

# TITANIC

Marie Bai  
Hala Albahloul

INTRO

Missing  
values

Correlations

Visual

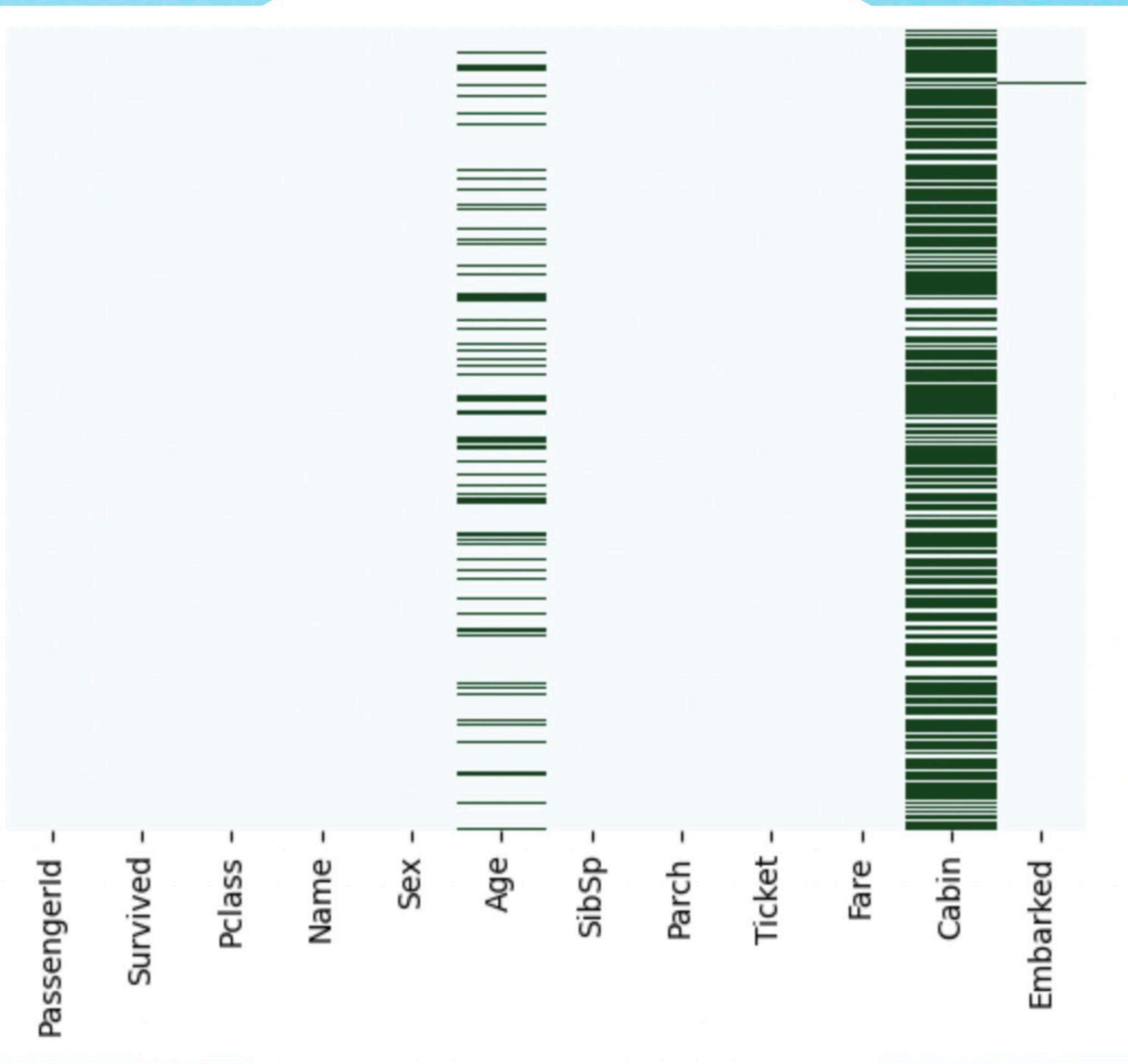
# INTRO

PassengerId	Survived	Pclass	Name			Sex	Age	SibSp	Parch	Ticket	Fare	Cabin	Embarked
0	1	0	3	Braund, Mr. Owen Harris		male	22.0	1	0	A/5 21171	7.2500	NaN	S
1	2	1	1	Cumings, Mrs. John Bradley (Florence Briggs Th... Heikkinen, Miss. Laina	(Lily May Peel)	female	38.0	1	0	PC 17599 STON/O2. 3101282	71.2833	C85	C
2	3	1	3			female	26.0	0	0		7.9250	NaN	S
3	4	1	1	Futrelle, Mrs. Jacques Heath (Lily May Peel) Allen, Mr. William Henry		female	35.0	1	0	113803	53.1000	C123	S
4	5	0	3			male	35.0	0	0	373450	8.0500	NaN	S

	PassengerId	Survived	Pclass	Age	SibSp	Parch	Fare
count	891.000000	891.000000	891.000000	714.000000	891.000000	891.000000	891.000000
mean	446.000000	0.383838	2.308642	29.699118	0.523008	0.381594	32.204208
std	257.353842	0.486592	0.836071	14.526497	1.102743	0.806057	49.693429
min	1.000000	0.000000	1.000000	0.420000	0.000000	0.000000	0.000000
25%	223.500000	0.000000	2.000000	20.125000	0.000000	0.000000	7.910400
50%	446.000000	0.000000	3.000000	28.000000	0.000000	0.000000	14.454200
75%	668.500000	1.000000	3.000000	38.000000	1.000000	0.000000	31.000000
max	891.000000	1.000000	3.000000	80.000000	8.000000	6.000000	512.329200

	<b>PassengerId</b>	<b>Survived</b>	<b>Pclass</b>	<b>Age</b>	<b>SibSp</b>	<b>Parch</b>	<b>Fare</b>
<b>count</b>	891.000000	891.000000	891.000000	714.000000	891.000000	891.000000	891.000000
<b>mean</b>	446.000000	0.383838	2.308642	29.699118	0.523008	0.381594	32.204208
<b>std</b>	257.353842	0.486592	0.836071	14.526497	1.102743	0.806057	49.693429
<b>min</b>	1.000000	0.000000	1.000000	0.420000	0.000000	0.000000	0.000000
<b>25%</b>	223.500000	0.000000	2.000000	20.125000	0.000000	0.000000	7.910400
<b>50%</b>	446.000000	0.000000	3.000000	28.000000	0.000000	0.000000	14.454200
<b>75%</b>	668.500000	1.000000	3.000000	38.000000	1.000000	0.000000	31.000000
<b>max</b>	891.000000	1.000000	3.000000	80.000000	8.000000	6.000000	512.329200

