

HW4

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CS380 – Artificial Intelligence

For the gender submission csv, I did not change anything to the file and I got a 0.76555 score when submitting to Kaggle.

Titanic Predictions 1 got a 0.70813 score on Kaggle.

Analyze by pivoting features

I agree with the author, sex and class are definitely factors that would indicate survival. Society tends to put Women and Children in a higher pedestal than Men, so it would make sense that they have a higher survival rate. Also, it would make sense that people of a higher class would have a higher survivability since they would have higher priority to life jackets and life boats. I also agree with the author that number of siblings or parents wouldn't really be a clear indicator for survivability, and it would be hard to determine that it is a cause of survivability without considering the other factors that may show that.

Correlating categorical and numerical features

The graphs show that the higher fare paying passengers had a high survival chance. The graph compares males to females of similar fare pricing, and the data shows that the higher paying passengers had a higher chance to survive

Completing a numerical continuous feature

Makes sense to me honestly, I wouldn't be able to come up with something better.