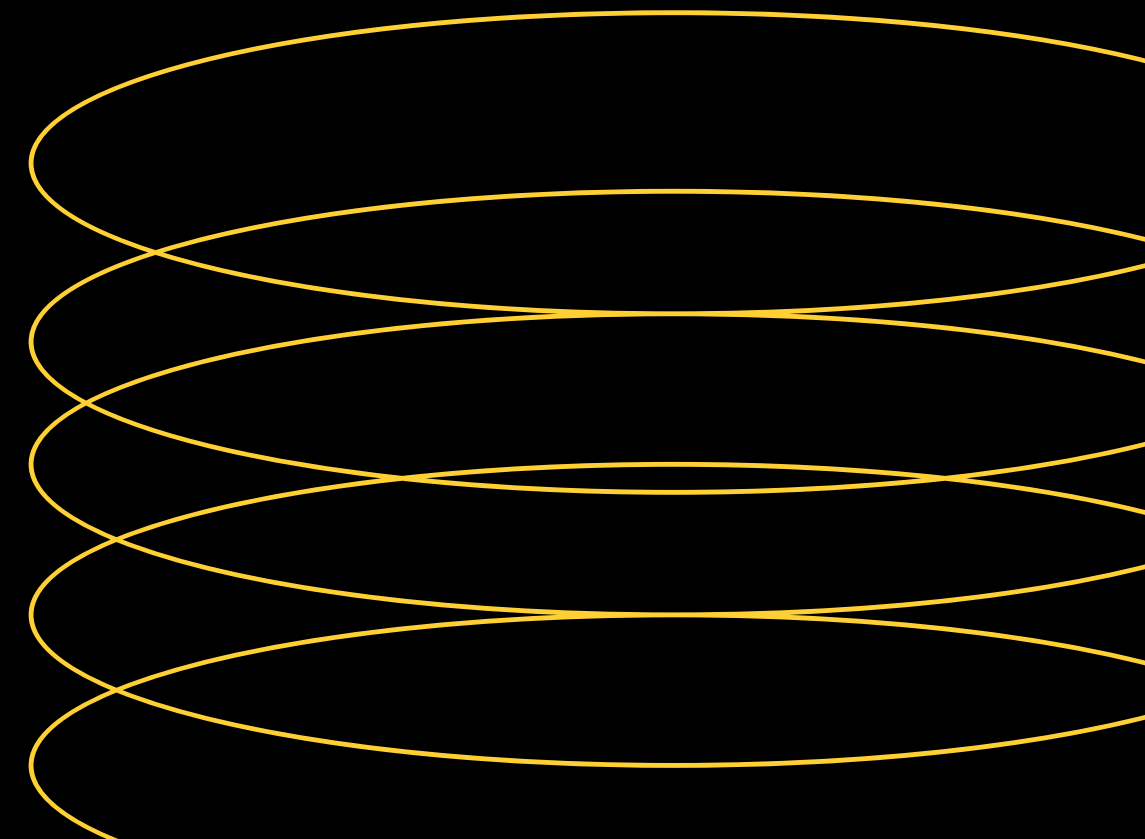


# TITANIC

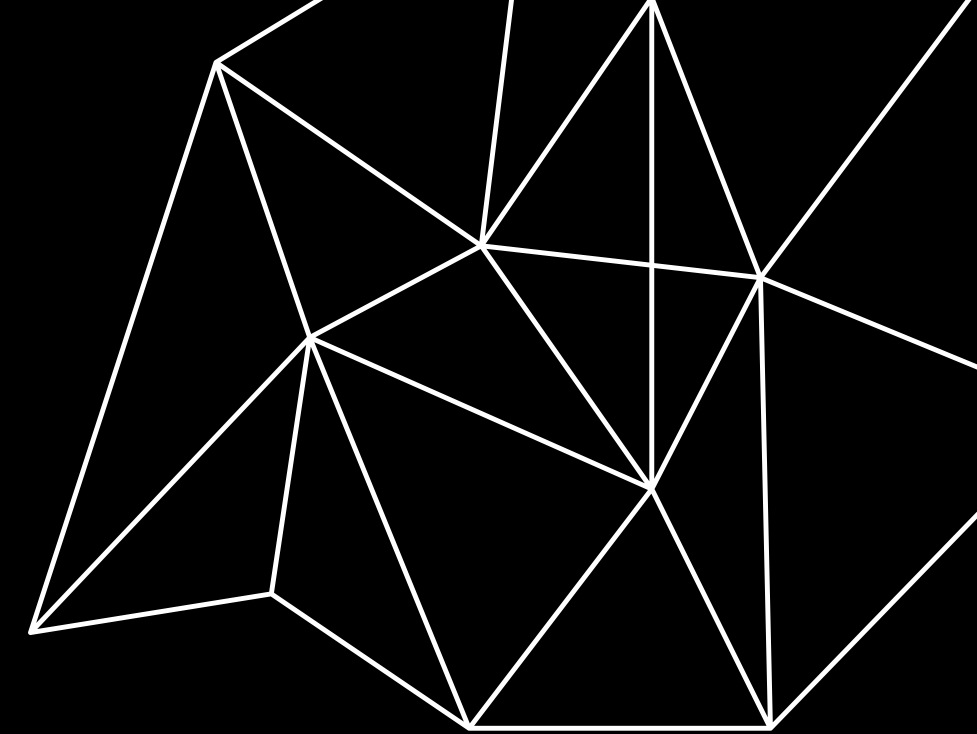
**THE DATA ANALYSIS OF A DISASTER**



# **What happened to the Titanic?**

April 15th 1912

# Variables in use



## **SURVIVED**

Whether the passenger survived or not.  
No, Yes.

## **PCLASS**

Traveling class of Passengers.  
Class 1, Class 2, Class 3.

## **SEX**

Gender of Passengers.  
Male, Female.

## **AGE**

Age of Passengers.

## **FARE**

Fare of the ticket the passenger paid.

## **EMBARKED**

Stores where the Passengers boarded the Titanic.  
Southampton, Cheltenham and Queenstown.

## **FAMILY SIZE**

Number of Siblings/Spouses/Parents/Children on board with that particular Passenger.

## **ALONE**

Number of Passengers that travelled alone.