# Missing values



AGE

EMBARKED

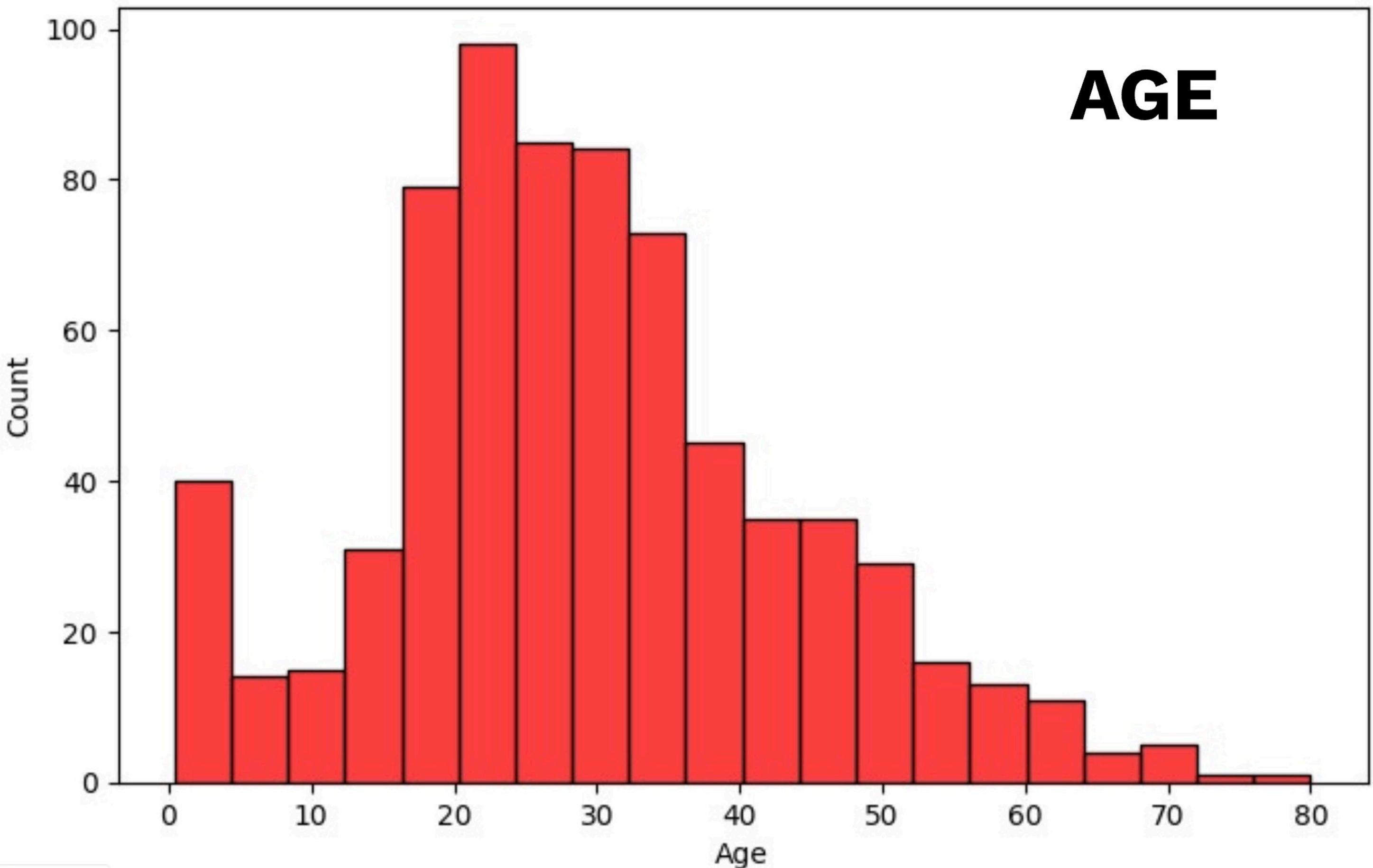
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Survived	0	
Pclass	0	
Name	0	
Sex	0	
Age	177	
SibSp	0	
Parch	0	
Ticket	0	
Fare	0	
Cabin	687	
Embarked	2	
PassengerId	-	
Survived	-	
Pclass	-	
Name	-	
Sex	-	
Age	-	
SibSp	-	
Parch	-	
Ticket	-	
Fare	-	
Cabin	-	
Embarked	-	

