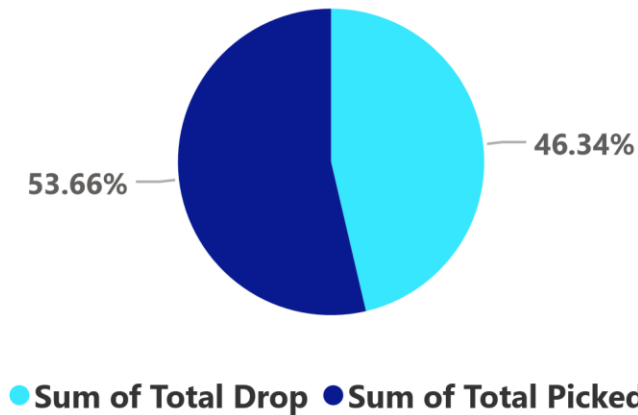
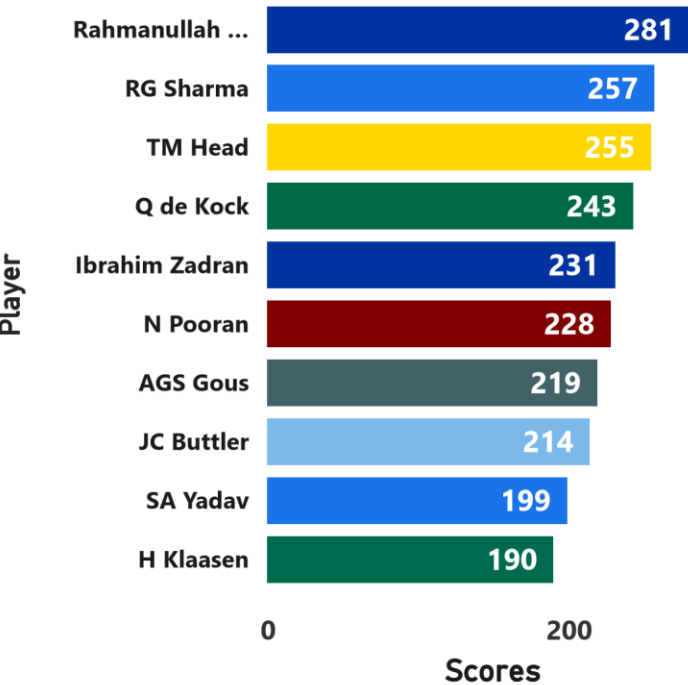