# **Exploraory Data Analysis**

# Who was traveling on the Titanic?

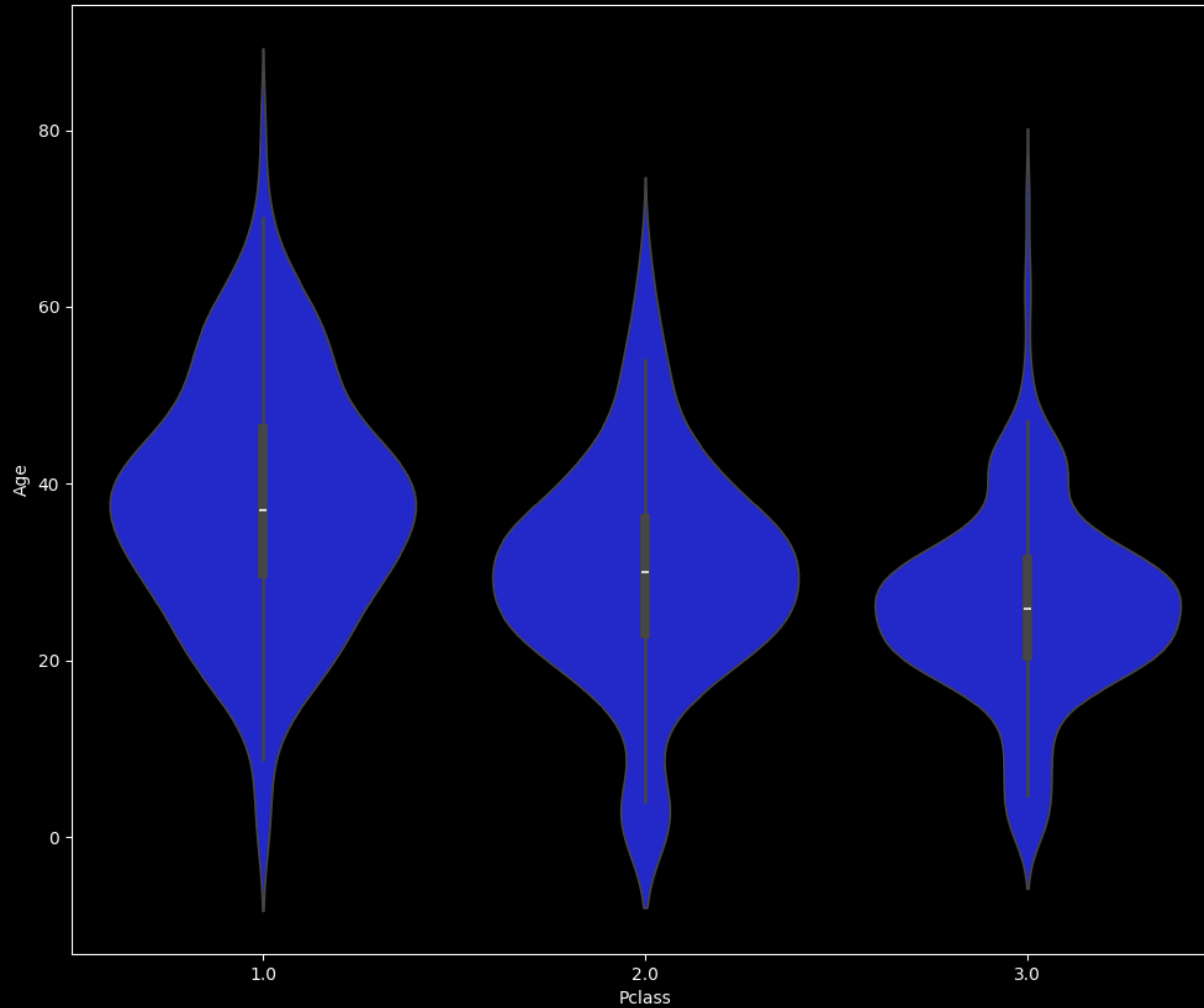
35.24%

Female rate

29

Median Age

Distribución de Pclass por Age

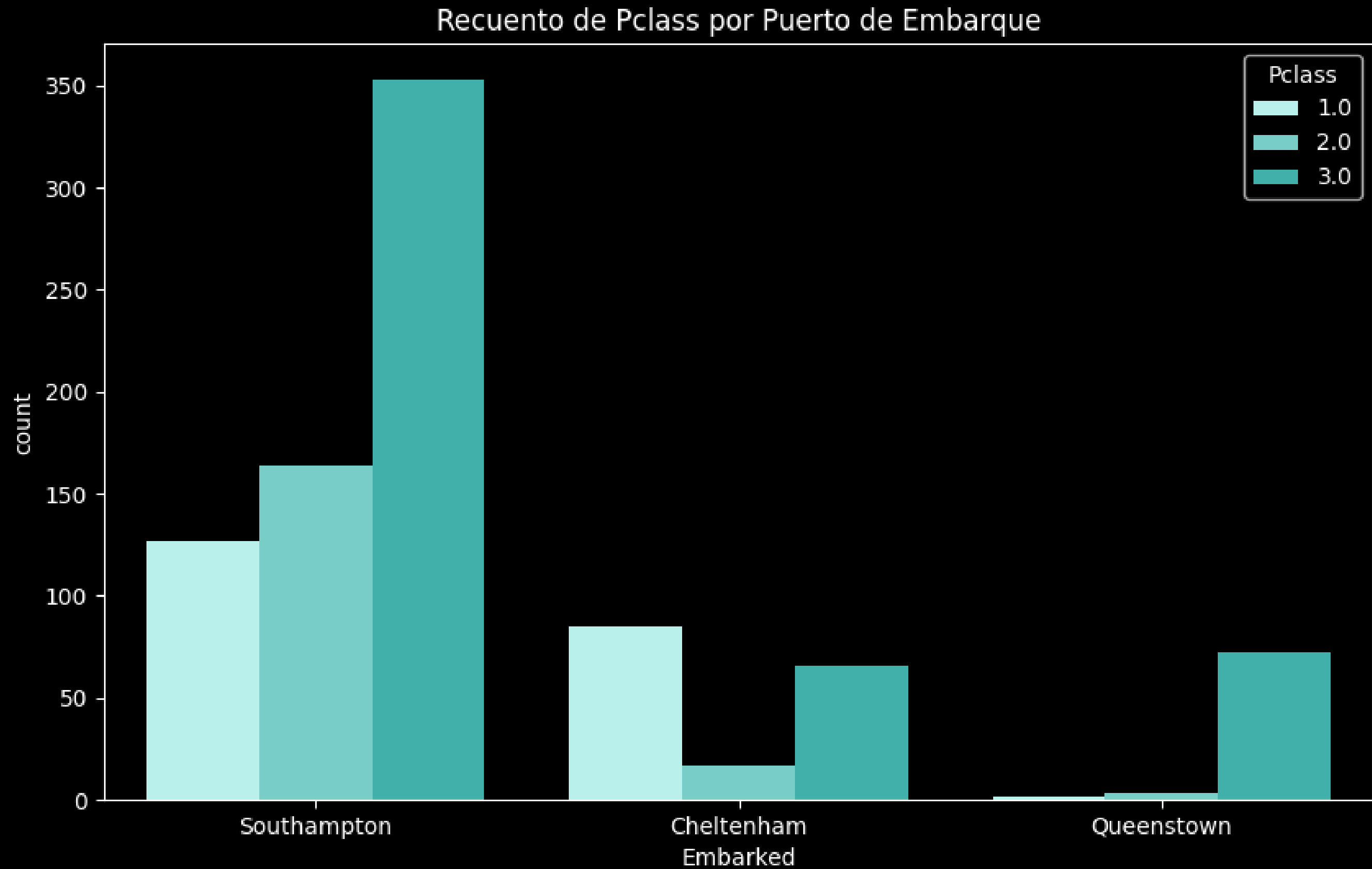




