shahbaz

Where to contact : qadir\_shahbaz@yahoo.co.uk

date : 16/01/2023

AI is the broadest field, and deep learning is a subset of machine learning, which is a subset of AI.

## 2 Assignment 2

Subject of notebook : Why boston dataset has been removed from scikit-learn since version 1.2

Name of the author : Qadir Shahbaz

Where to contact : qadir\_shahbaz@yahoo.co.uk

date : 16/01/2023

The Boston housing prices dataset has an ethical problem. You have mention about it in your lecture as well. There is racial discrimination within the dataset. Please see below.

“an increase in B should have a negative influence on housing value if Blacks are regarded as undesirable neighbors by Whites.”

## 3 Assignment 03

Subject of notebook : What are the dataset in the scikit-learn library

Name of the author : Qadir Shahbaz

Where to contact : qadir\_shahbaz@yahoo.co.uk

date : 16/01/2023

List of dataset in the scikit-learn library are below:

1. breast\_cancer
2. diabetes
3. digits
4. files
5. iris
6. linnerud
7. sample\_image
8. sample\_images
9. wine

## 4 Assignment 04

Subject of notebook : what other words can be used for input and output in machine learning?

Name of the author : Qadir Shahbaz

Where to contact : qadir\_shahbaz@yahoo.co.uk

date : 16/01/2023

**Input** 1. Features 2. Predictors 3. Independent variables 4. Data

**Output** 1. Prediction 2. classification 3. Target 4. Label 5. Response 6. Estimation