AGE

EMBARKED

29.69911764705882

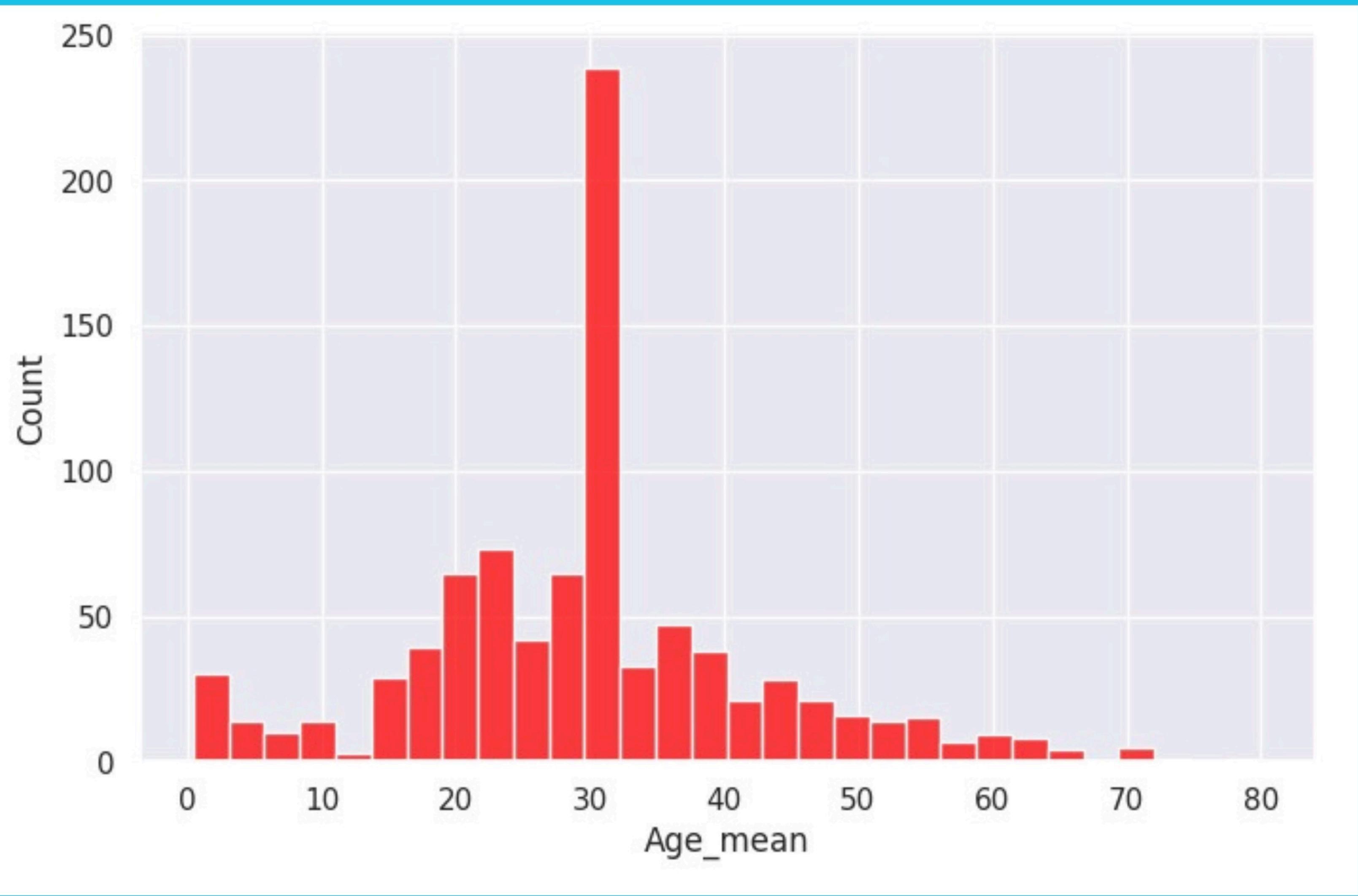


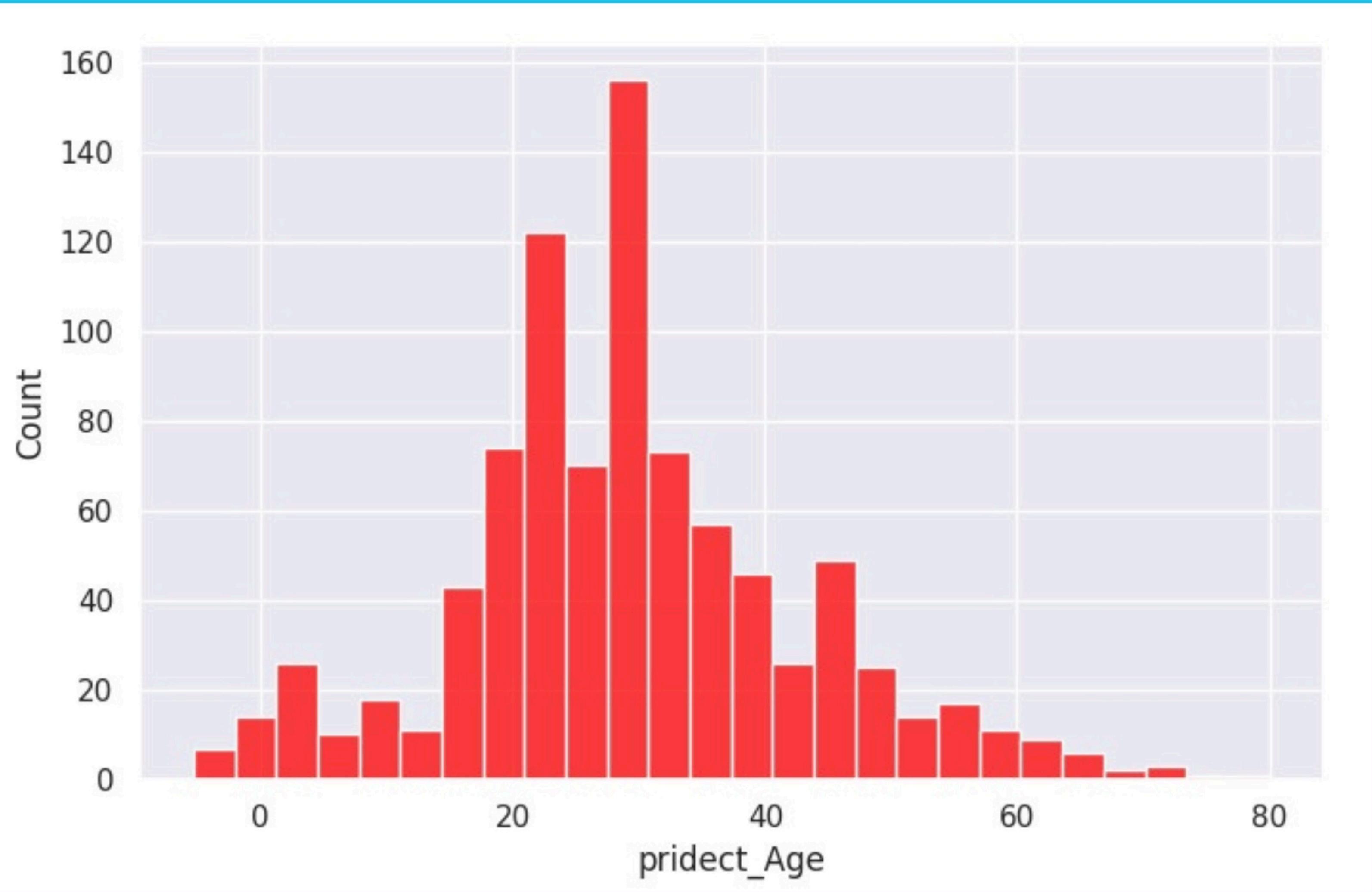
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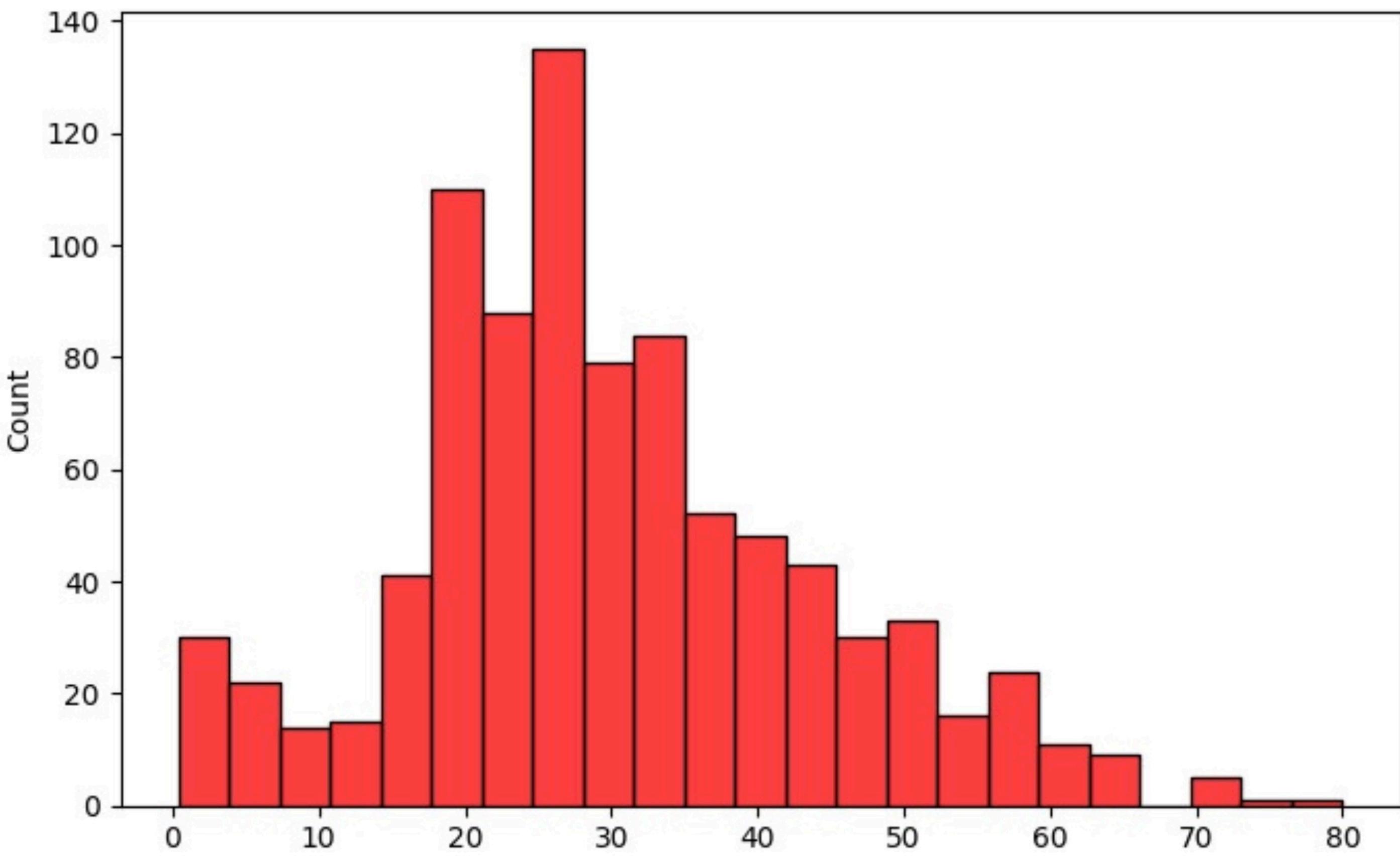
**Using the  
mean value**