# 38.38%

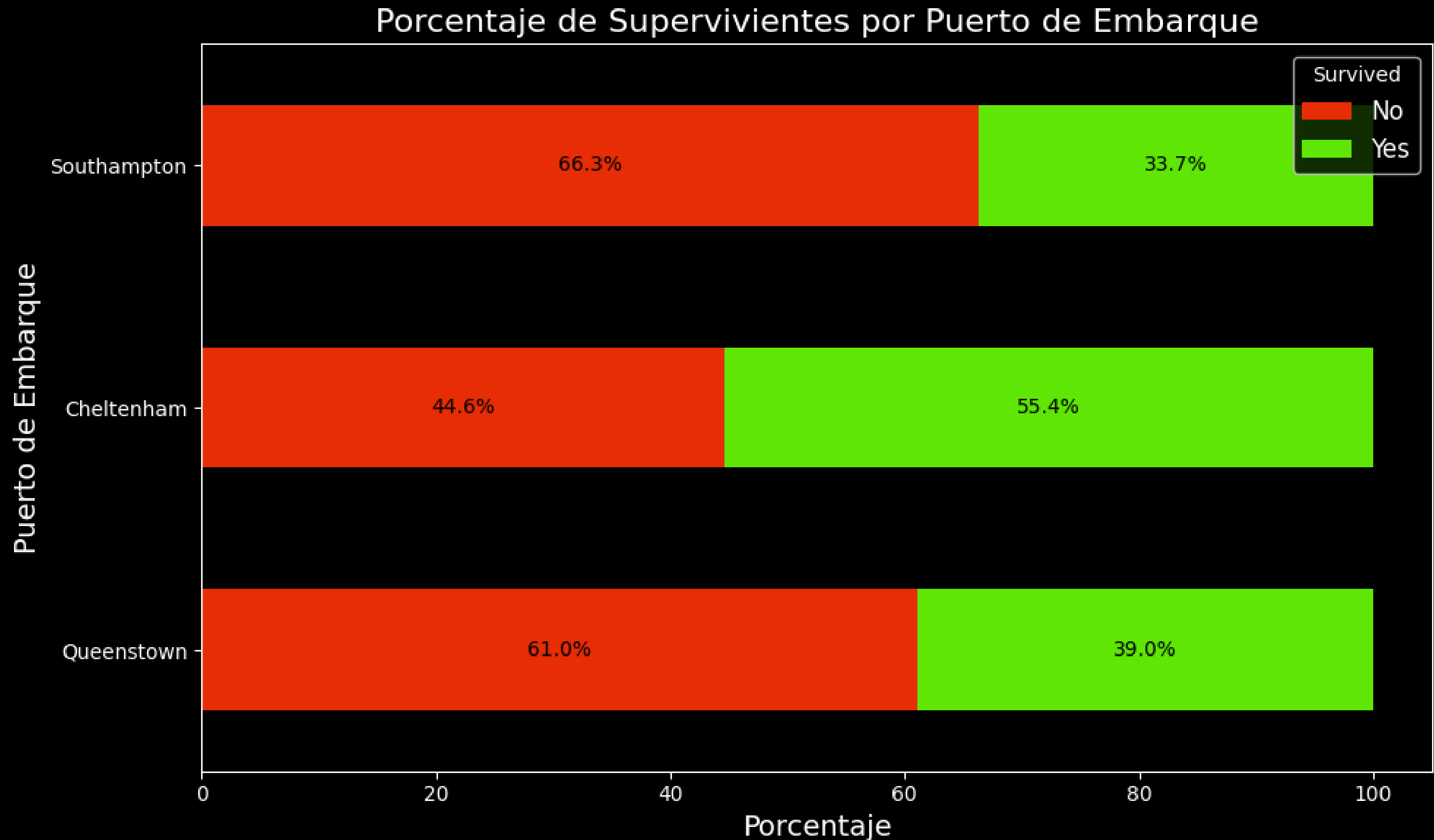
Survival rate

# The Embarkation is related to the survival rate?

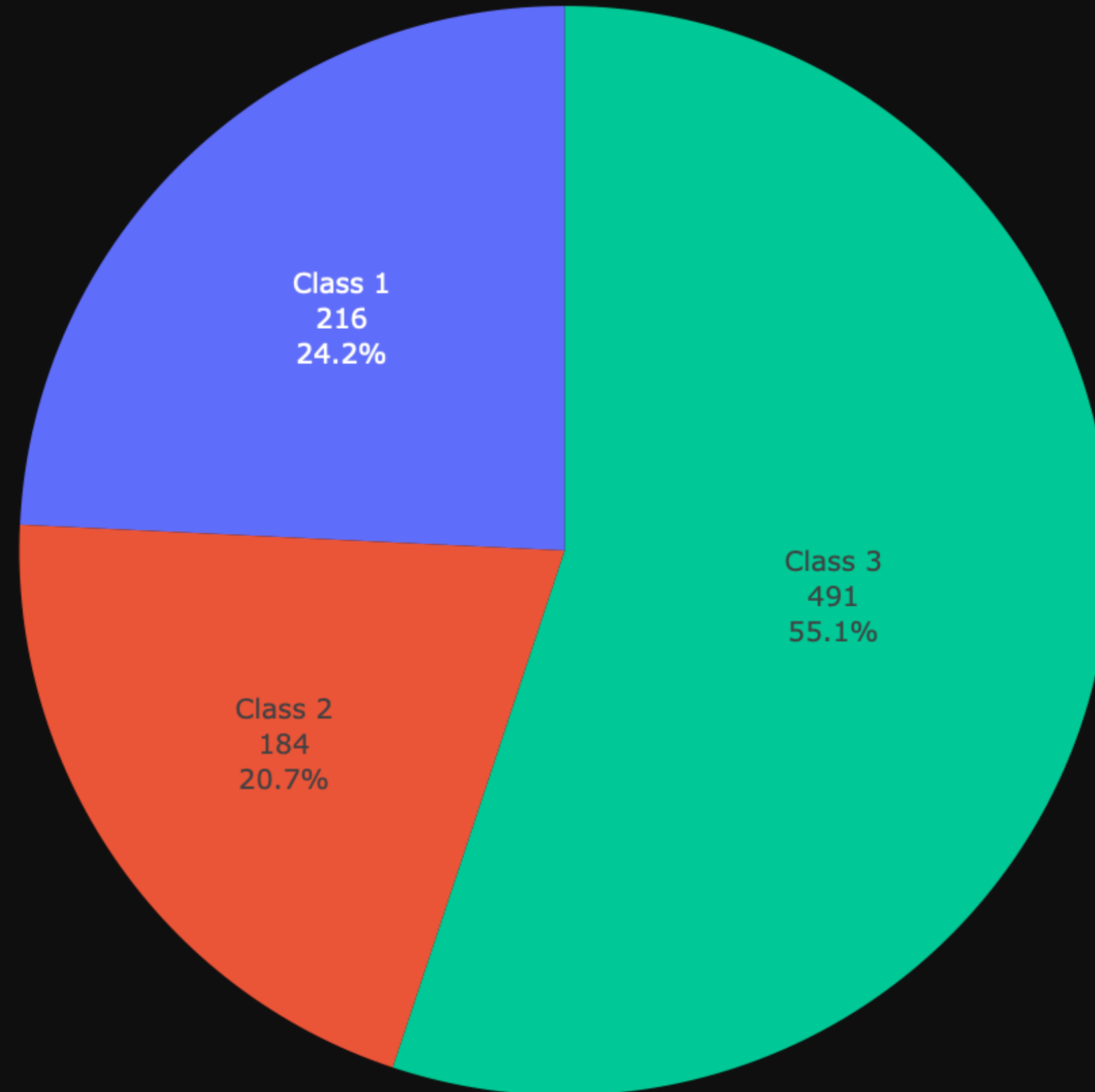




# The Embarkation is related to the survival rate?