Fielder Catches Taken & Dropped

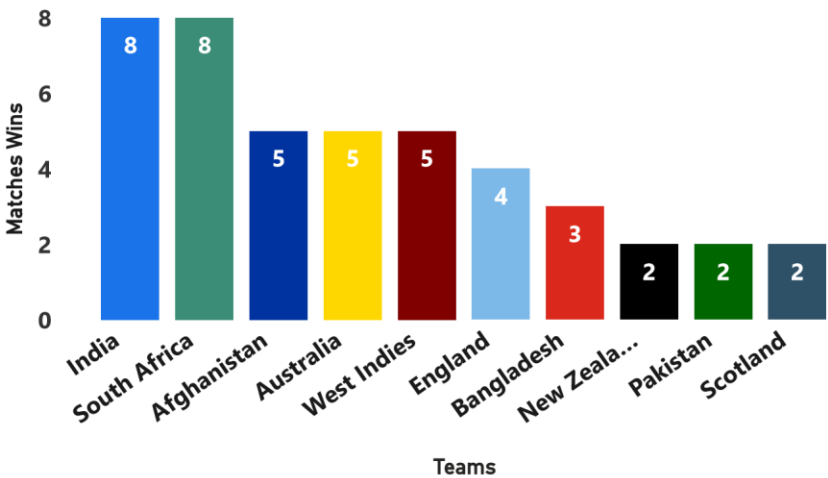


Top Scores Of The Tournament

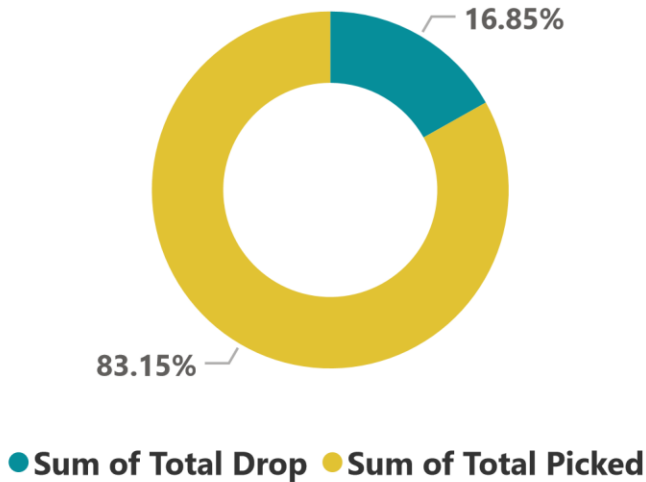


T20 World Cup 2024 Dashboard

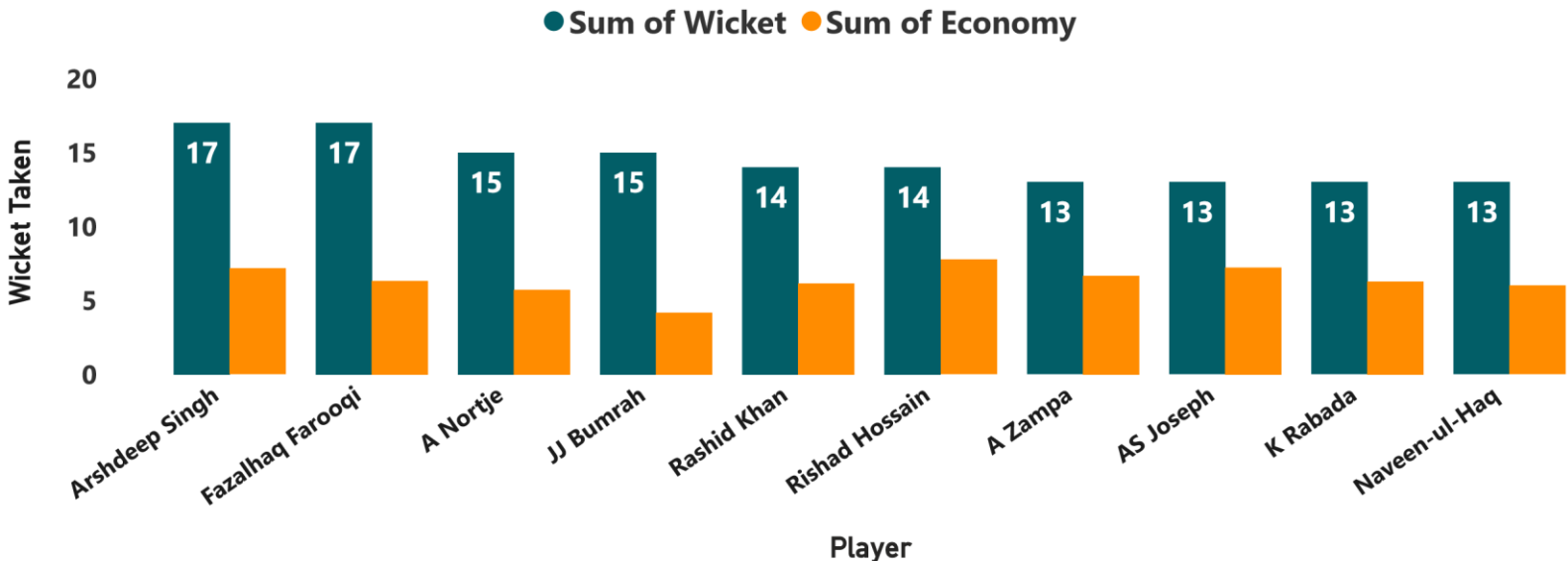
Teams With The Most Wins



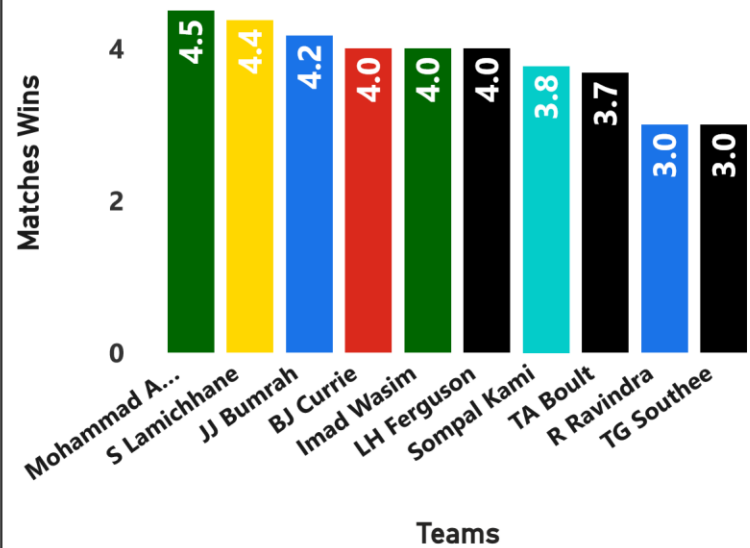