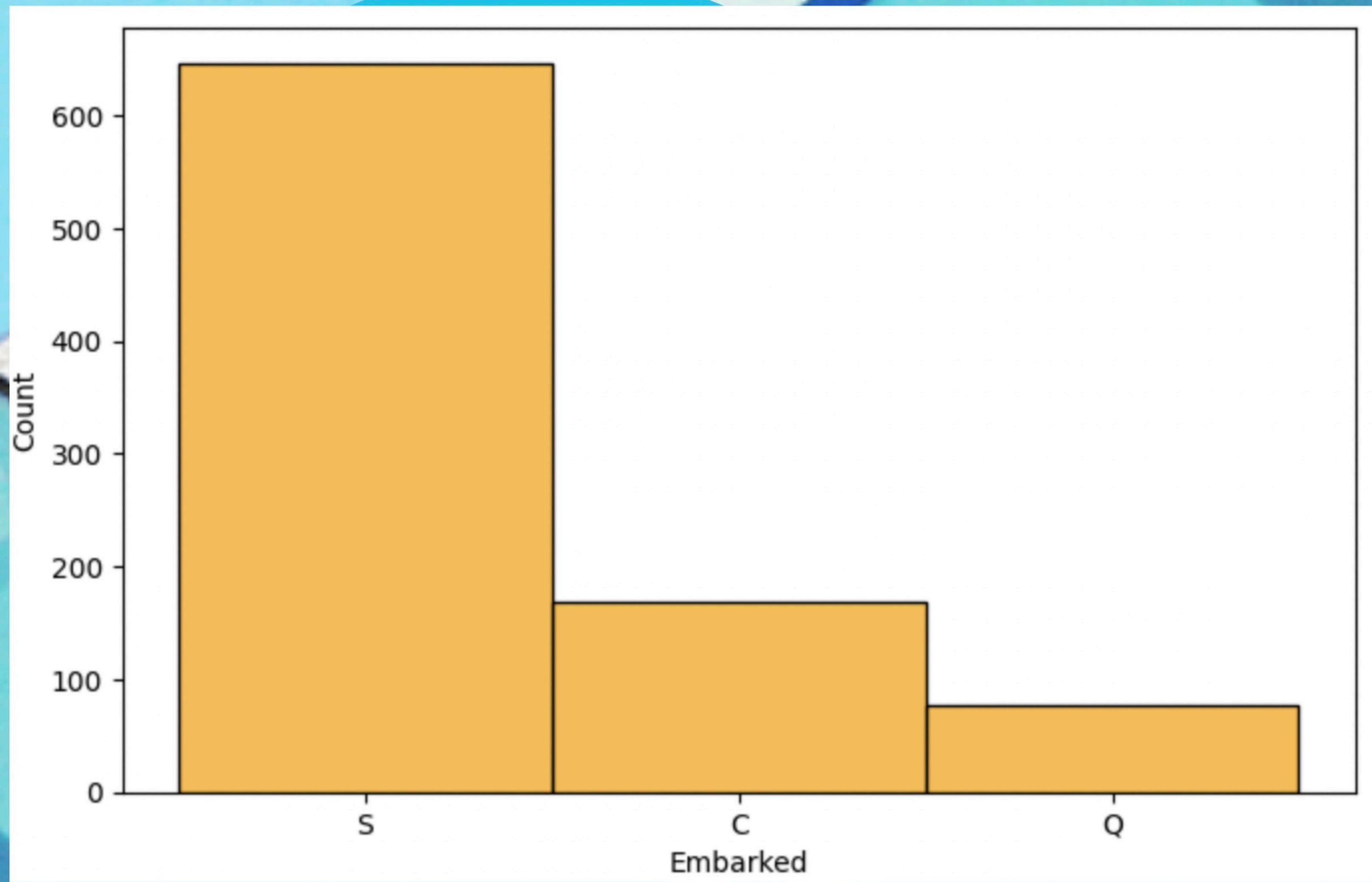
**Using  
Linear  
Regression**

**Using  
KNN**

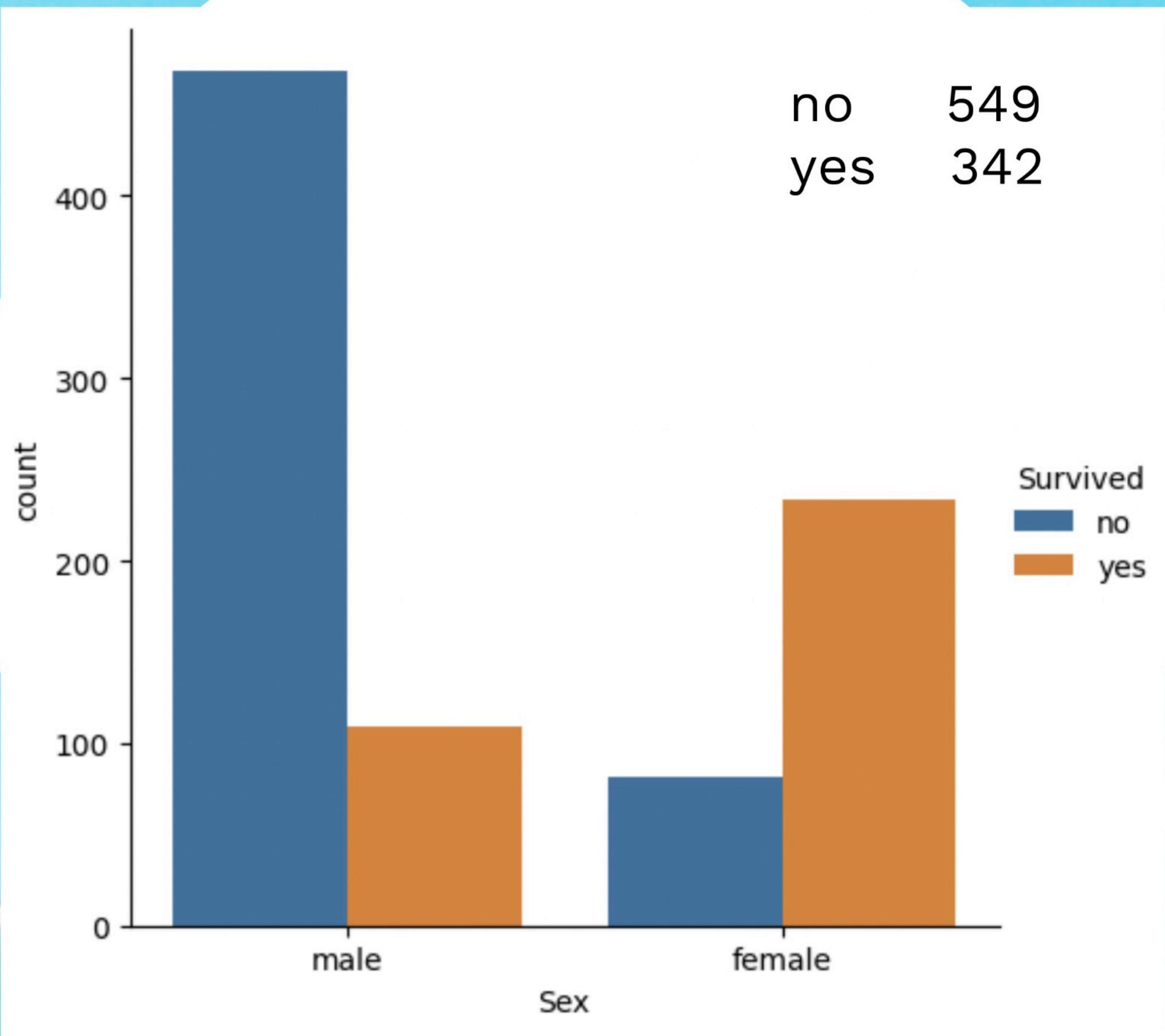






