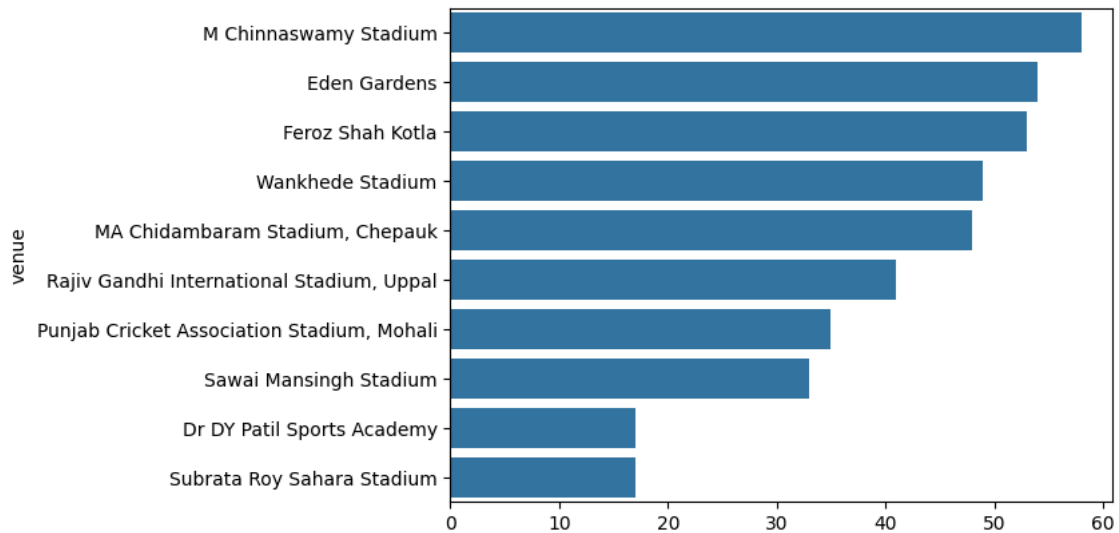


Wankhede Stadium	49
MA Chidambaram Stadium, Chepauk	48
Rajiv Gandhi International Stadium, Uppal	41
Punjab Cricket Association Stadium, Mohali	35
Sawai Mansingh Stadium	33
Dr DY Patil Sports Academy	17
Subrata Roy Sahara Stadium	17

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