

Name: Lokeshkannan U

Roll number: 713322AD058

Dept: AiDS

Task number:3

Task: Data Scientist Roles ResearchData Analysis and Interpretation

Data Scientists are responsible for analyzing large sets of structured and unstructured data to identify patterns, trends, and insights.

- Collecting and processing raw data from various sources.
- Using statistical methods and tools to interpret data sets.
- Translating data findings into easy format for stakeholders.

Machine Learning and Predictive Modeling:

Data Scientists develop and implement machine learning models to make predictions and automate decision-making processes.

- Designing and training machine learning models.
- Evaluating model performance and optimizing algorithms.
- Implementing models into production systems to improve business outcomes.

Data Communication and Visualization:

Data Scientists communicate their findings and insights through visualizations and reports to help stakeholders make data-driven decisions.

- Creating dashboards and visualizations to represent data insights.
- Preparing detailed reports and presentations.
- Collaborating with cross-functional teams to understand business requirements and provide data-driven solutions.