

Analysis of Titanic Data Set

Code Available at: <https://github.com/sfc-gh-arath/Langara-CPSC-4800-W01-assignment3>

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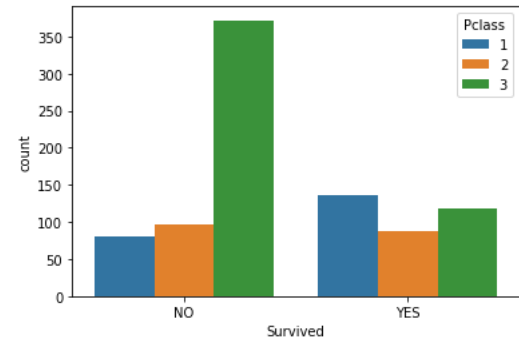
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Summary Report

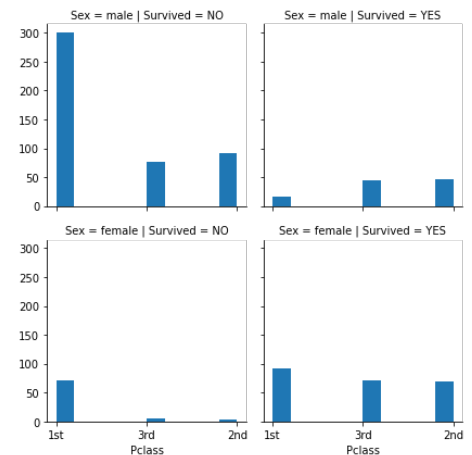
Based on our analysis of the titanic dataset, we concluded the following hypothesis:

1. The chance of survival was higher if you are in Passenger Class 1: Passenger class 3 had a higher number of passengers on board and 372 passengers didn't survive, compared to only 80 and 97 passengers did not survive in passenger class 2 and 1. 136,87, 119 number of passengers survived from passenger class 1,2,3 respectively.



2. Females had a higher rate of survival in upper classes: Based on our analysis we see the following survival rate for female passengers.

Pclass	1st		2nd		3rd	
	female	male	female	male	female	male
Survived						
NO	3	77	6	91	72	300
YES	91	45	70	17	72	47



3. Smaller families had a better survival rate: Based on our analysis, those who had only one or two siblings aboard had a better chance of survival than the families with 3 or more siblings on board.