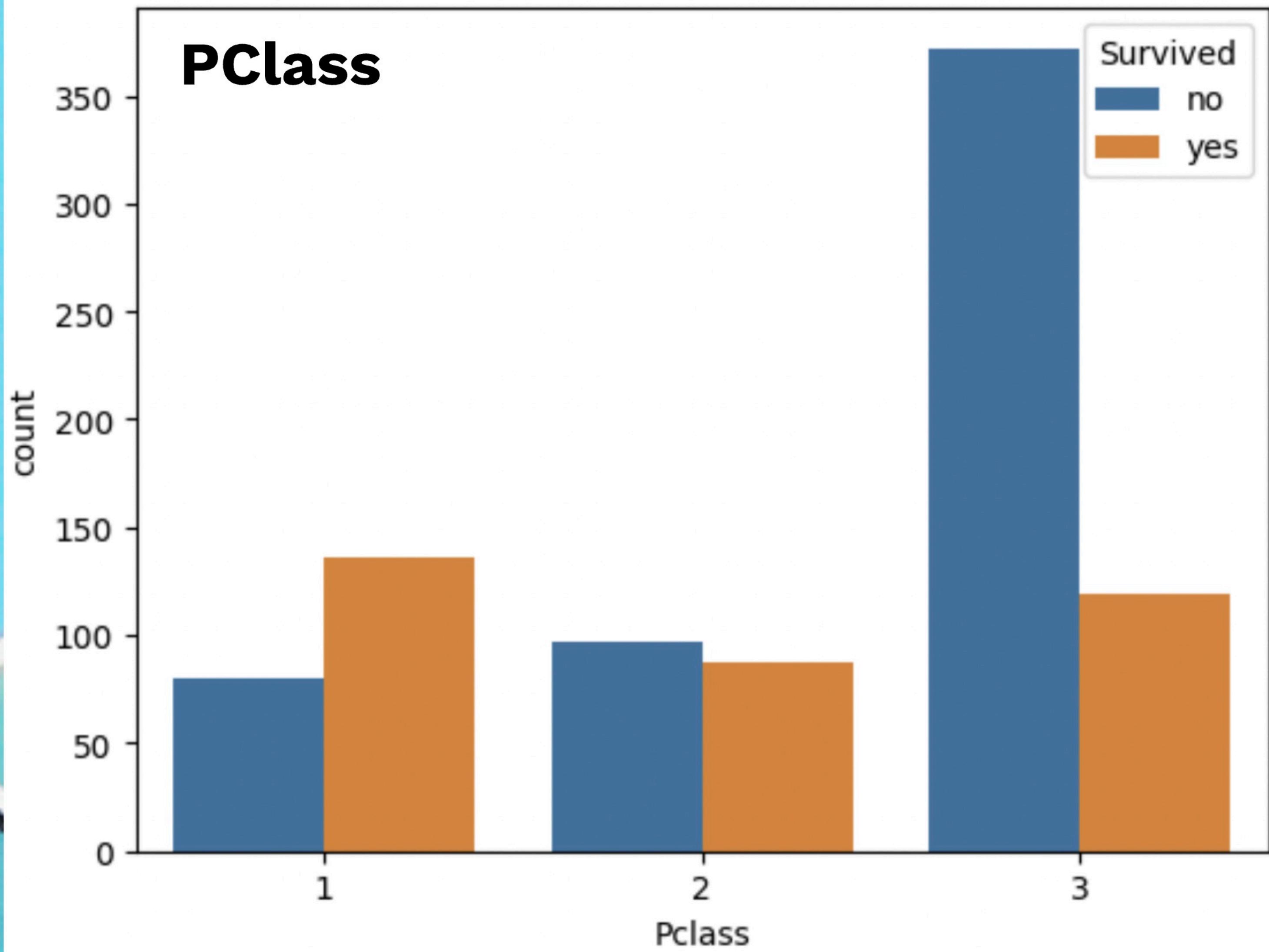


# Correlation

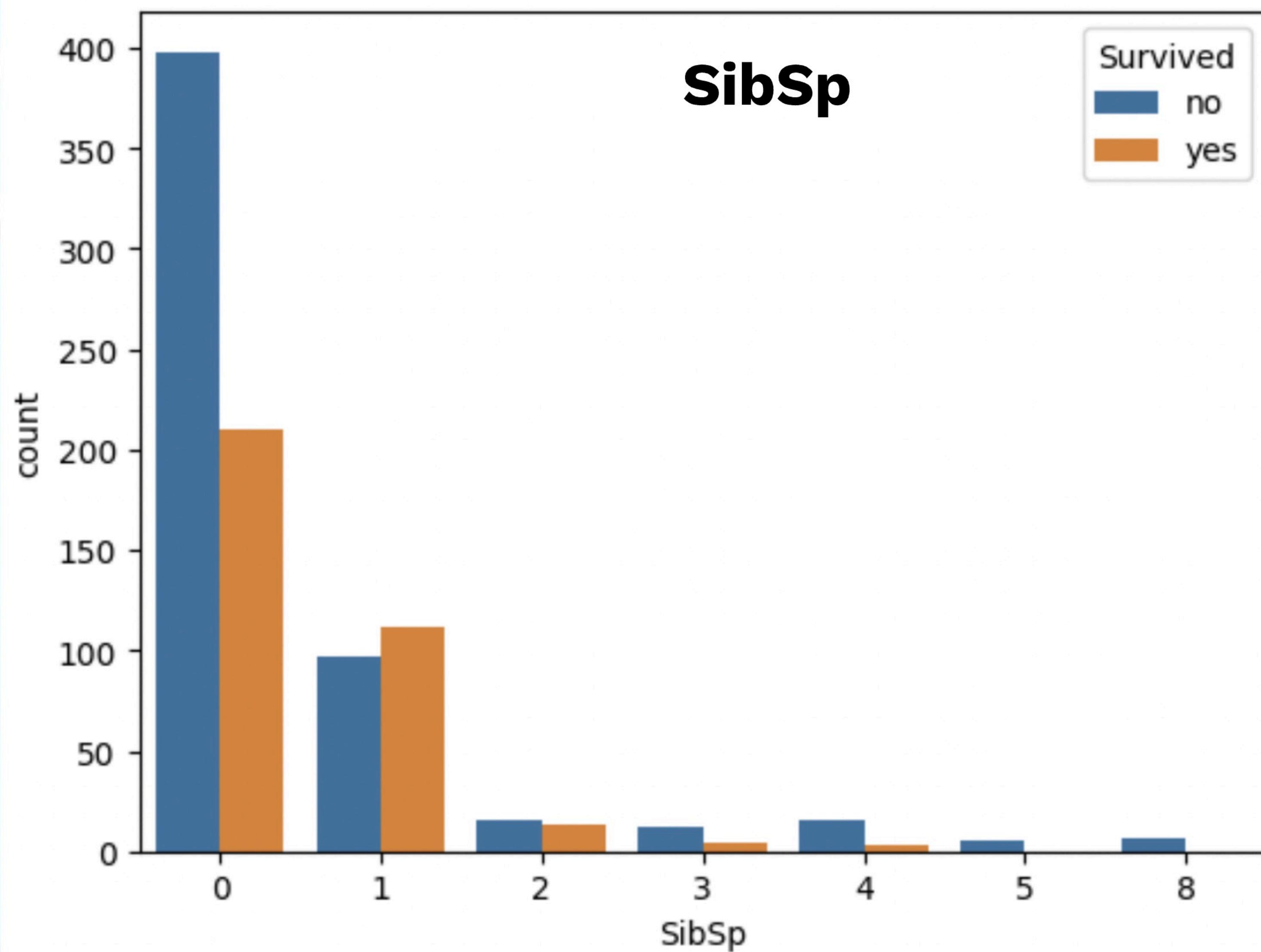


PClass

SibSp

