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In [13]: import numpy as nm
import pandas as pd
import plotly.express as px
import plotly.graph_objects as go
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In [14]: data = pd.read_csv("IPL2022.csv")
```

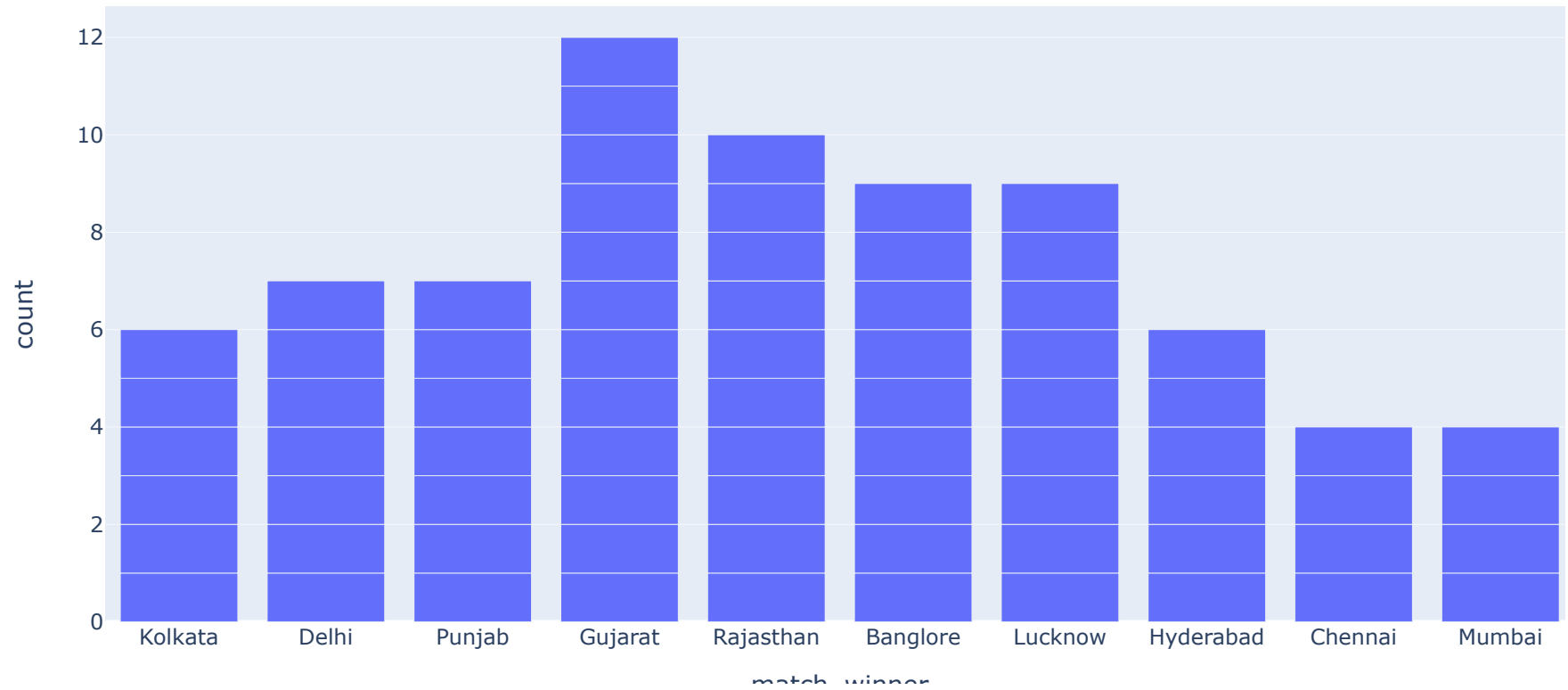
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In [15]: data
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Out[15]:
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	match_id	date	venue	team1	team2	stage	toss_winner	toss_decision	first_ings_score	first_ings_wkts	second_ings_s
0	1	March 26,2022	Wankhede Stadium, Mumbai	Chennai	Kolkata	Group	Kolkata	Field	131	5	
1	2	March 27,2022	Brabourne Stadium, Mumbai	Delhi	Mumbai	Group	Delhi	Field	177	5	
2	3	March 27,2022	Dr DY Patil Sports Academy, Mumbai	Banglore	Punjab	Group	Punjab	Field	205	2	
3	4	March 28,2022	Wankhede Stadium, Mumbai	Gujarat	Lucknow	Group	Gujarat	Field	158	6	
4	5	March 29,2022	Maharashtra Cricket Association	Hyderabad	Rajasthan	Group	Hyderabad	Field	210	6	

