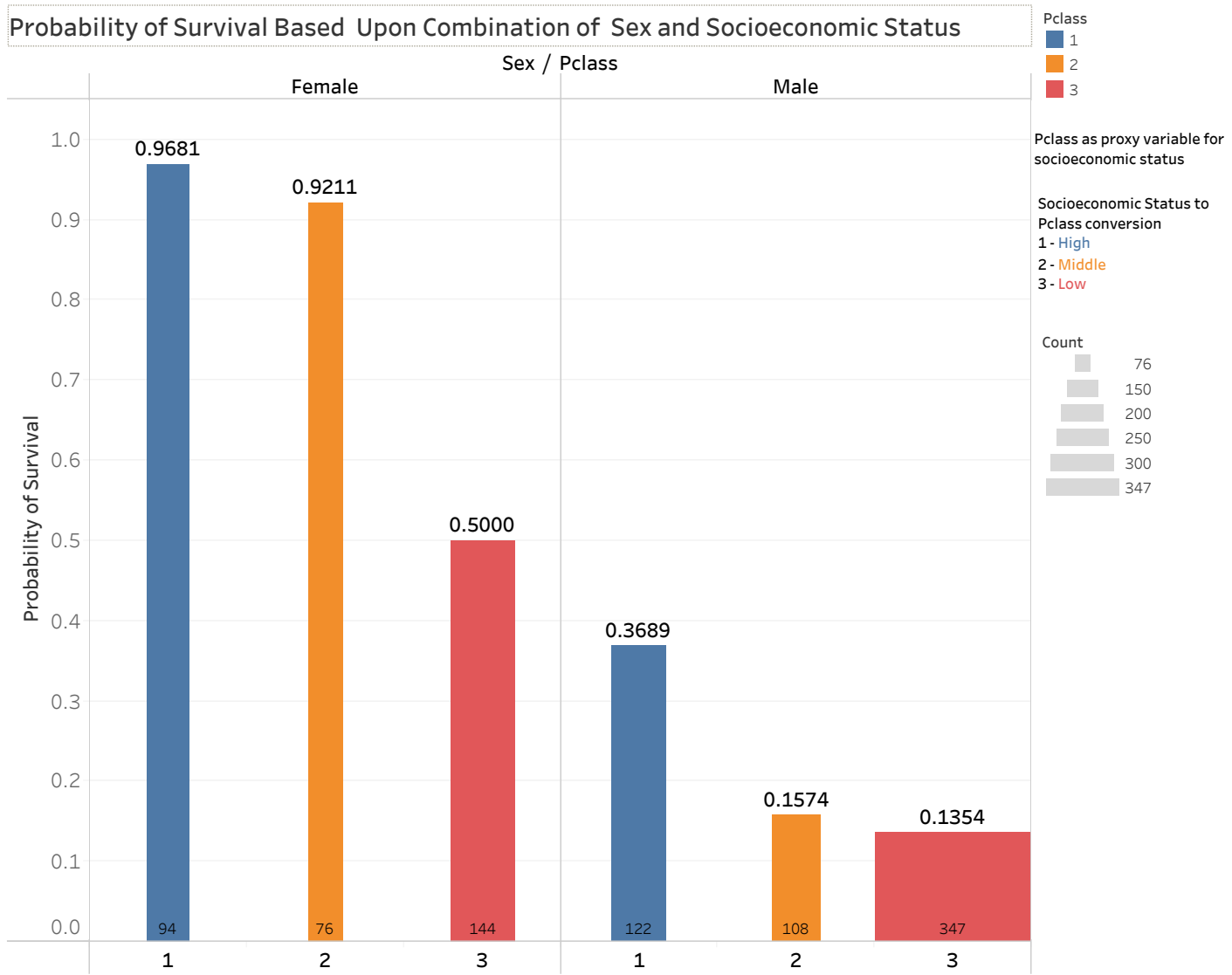


# Who Survived The Titanic

I created a bar graph that shows the probability of an individual surviving on the Titanic based upon their sex and socioeconomic status. The variable "sex" will determine the sex of the individual, and the variable "pclass" will be a proxy variable for socioeconomic status. The relationship between pclass and socioeconomic status is explained by the legend on the right. There is also a count at the bottom of each bar for the amount of individuals in that group.

Here I decided to facto..