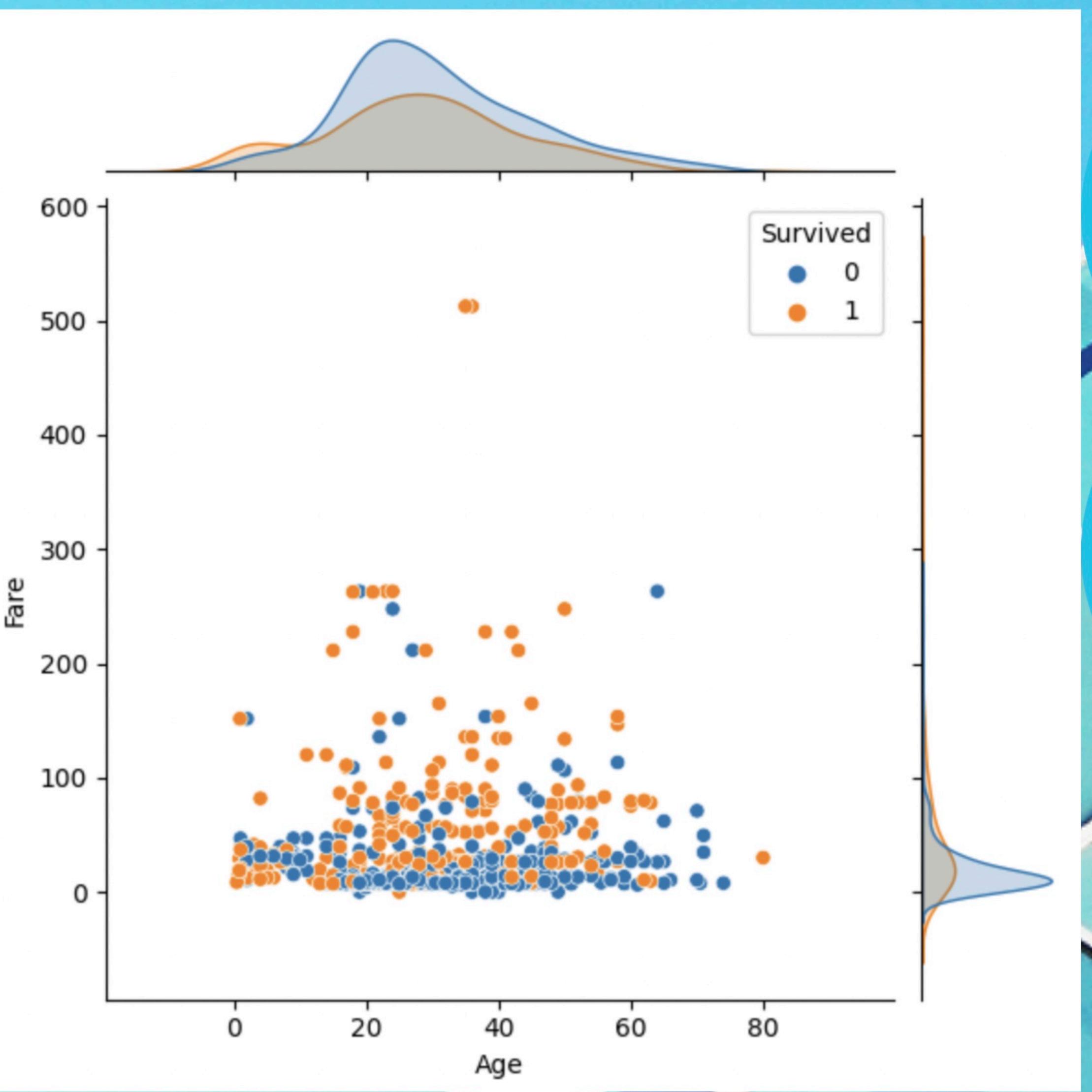


# SibSp



# VISUAL

The  
end

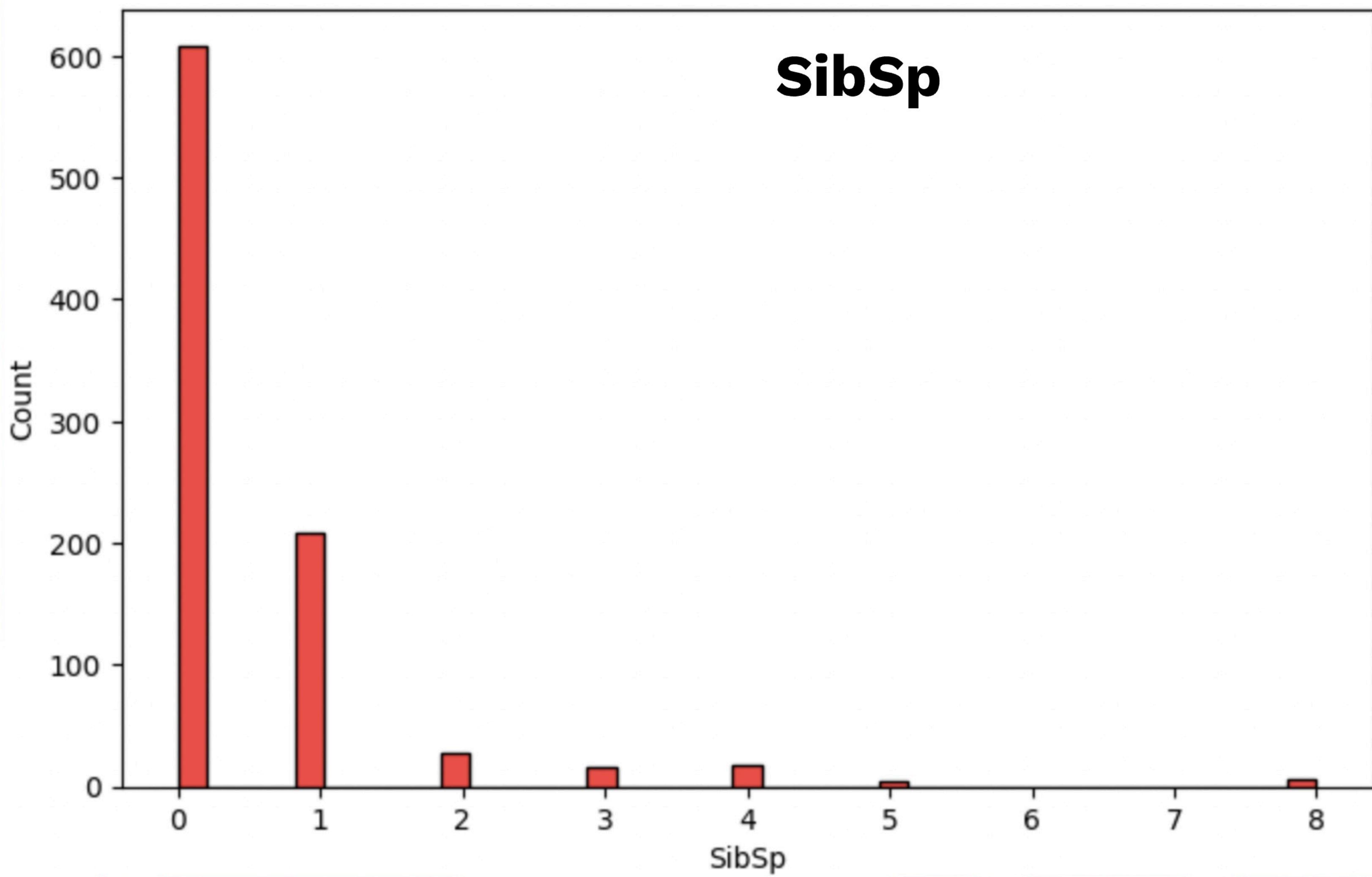


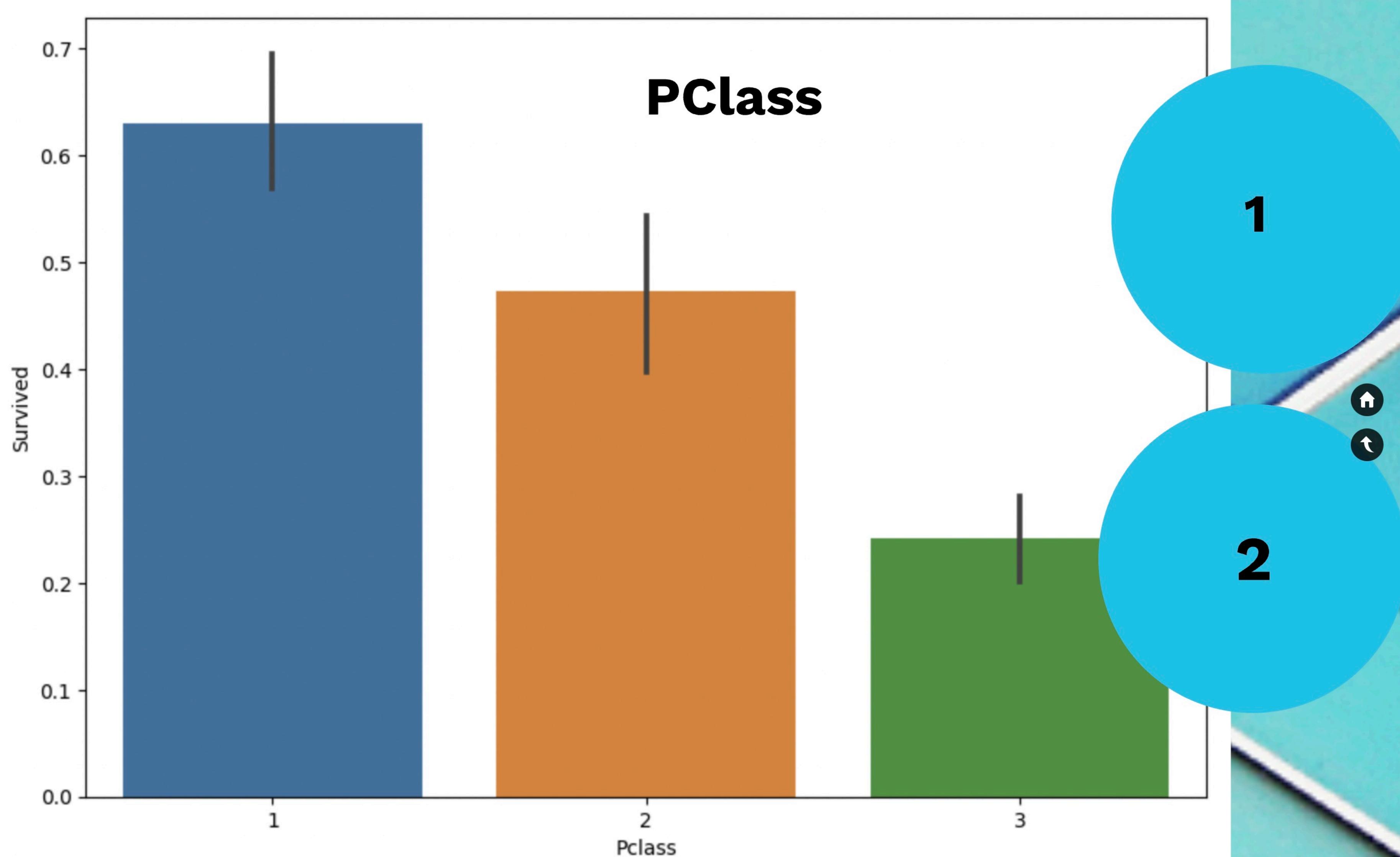
