

Exploratory Data Analysis with Machine Learning and Deep Learning on Titanic Disaster Dataset

Abstract

This research is aimed at achieving a detailed data analysis and understanding the effect or parameters key to the survival of a person had they been on the ship. Considering the case of Titanic, a British cruise the analysis will be conducted. The survival prediction is done by applying various machine learning algorithms and neural networks. The bio-inspired algorithms will be implemented to optimize the performance of classifiers. Towards the end, accuracies of different algorithms based on features fed to them will be compared in a tabular form.

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