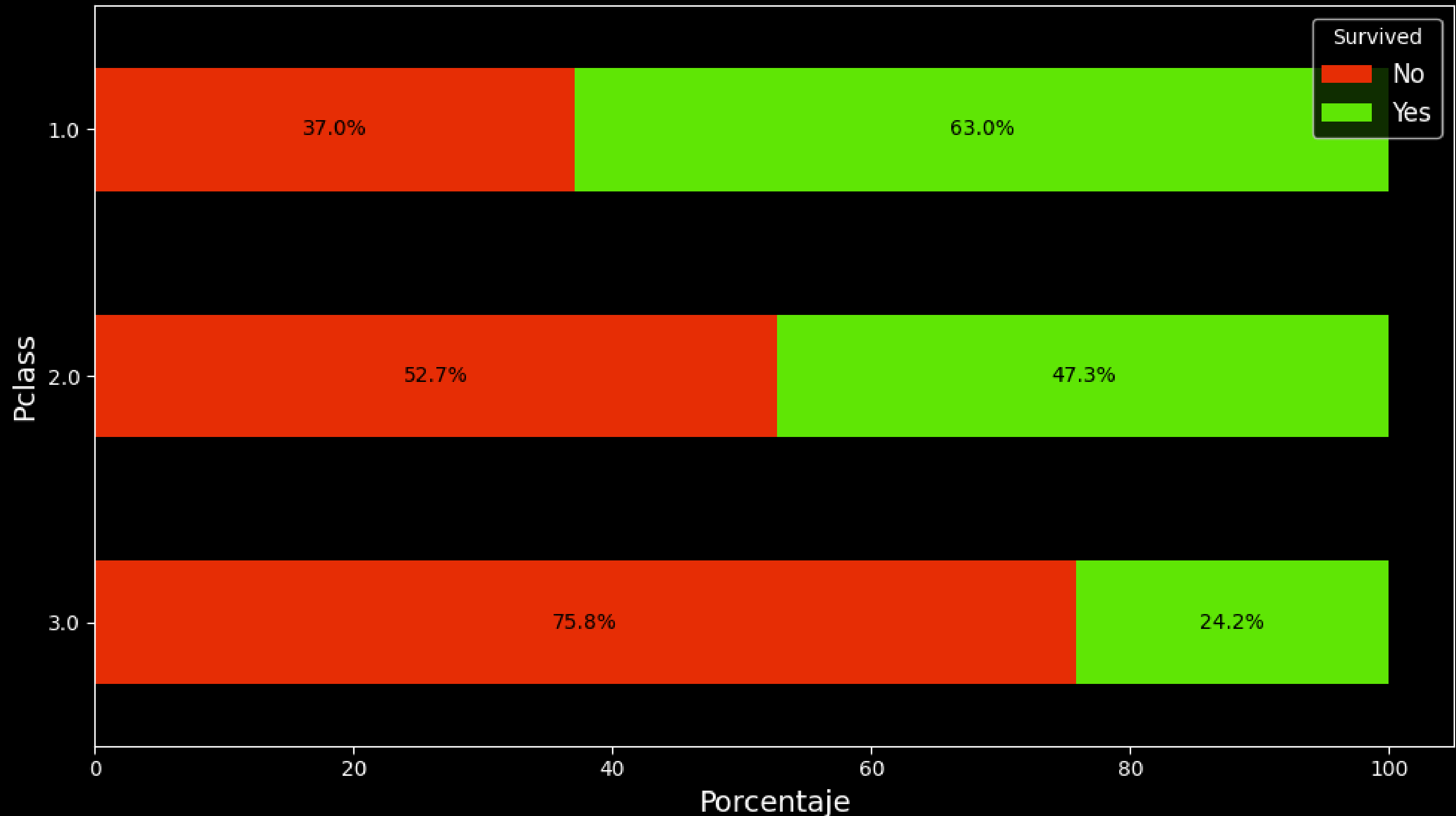


# The Passenger Class is related to the Survival Rate?



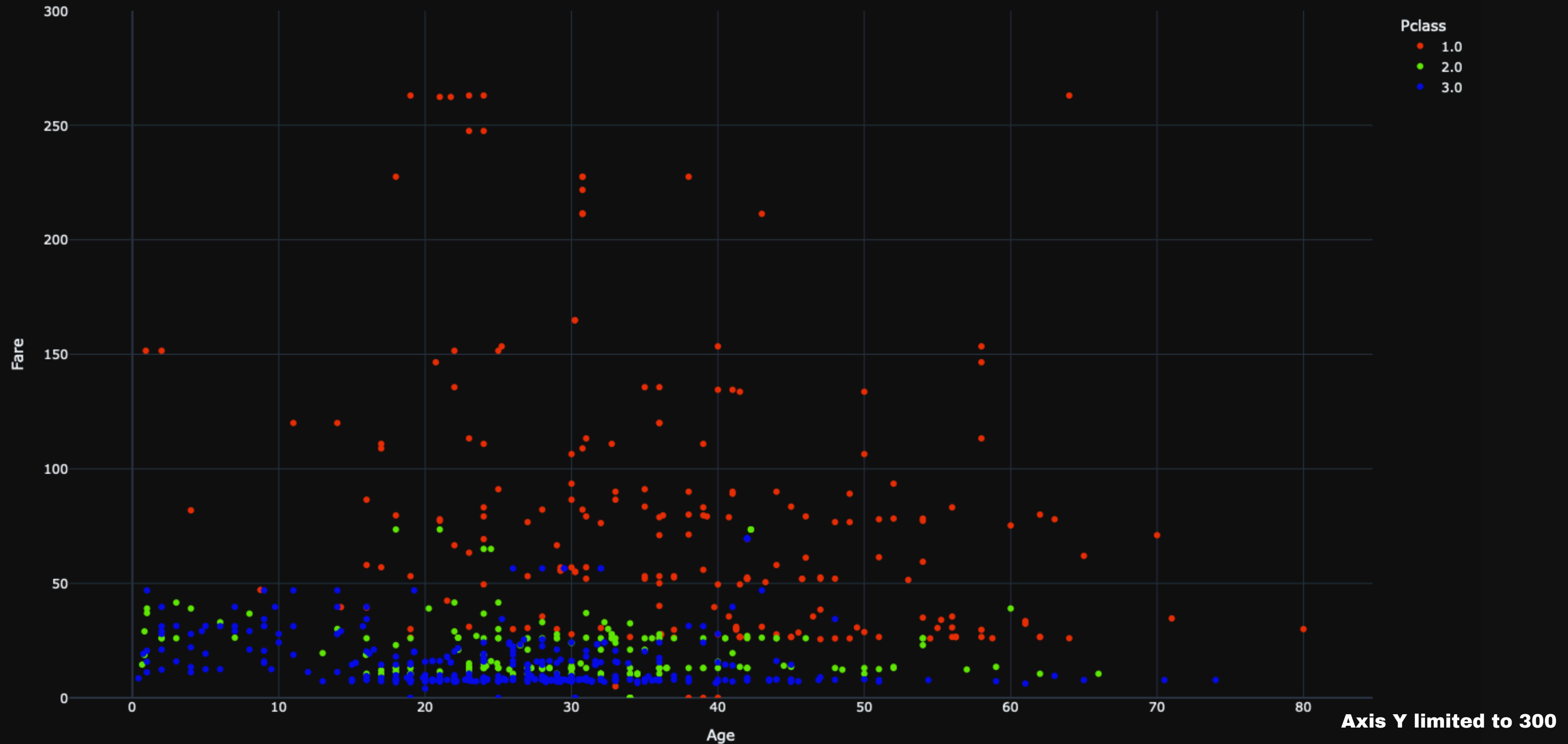
# The Passenger Class is related to the Survival Rate?