SibSp

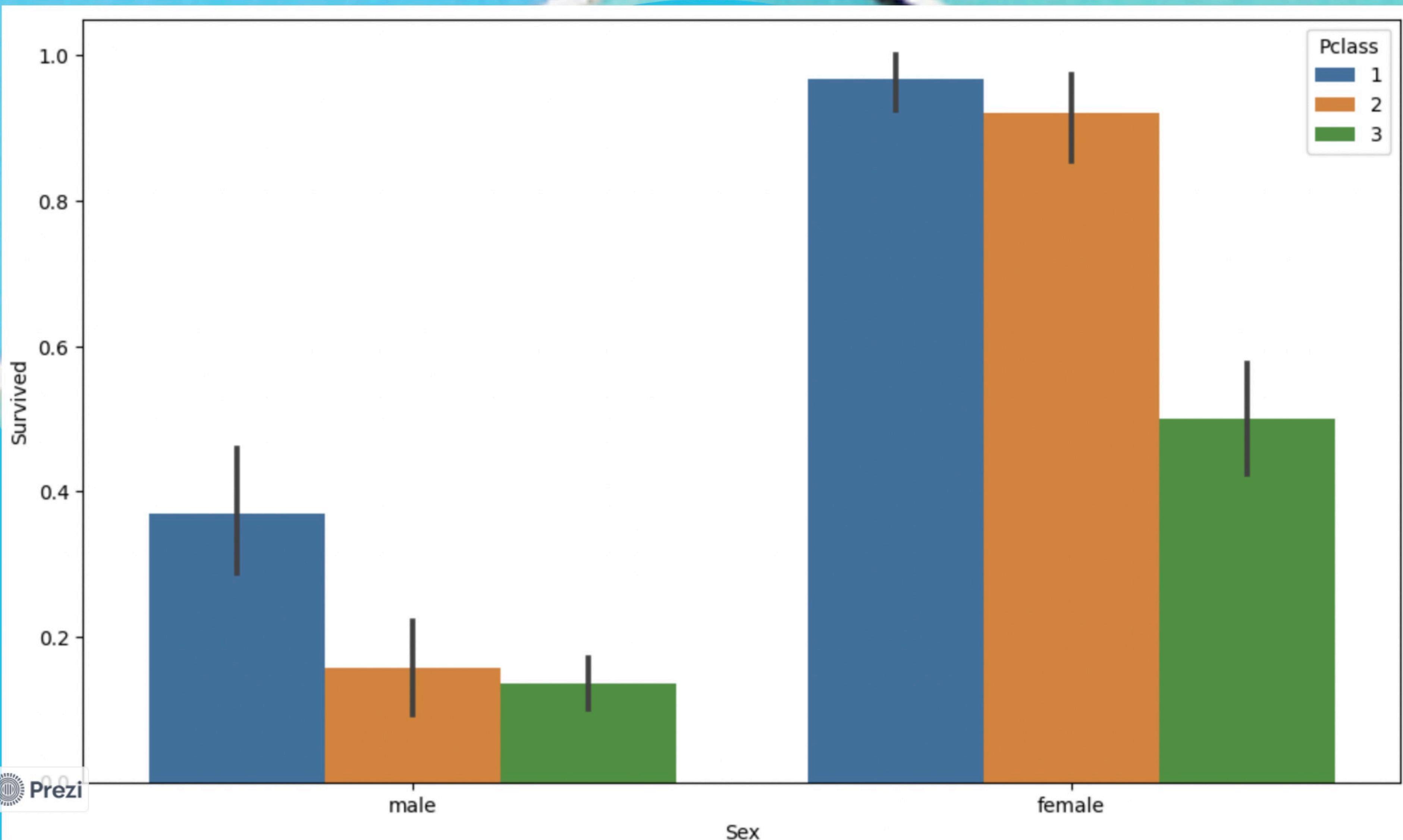
PClass

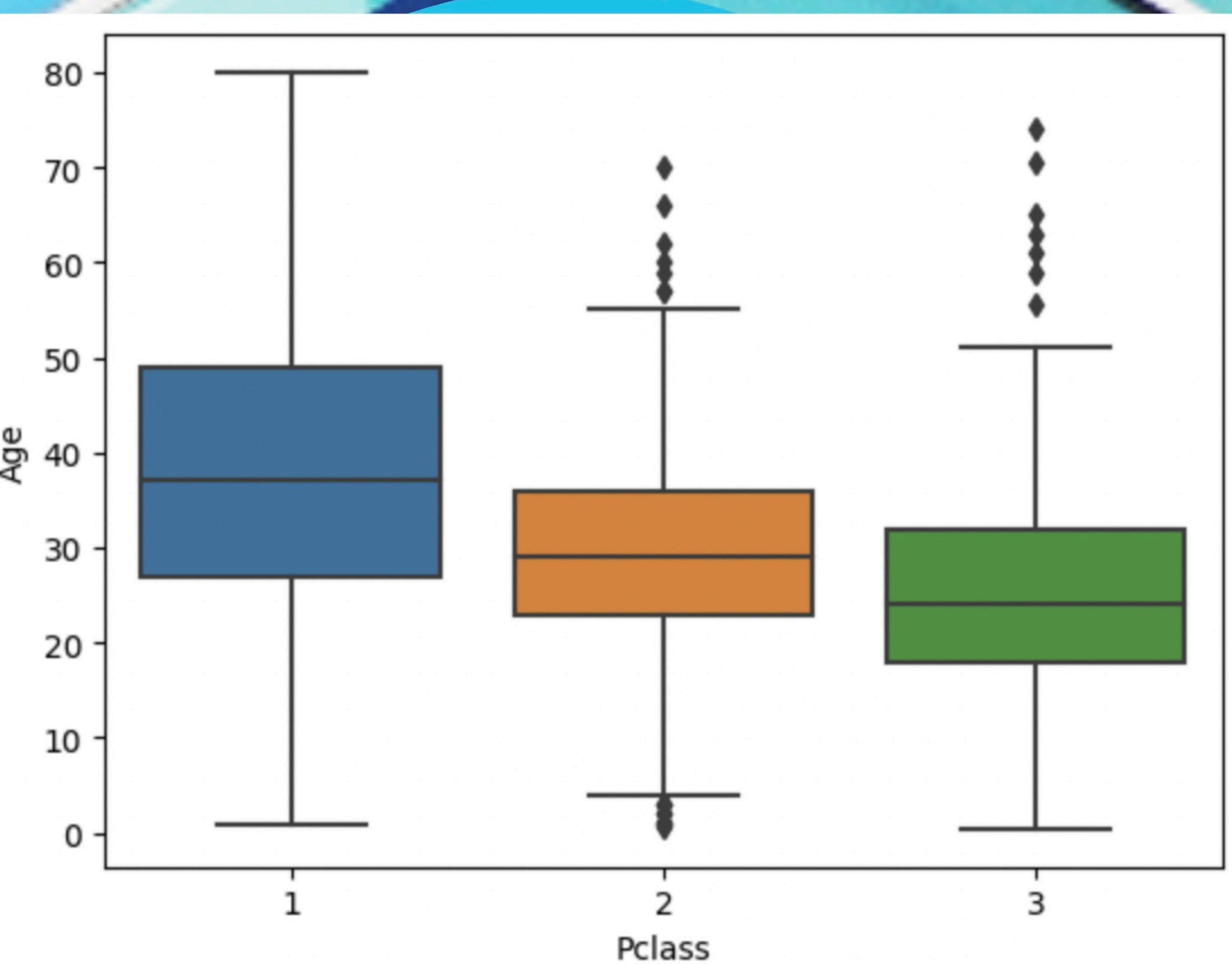
Parch

# SibSp

