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```
import pandas as pd
import plotly.express as PX
import plotly.graph_objects as go
import plotly.io as pio
pio.templates.default = "plotly_white"
```

```
data = pd.read_csv("t20-wor1d-cup-22.csv")
print(data.head())
```

venue	team1	team2	stage	toss winner
SCG	New Zealand	Australia	Super 12	Australia
1 Optus Stadium	Afghanistan	England	Super 12	England
2 Blundstone Arena	Ireland	Sri lanka	Super 12	Ireland
3 MCG	Pakistan	India	Super 12	India
4 Blundstone Arena	Bangladesh	Netherlands	Super 12	Netherlands

toss decision	first innings score	first innings wickets
Field	200.0	3.0
1	Field	112.0
le.e		
2	Bat	128.0
3	Field	159.0
4	Field	144.0

second innings score	second innings wickets	winner	won by
111.0	10.0	New Zealand	Runs
1	113.0	5.0	England Wickets
2	133.0	I.e	Sri lanka Wickets
3	160.0	6.0	India Wickets
4	135.0	10.0	Bangladesh Runs

player of the match	top scorer	highest score	best bowler
Conway	Devon Conway	92.0	Tim Southee
1	Sam Curran	Ibrahim Zadran	32.0
2	Kusal Mendis	Kusal Mendis	68.0

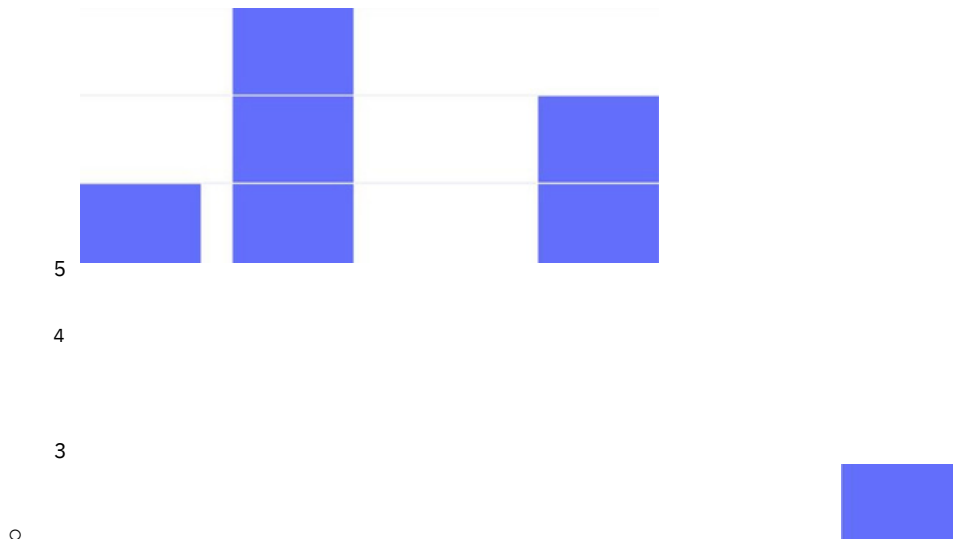
best bowling figure
3-6
1
2
3

best bowling figure
3-6

best bowling figure
3-6
1
2
3

4 4-25

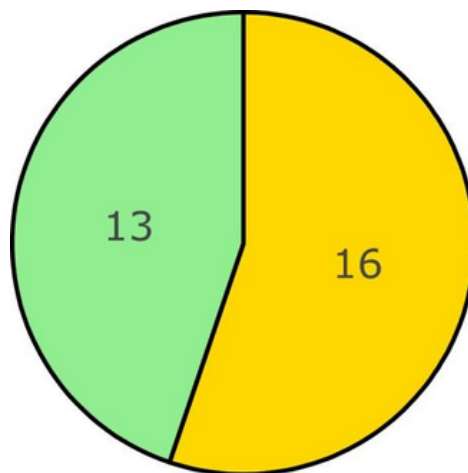
```
figure PX. bar(data, x=data [ "winner" ] title="Number of Matches Won by teams in t
20 World Cup 2022" ) figure . show()
Number of Matches Won by teams in t20 World Cup 2022
```



```
won_ by data[ "won by" ] .
value_counts() label = won _ by.
index counts = won_by.values colors
[ ' gold ' , ' lightgreen ' ]
```

```
fig go. values=counts))) fig. (labels=label,
update_layout(title_text= 'Number of Matches Won By Runs Or Wickets ) fig.
update_traces (hoverinfo= ' label+percent ' , textinfo= 'value' , textfont size=30,
marker=dict(colors=colors, ' black' , width=3))) fig. show()
```

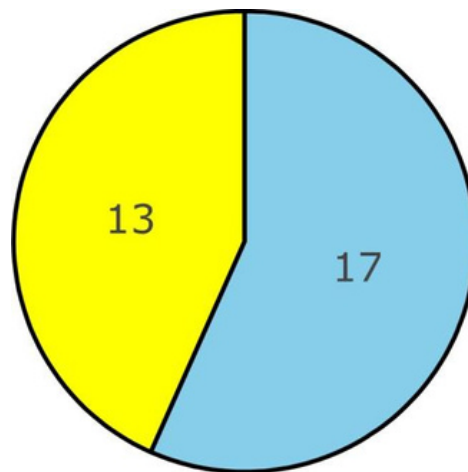
Number of Matches Won By Runs Or Wickets



