Project

Course: Big Data & Data Analytics - II

Intern Id: 180021	Intern's Name: Dilawer	Period: 10-10-2021

Project Activity 3: Predicting the Survival of Titanic Passengers

Section - A

Answers of all the questions (Q1 to Q9) are uploaded on github whose link is given below:

https://github.com/iDilawer/BigData_Analytics_II_W10_11_Project_Activity_3

Q10) What conclusions are you derived from the analysis?

- From the analysis People with higher socioeconomic class had a higher rate ofsurvival.
- Females had Higher chance of survival compared to males.
- People who are having no siblings or spouses are less to likely to survive than thosewith one or two.
- People traveling with 1-3 parents or children have more chance of survivingcompared to who are travelling solo.
- Kids are more likely to survive than any other age group.
- People with a recorded Cabin number are, more likely to survive.

Section – B

Q1) Which is the best model?

- **K-nearest neighbor is the best model:**

1. Simple & intuitive — The algorithm is very easy to understand and implement

2. Memory based approach — Allows it to immediately adapt to new training data

3. Variety of distance metrics — There is flexibility from the users side to use a distance metric which is best suited for their application (Euclidean, Minkowski,Manhattan distance etc.)