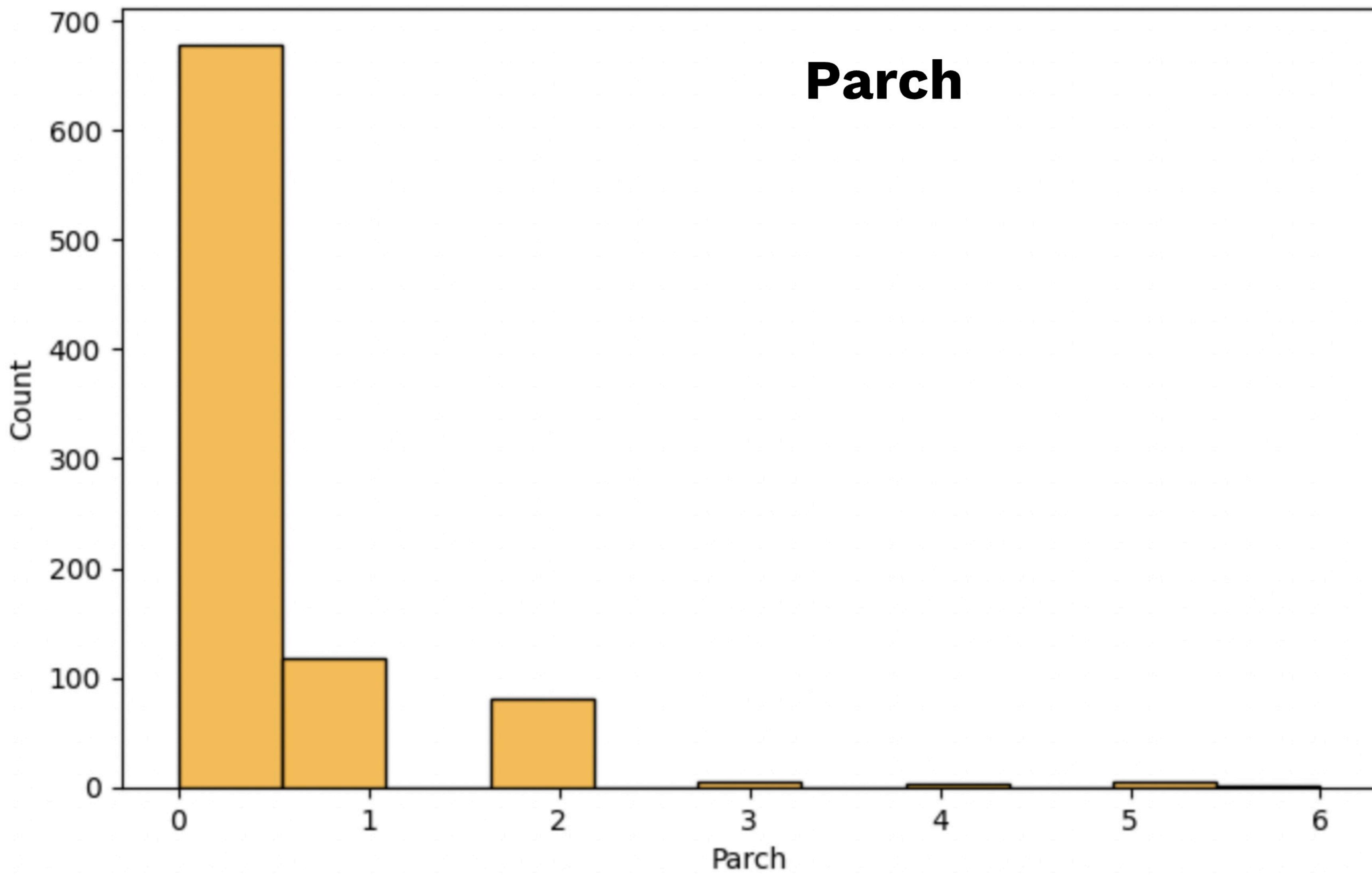








# Parch





# TITANIC

Marie Bai  
Hala Albahloul

INTRO

Missing  
values

Correlations

Visual