```
toss_data["toss_decision"].value_counts()
label - toss. index counts - toss. values
colors skyblue, 'yellow']
```

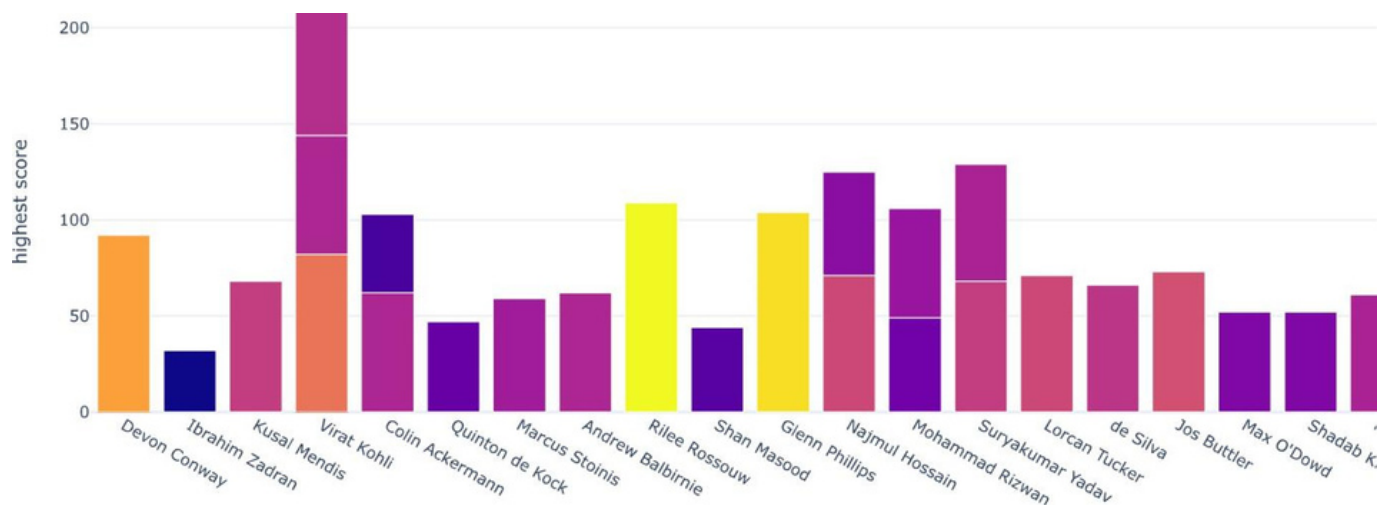
```
fig = go.Figure(data=[go.Pie(labels=labels, values=counts)]) fig.
Toss Decisions in t20 World Cup 2022' ) fig.
update_traces (hoverinfo= ' label+percent ', textinfo= 'value', textfont
size=30, marker=dict(colors=colors_black', width=3))) fig.show()
```

Toss Decisions in t20 World Cup 2022



```
figure = px.bar(data,
                 x=data["top scorer"], y = data["highest
score"], color = data["highest score"], title="Top Scorers
in t 20 World Cup 2022") figure . show()
```

Top Scorers in t20 World Cup 2022

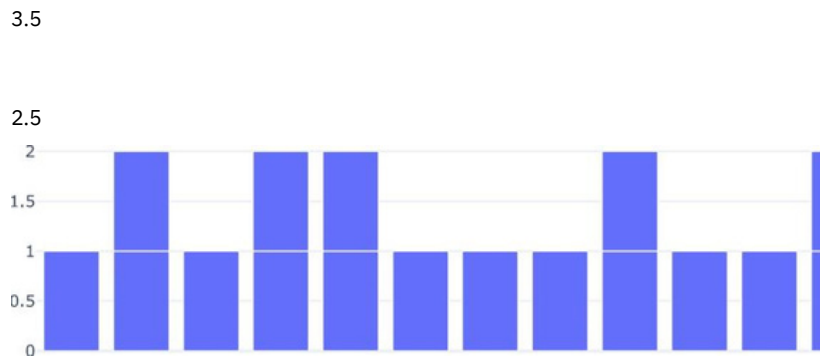


top scorer



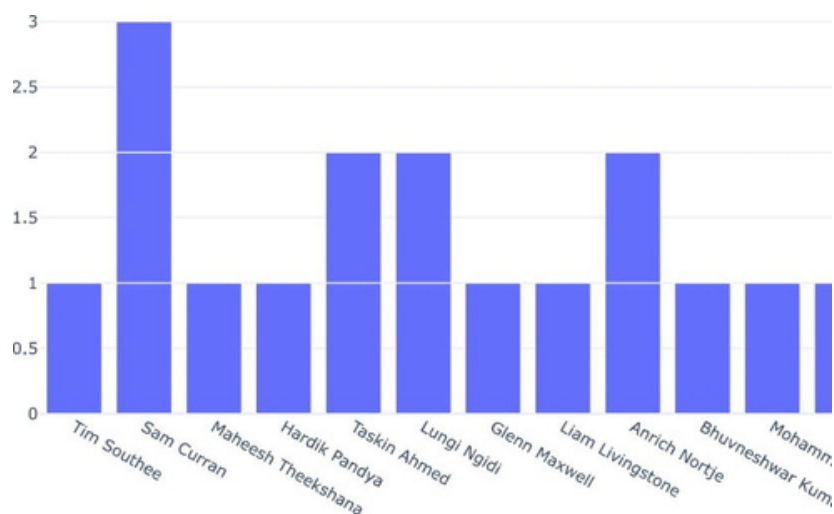
```
figure = PX. bar(data, data["player of the match"], title="Player of  
the Match Awards in t 20 World Cup 2022") figure . show()
```

Player of the Match Awards in t20 World Cup 2022