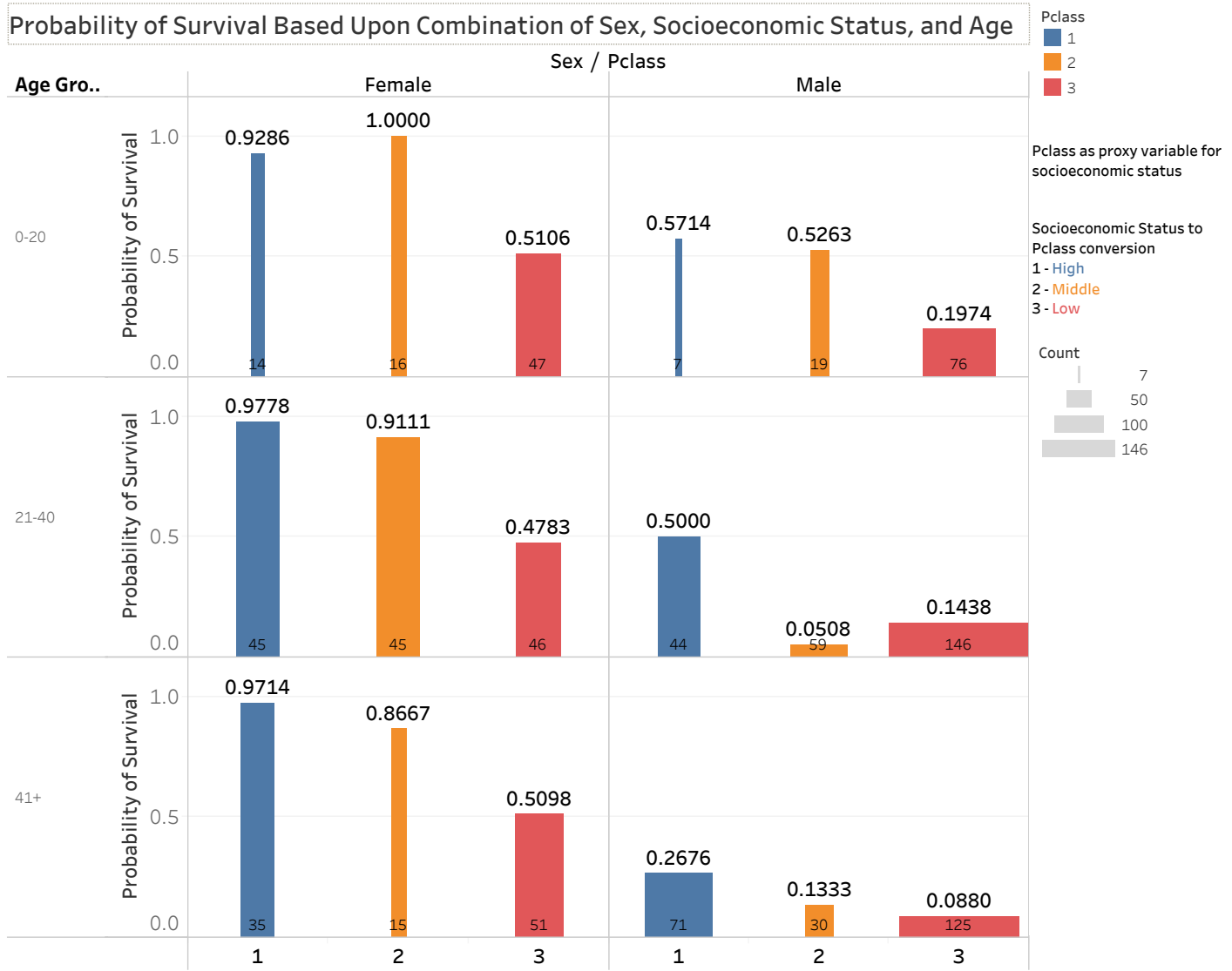


# Who Survived The Titanic

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Here I decided to factor in the age variable to see how age affects survival. I have binned the ages in three groups, 0 - 20, 21 - 40, and 41 +. We can see that age does not affect survival for females, but it does for males, with a strong skew towards younger males surviving. In the next graph, I will break down the 0 - 20 group into a 0 - 10, and 11 - 20 to go into more analysis about age in relation to probability of survival.

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# Who Survived The Titanic

Here I decided to facto.. Here we can see that the 0 - 10 group for males has a better chance of survival compared to the 11 - 20 group for males. This is not true for females at all. These three graphs together allow us to make good predictions about who survived and who didn't on the Titanic based upon the variables age, sex, and pclass. From the dataset given, these were the only three variables that did have an impact on survival, so these graphs are extremely informative as to who survives.