```
In [16]: figure = px.bar(data,x=data["match_winner"],title="total matches won by a team")  
figure.show()
```

total matches won by a team



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In [17]: data['won_by'] = data['won_by'].map({'Wickets':'Chasing',
                                             'Runs':'Defending'})

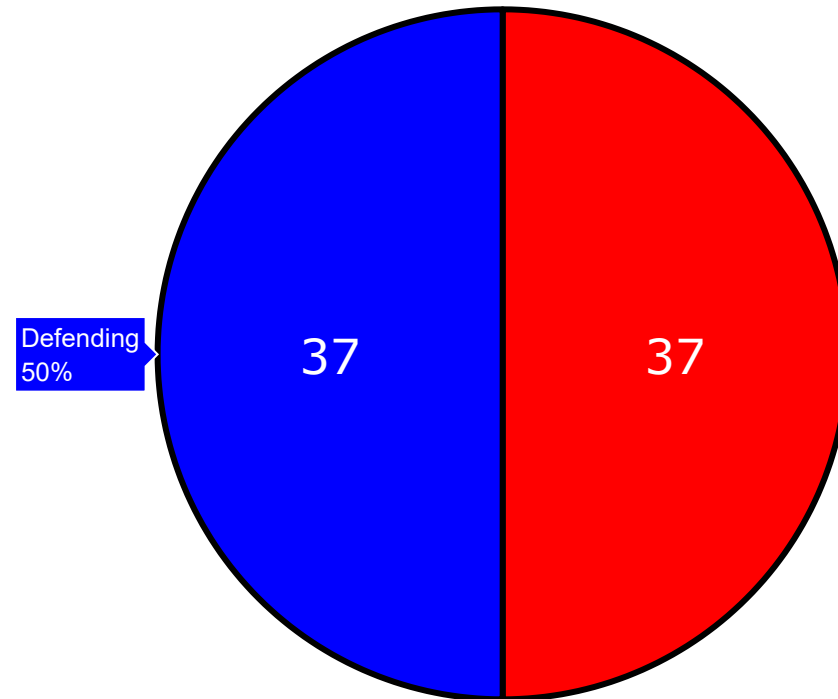
won_by = data['won_by'].value_counts()
label = won_by.index
counts = won_by.values

colors = ["red", "blue"]

fig = go.Figure(data = [go.Pie(labels= label, values= counts)])
fig.update_layout(title_text = "Number of matches won by defending or chasing")
fig.update_traces(hoverinfo = 'label+percent', textinfo = "value", textfont_size = 24,
                  marker = dict(colors = colors, line = dict(color = "black", width = 3)))
```

