CSV Data Analysis & Visualization

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Titanic-Dataset.csv 15.4KB

Dataset Overview

Number of rows: 229

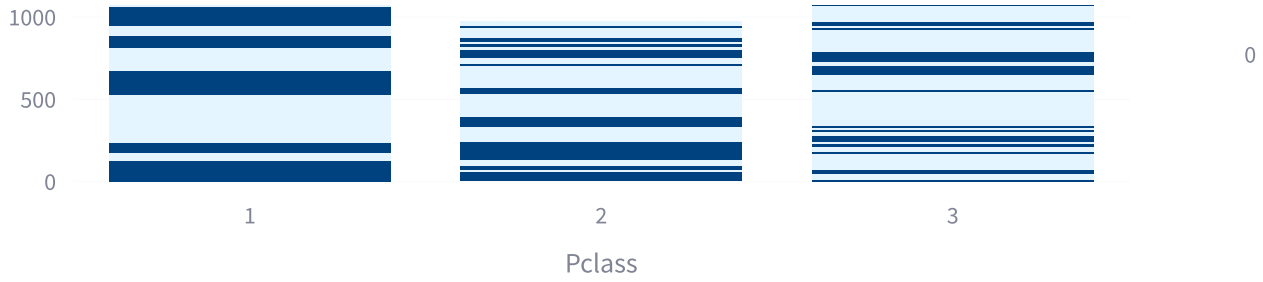
Number of columns: 12

Preview of Data

		Sex	Age	SibSp	Parch	Ticket	Fare	Cabin	Embarked
0		male	22	1	0	A/5 21171	7.25	None	S
1	ɔrence Briggs Thayer)	female	38	1	0	PC 17599	71.2833	C85	C
2		female	26	0	0	STON/O2. 3101282	7.925	None	S
3	ly May Peel)	female	35	1	0	113803	53.1	C123	S
4		male	35	0	0	373450	8.05	None	S

Visualization 1

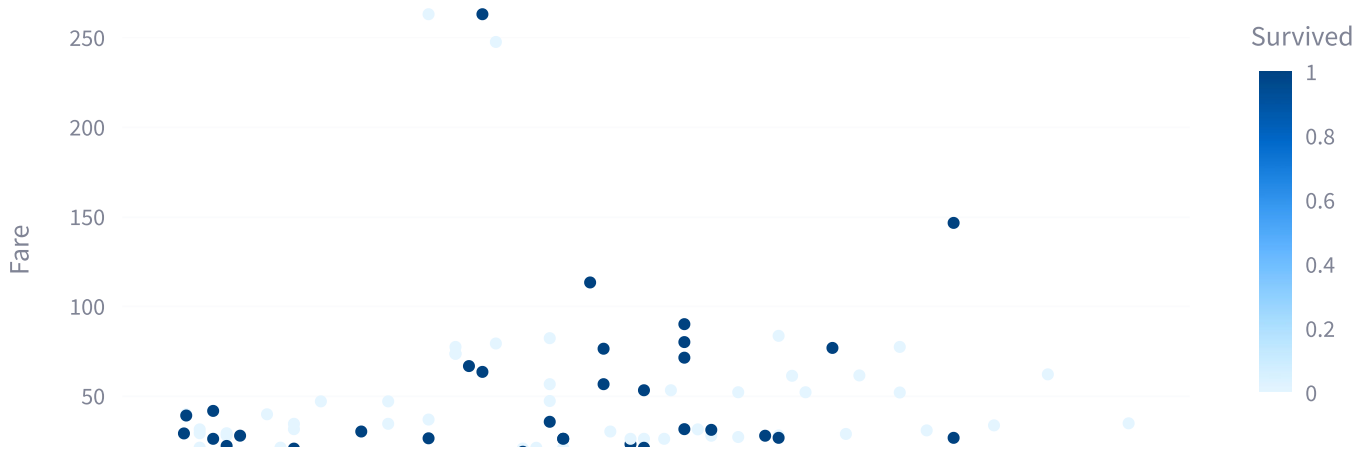
```
import plotly.express as px
import pandas as pd
df = pd.read_csv('temp.csv')
fig = px.bar(df, x='Pclass', y='Fare', color='Survived', barmode='group', title='S
```



Visualization 2

```
import plotly.express as px
import pandas as pd
df = pd.read_csv('temp.csv')
fig = px.scatter(df, x='Age', y='Fare', color='Survived', title='Scatter Plot of A
```

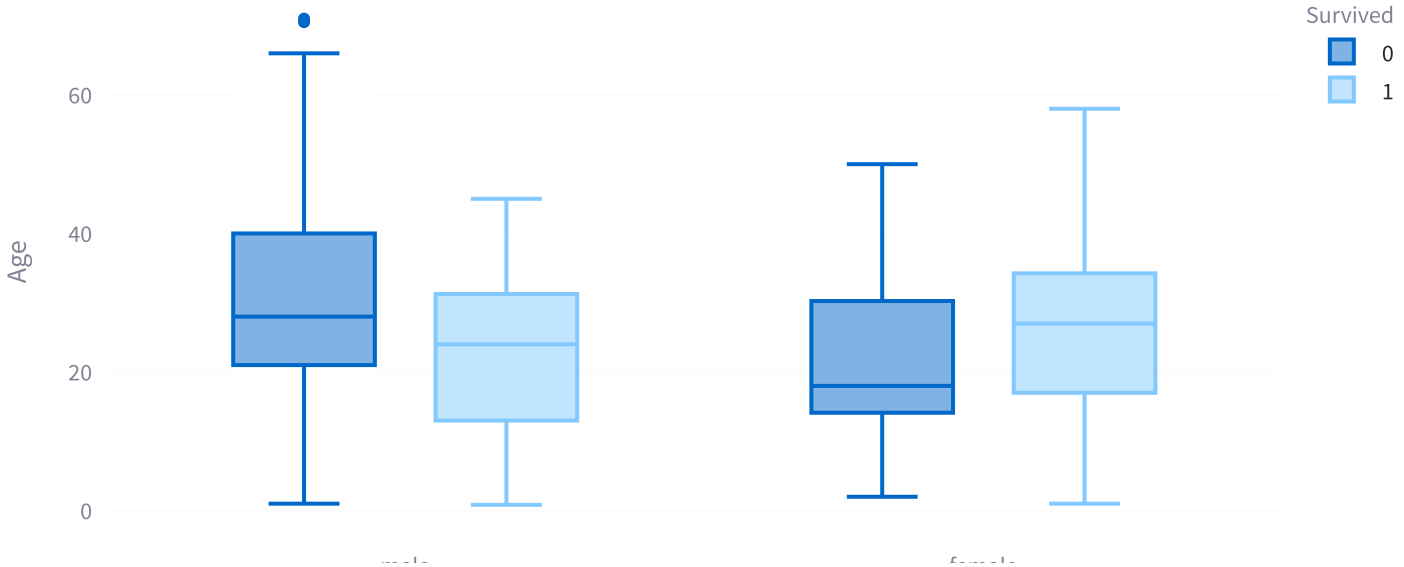
Scatter Plot of Age vs Fare with Survival Status



Visualization 3

```
import plotly.express as px
import pandas as pd
df = pd.read_csv('temp.csv')
fig = px.box(df, x='Sex', y='Age', color='Survived', title='Box Plot of Age Distri
```

Box Plot of Age Distribution by Gender and Survival Status



Visualization 4

```
import plotly.express as px
import pandas as pd
df = pd.read_csv('temp.csv')
fig = px.line(df.groupby('Embarked')['Survived'].mean().reset_index(), x='Embarked
```

Survival Rate by Port of Embarkation