Ans: @ why do we preprocess the data:

Date preprocessing is a crucial step in the data mining and anathine learning algorithms pipelines. It invalves cleaning, transformation, and organising from data into a format suitable for analysis, Several resons highlights the important of deta preprocessing.

- 1. Handling missing values.
- 2. Dealing with Noisy Data
- 3. Date integration
- 4. Data transformation
- 5. Handling inconsistencies
- 6. Dimensionally Reduction
- 7. Addressing skeness anon-normally
- 8. Improving model performance
- 9. Embercing imterprecity
- 10. Meuting Algorithm Requirements.
- Different algorithm have specific data requirements. Data preprocessing ensures that the input data these requirements, leading to optimal algorithm performance.