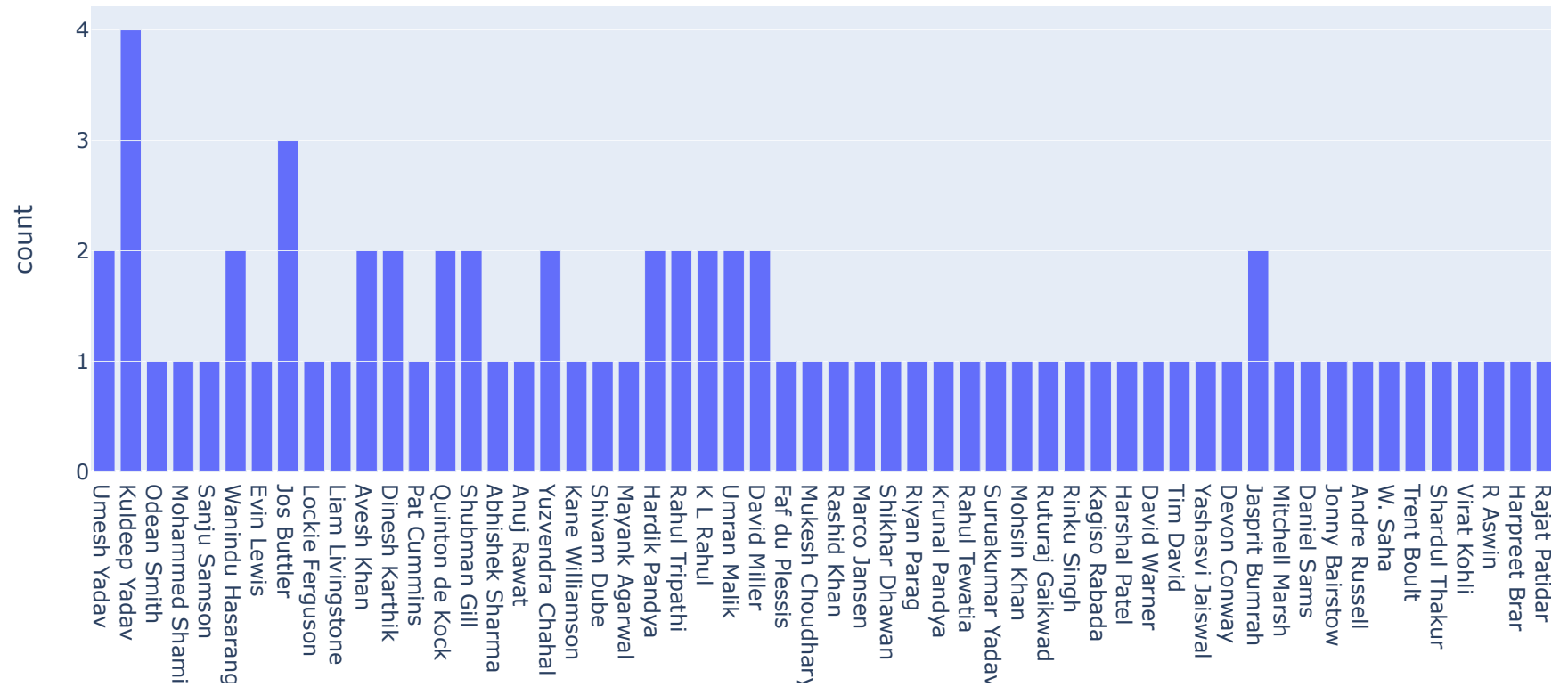


Number of matches won by defending or chasing



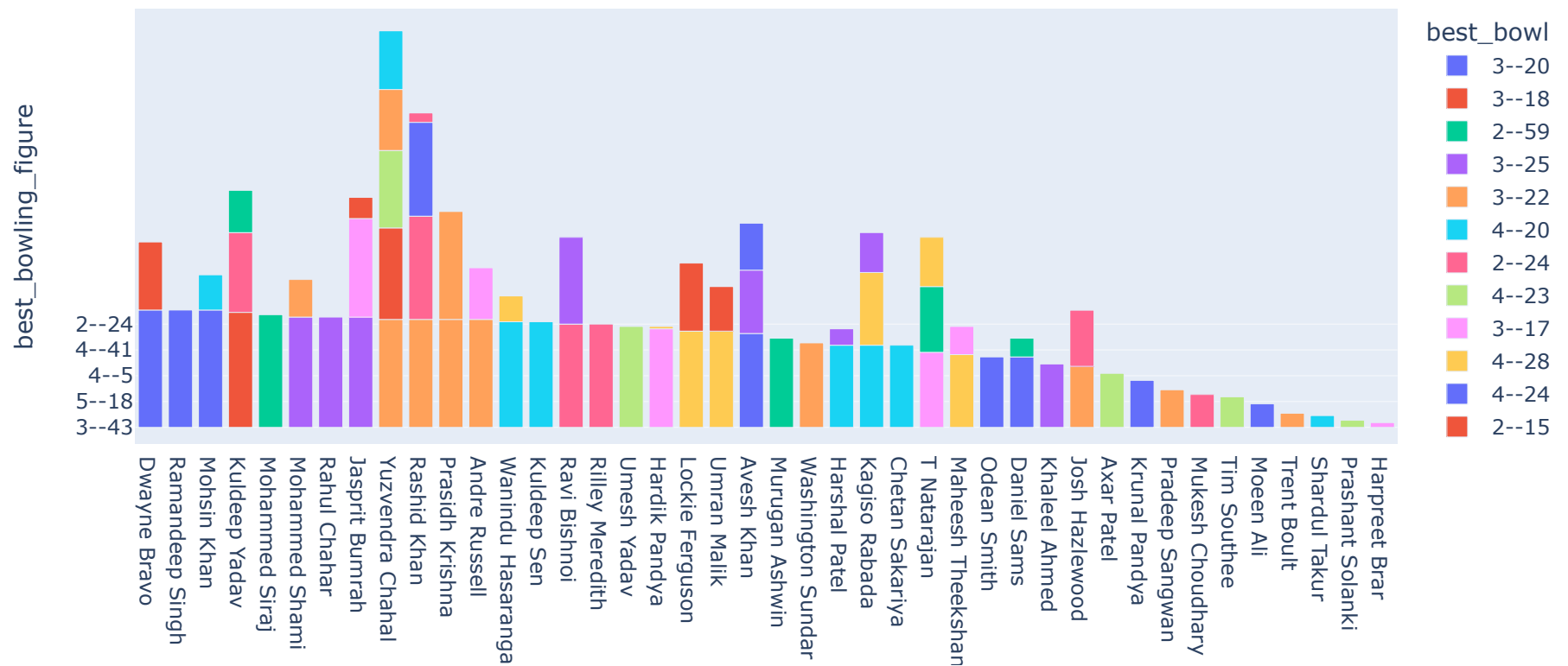
```
In [21]: figure = px.bar(data,x=data['player_of_the_match'],title="Player of the match awards in IPL 2022")
figure.show()
```