```
figure = px.bar(data,
                 x=data["player"], y=data["awards"], title="Best Bowlers in t20 World Cup 2022")
figure.show()
```

Best Bowlers in t20 World cup 2022 o

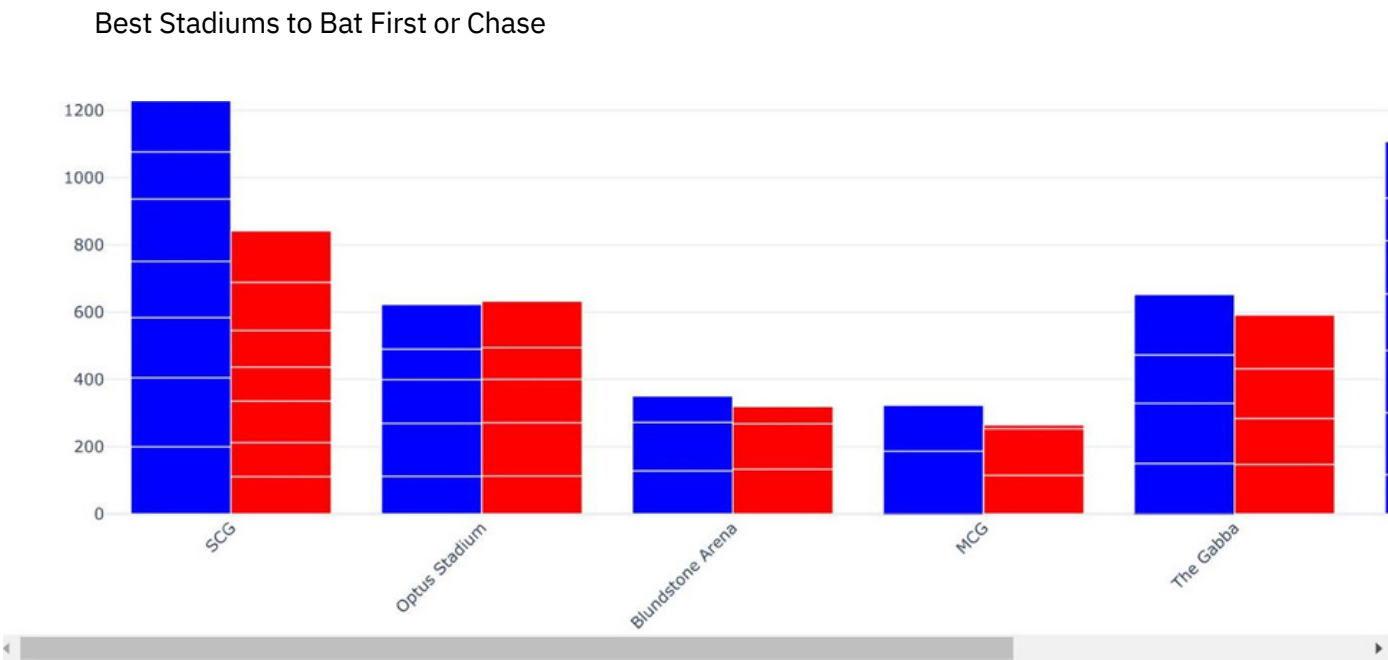


```
fig = go.Figure()
fig.add_trace(go.Bar(x=data["venue"], y=data["first innings score"], name='First Innings Runs', marker_color='blue'))
```

```
fig.add_trace(go.Bar(x=data["venue"], y=data["second innings score"], name='Second Innings Runs', marker_color='red'))
```

```
fig.update_layout(barmode='group')
```

```
axis_tickangle=-45, title="Best Stadiums to Bat First or Chase") fig.show()
```



```
fig.go.Figure() fig.add_trace(go.Bar(x=data["venue"], y=data["first
innings wickets"], name='First
Innings Wickets', marker_color='
blue'))
```

```
fig.add_trace(go.Bar(x=data["venue"], y=data["second innings
wickets"], name='Second Innings
Wickets', marker_color='red'))
```

```
fig.update_layout(barmode='group', xaxis_tickangle=-45,
title="Best Stadiums to Bowl First or Defend") fig.show()
```

Best Stadiums to Bowl First or Defend

