

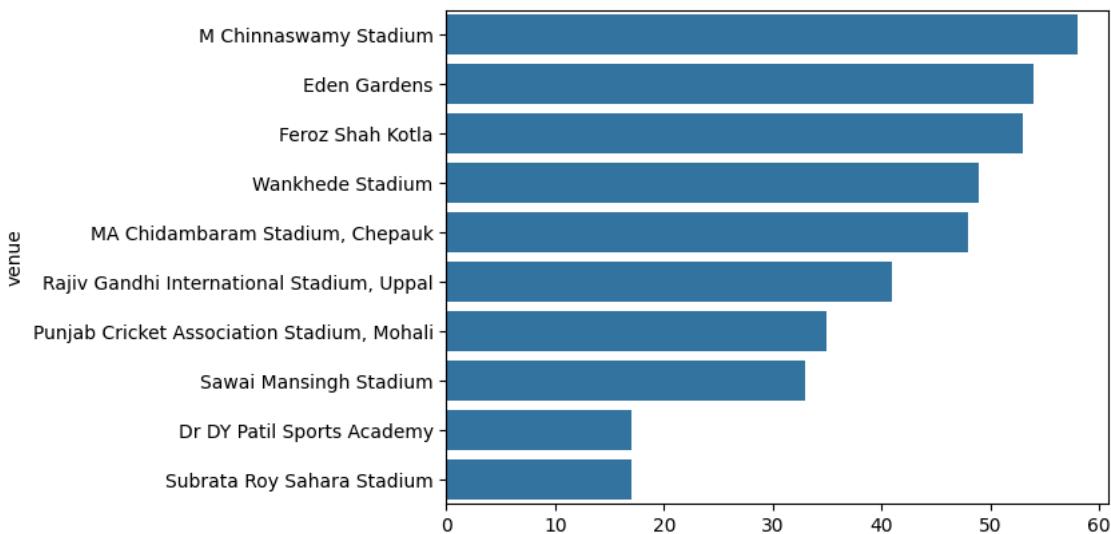
```

Wankhede Stadium           49
MA Chidambaram Stadium, Chepauk    48
Rajiv Gandhi International Stadium, Uppal   41
Punjab Cricket Association Stadium, Mohali 35
Sawai Mansingh Stadium        33
Dr DY Patil Sports Academy      17
Subrata Roy Sahara Stadium     17
Name: count, dtype: int64

```

```
sns.barplot(y=venue_counts.head(10).index, x=venue_counts.head(10).values)
```

```
<Axes: ylabel='venue'>
```



▼ 7. Umpire Name Cleaning

Clean umpire columns (umpire1, umpire2, umpire3) by:

- 1)Replacing missing values with "Not Assigned"
- 2)Removing duplicate umpire names per match
- 3)Finding the most frequently officiating umpire

```

print(df['umpire1'].isnull().sum())
print(df['umpire2'].isnull().sum())
print(df['umpire3'].isnull().sum())

```

```

0
0
0

```

```
df['umpire3'].fillna('Not Assigned')
```

```

umpire3
0  Not Assigned
1  Not Assigned
2  Not Assigned
3  Not Assigned
4  Not Assigned
...
572 Not Assigned
573 Not Assigned
574 Not Assigned
575 Not Assigned
576 Not Assigned
577 rows × 1 columns
dtype: object

```