Porcentaje de Supervivientes por Pclass

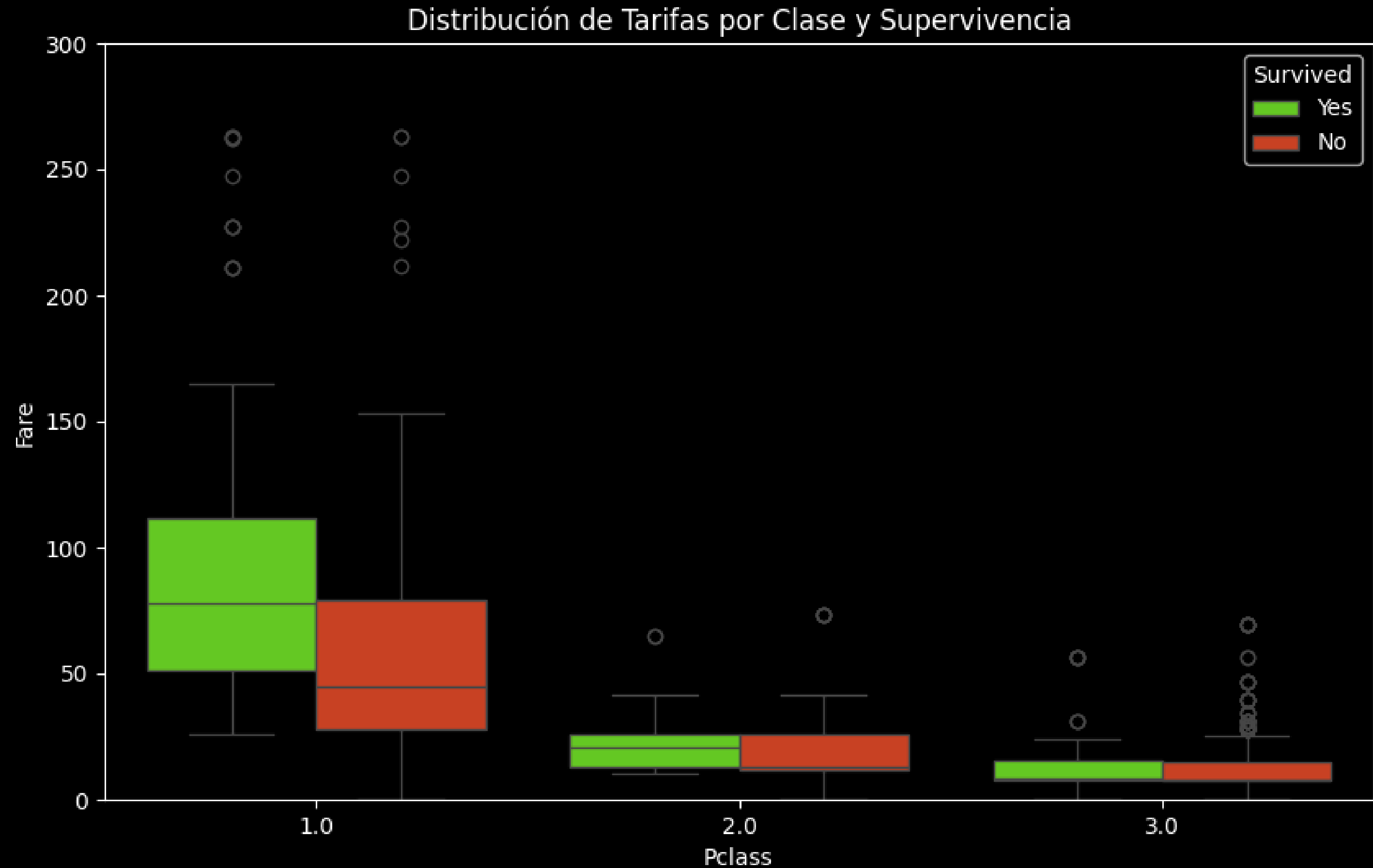


# The Fare is related to the Survival Rate?

Relación Fare vs. Age y Pclass



# The Fare is related to the Survival Rate?

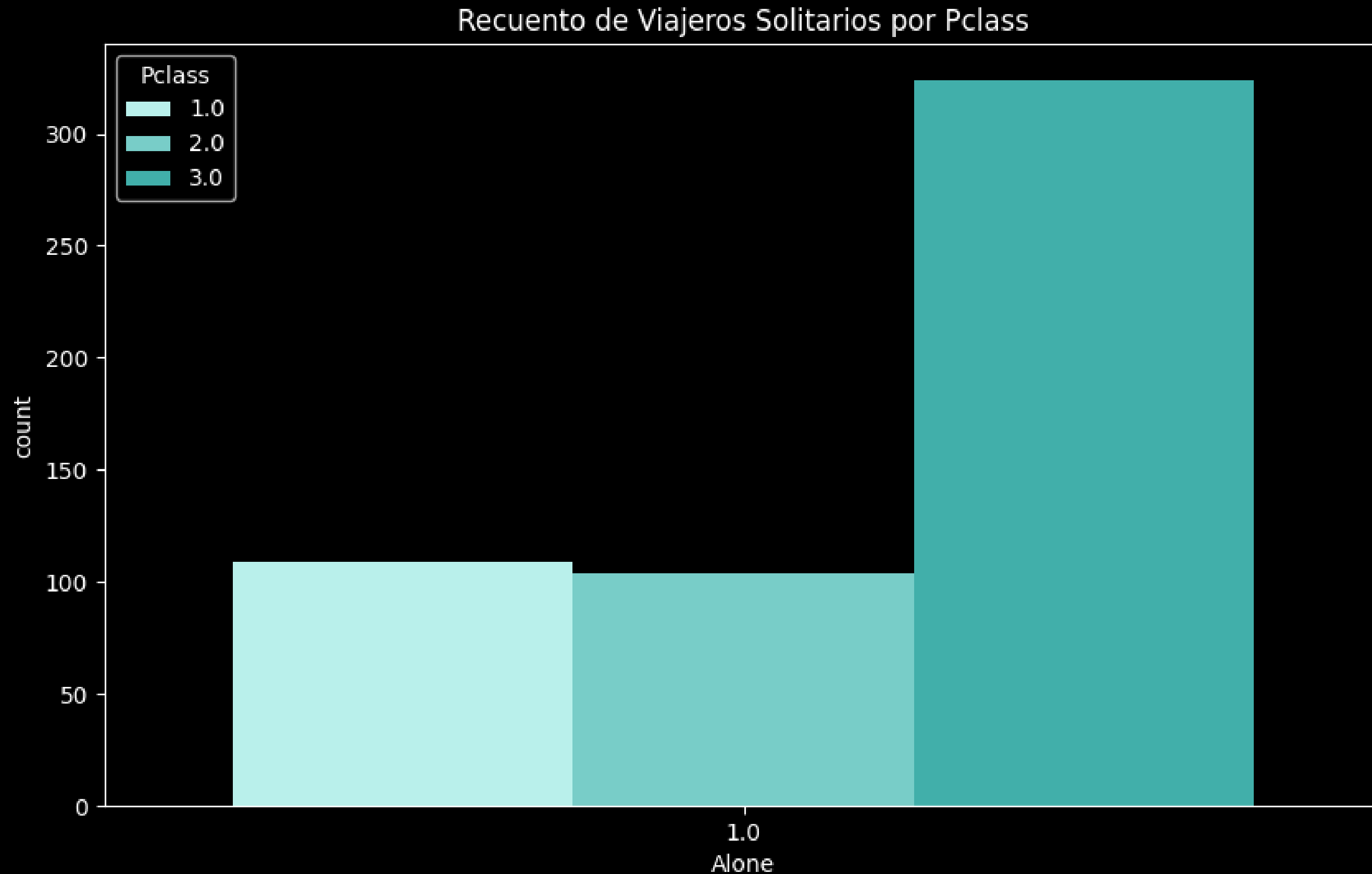


**The Family Size / Alone is related to the Survival Rate?