Player of the match awards in IPL 2022



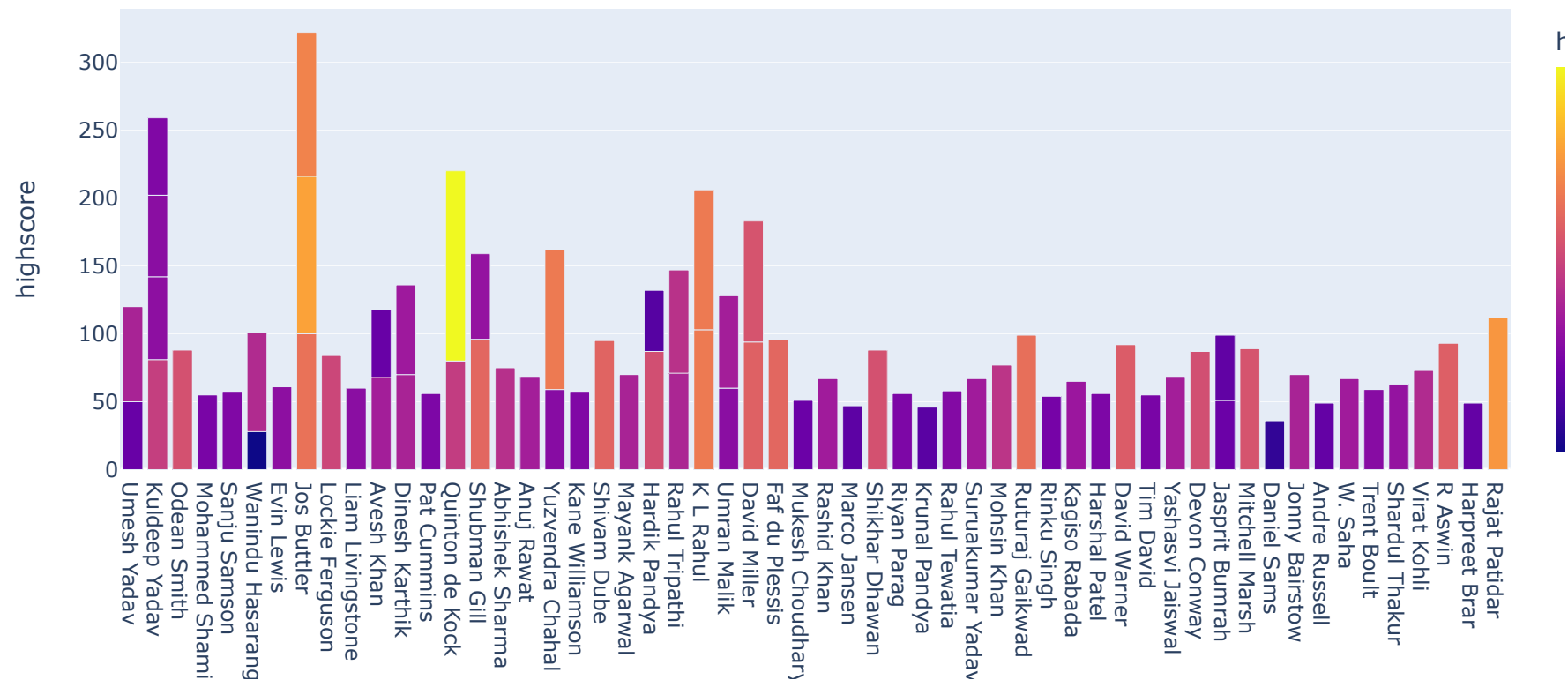
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In [22]: figure = px.bar(data,x=data["best_bowling"],y=data["best_bowling_figure"],
                        color = data["best_bowling_figure"],title = "Best bowling figure in IPL 2022")
figure.show()
```

Best bowling figure in IPL 2022



```
In [23]: figure = px.bar(data,x=data["player_of_the_match"],y=data["highscore"],
                        color = data["highscore"],title = "Top Scorer in IPL 2022")
figure.show()
```

Top Scorer in IPL 2022



In []:

