MODULE 1 ASSIGNMENT 1

QUESTION-1

Write a short introduction on data science and various real world applications and domains where we can imply data science

QUESTION-2

Define all data science lifecycle steps / process which are necessary to make the data ready to use

QUESTION-3

Mention the differences between role of Data scientist , data analyst , data engineer and ml engineer

QUESTION 4

Explain data pipeline process in detail

QUESTION 5

Explain any 5 responsible ai practices

HOW TO ANSWER THESE QUESTIONS

QUESTION 1:- short introduction on data science and explain any 5 domains (sports , healthcare , agriculture and more) linking with for which type of data you will use which python library(numpy pandas matplotlib scikit learn)

QUESTION 2:- mention all the 8 steps (aim , data acquisition , data preparation , exploratory analysis , modeling , Evaluation , deployment , monitoring)

QUESTION 3: - explain the differences between their working system / difference in roles and to be fit for that role what are the skill set they must have

QUESTION 4: - Explain all the steps that are involved in pipelining process

QUESTION 5:- Explain fairness transparency privacy accountability or any five of your choice