**

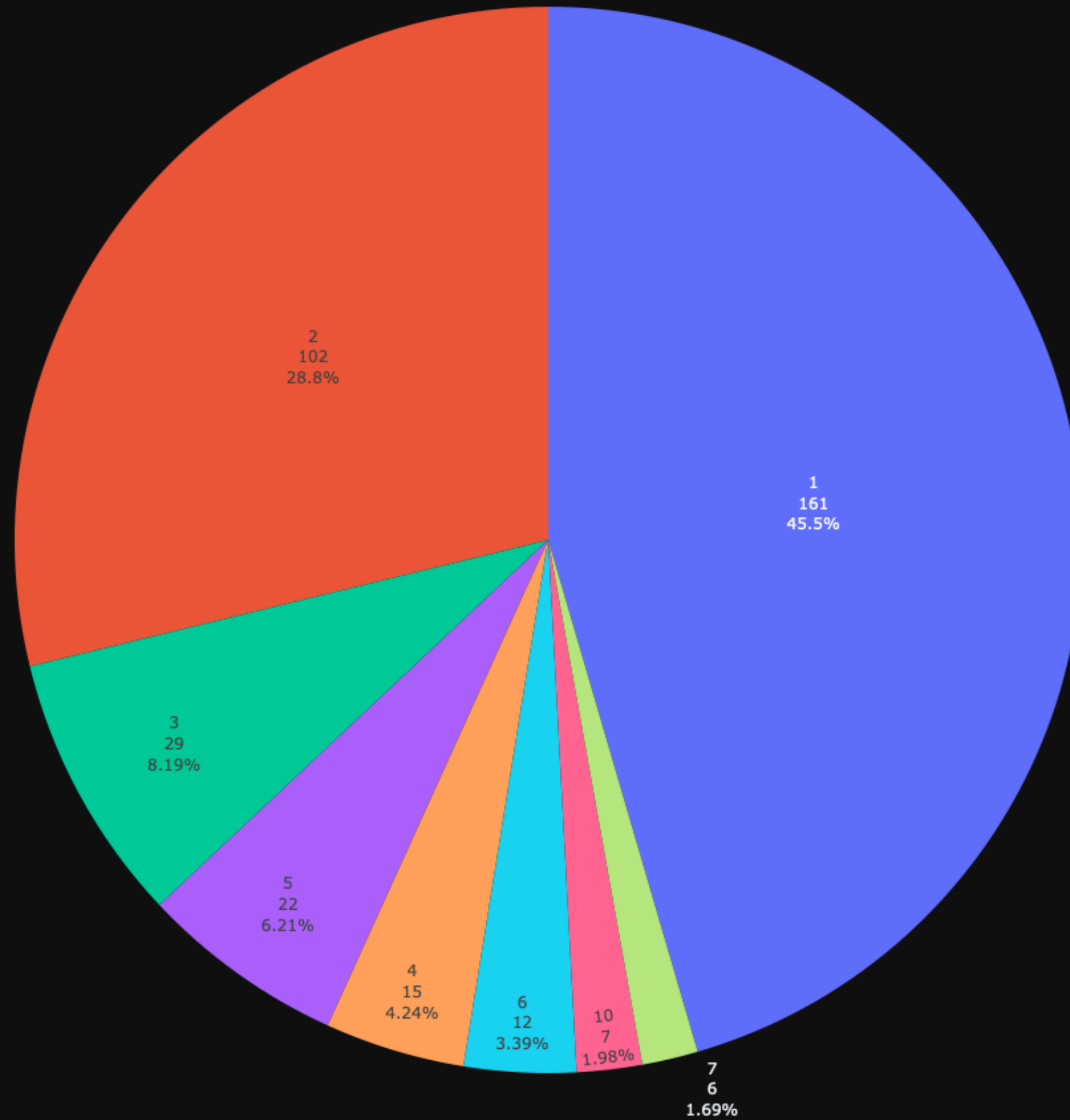
**60.27%**

Alone rate

# The Family Size / Alone is related to the Survival Rate?

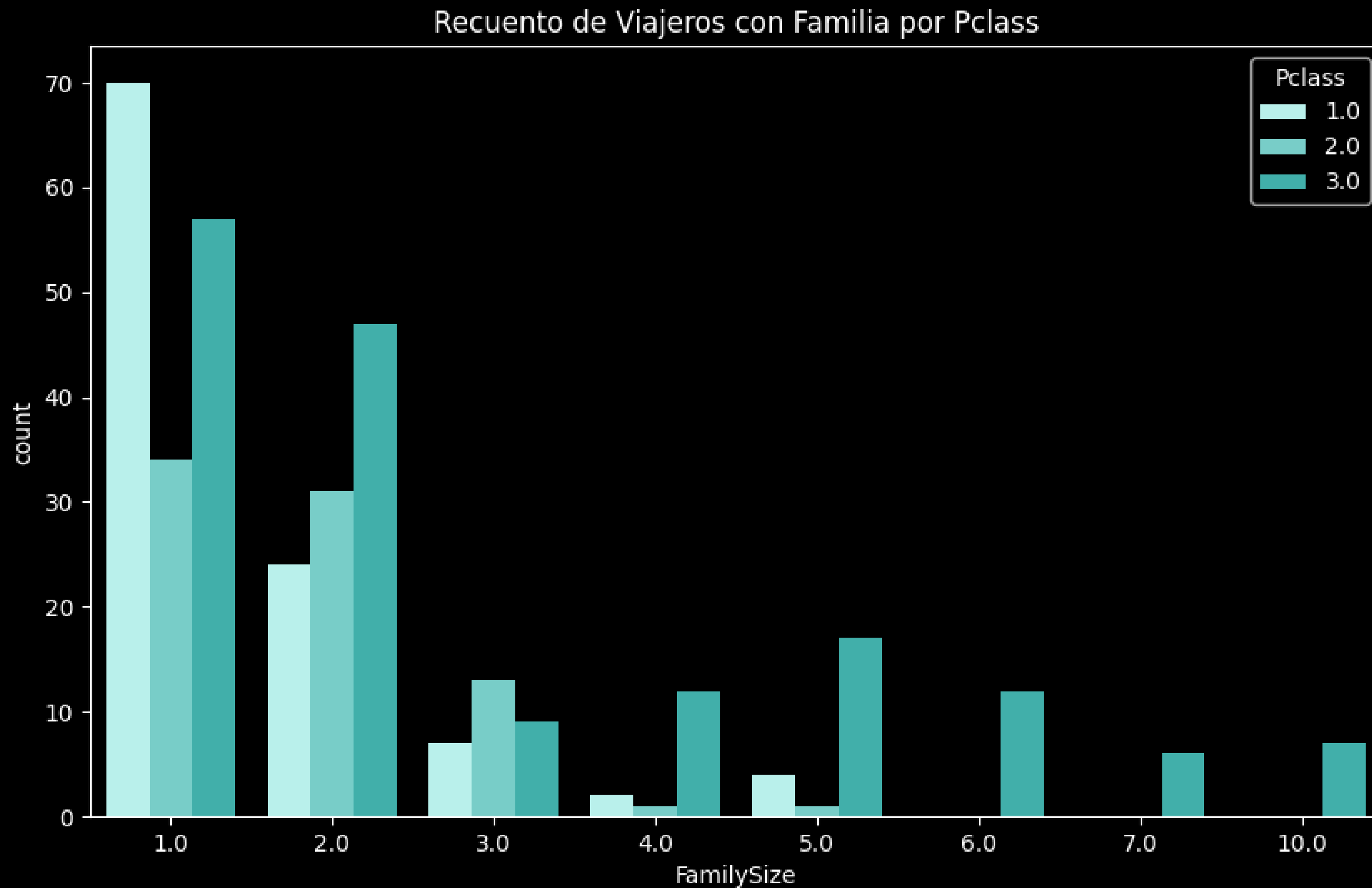


# The Family Size / Alone is related to the Survival Rate?



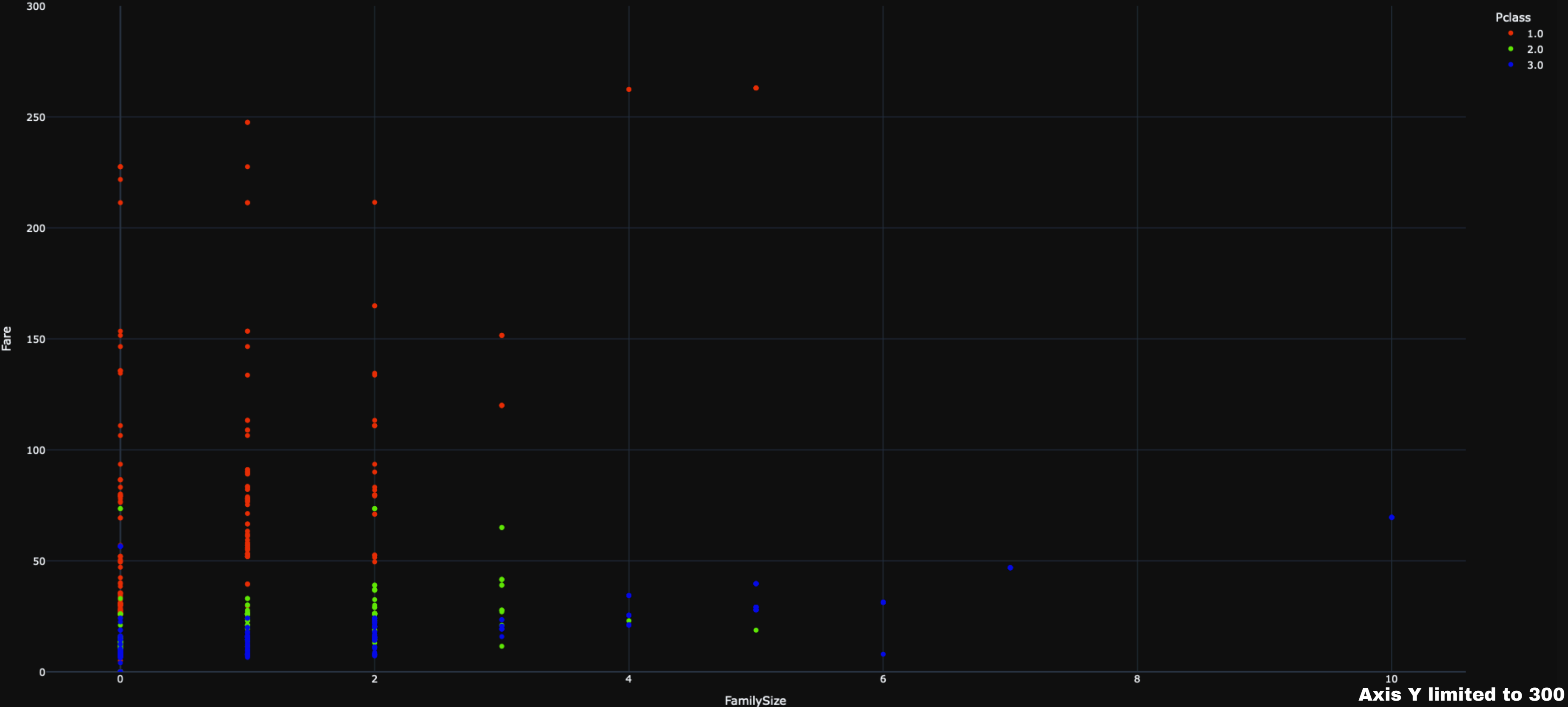


# The Family Size / Alone is related to the Survival Rate?

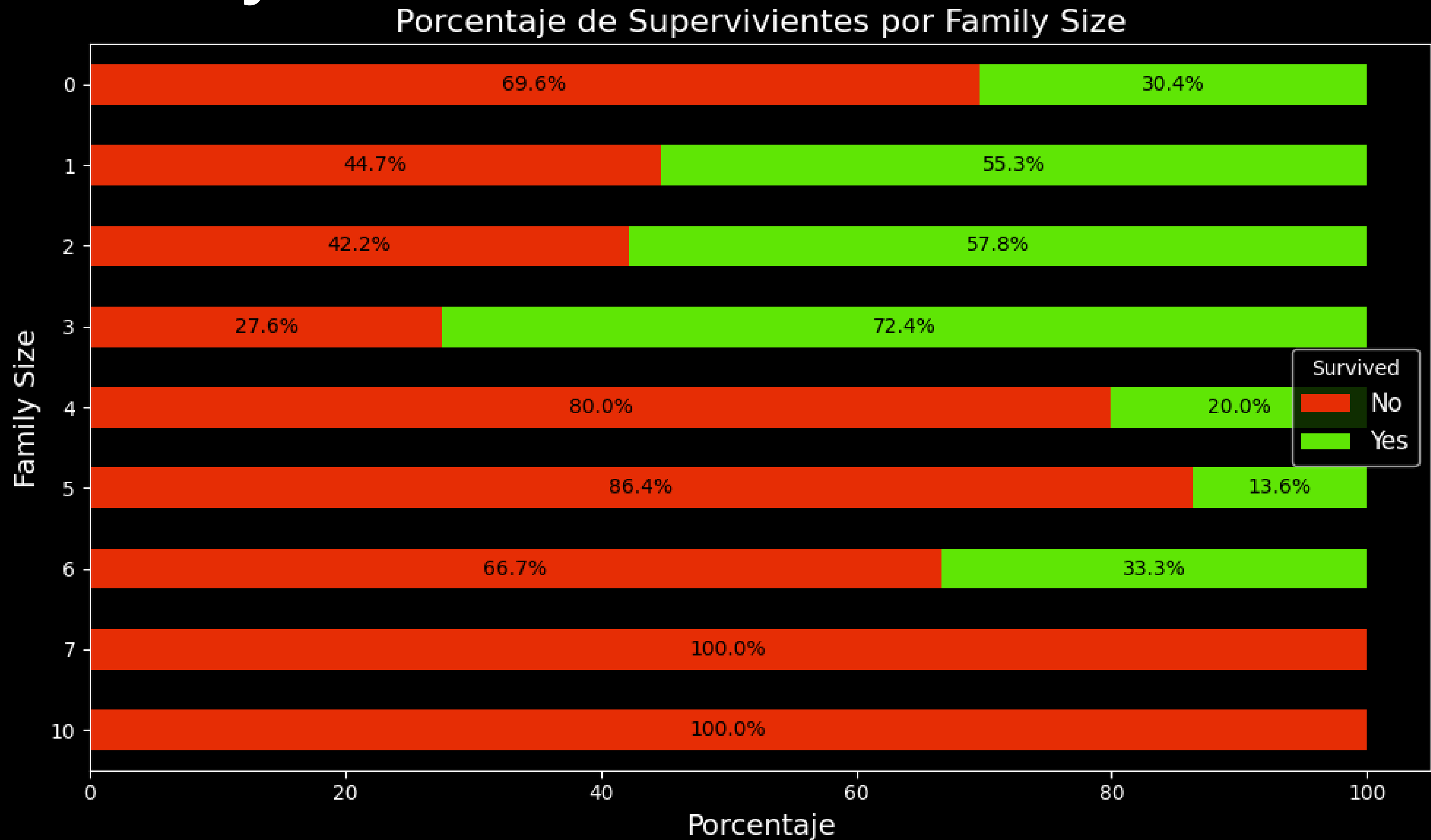


# The Family Size / Alone is related to the Survival Rate?

Relación Fare vs. FamilySize y Pclass



# The Family Size / Alone is related to the Survival Rate?



# Conclusions

- 1 Embarked: no significant difference in the ratios**
- 2 Pclass: higher survival rate on 1st Class**
- 3 Fare: closely related to Pclass**
- 4 Alone: no significant difference in the ratios**
- 5 Family Size: small size families had higher rates**

# Find here the data analysis



<https://github.com/condategui>