Keeper Catches Taken & Dropped



Top Wicket Taken Of The Tournament



### Most Economical Bowler



### Total Team

20

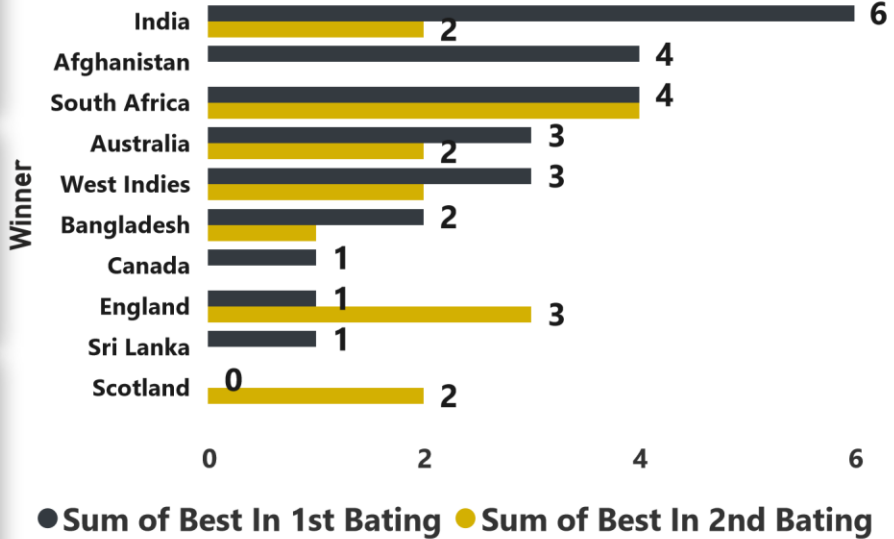
### Total Matches

52

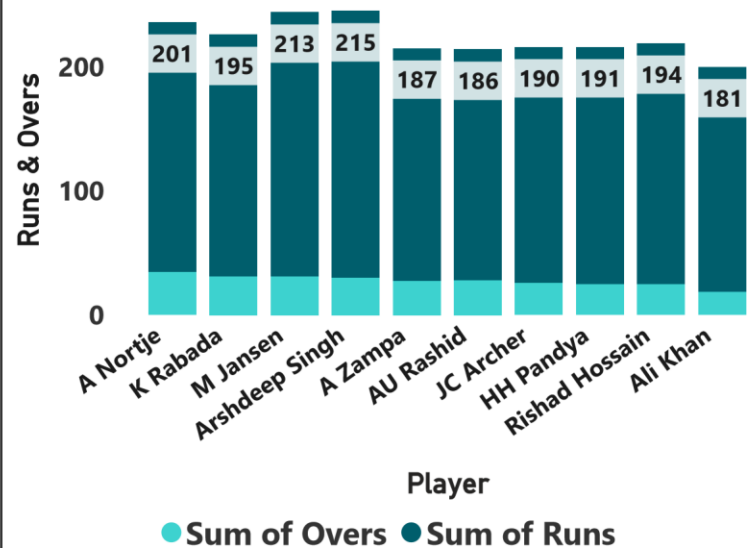
### Total Ground

9

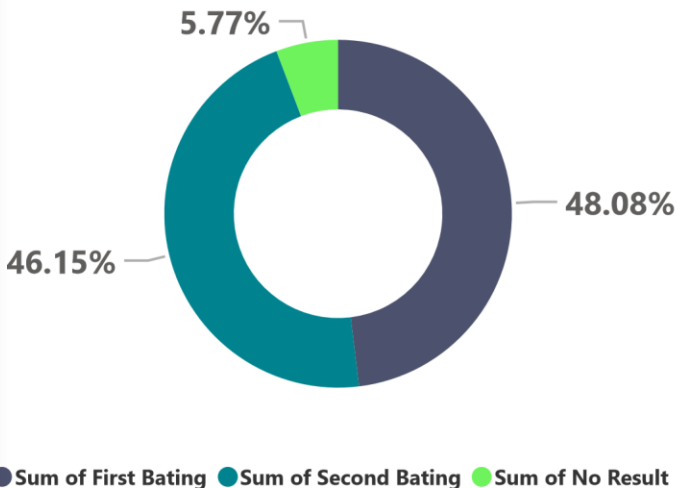
### Innings Impact Revealed



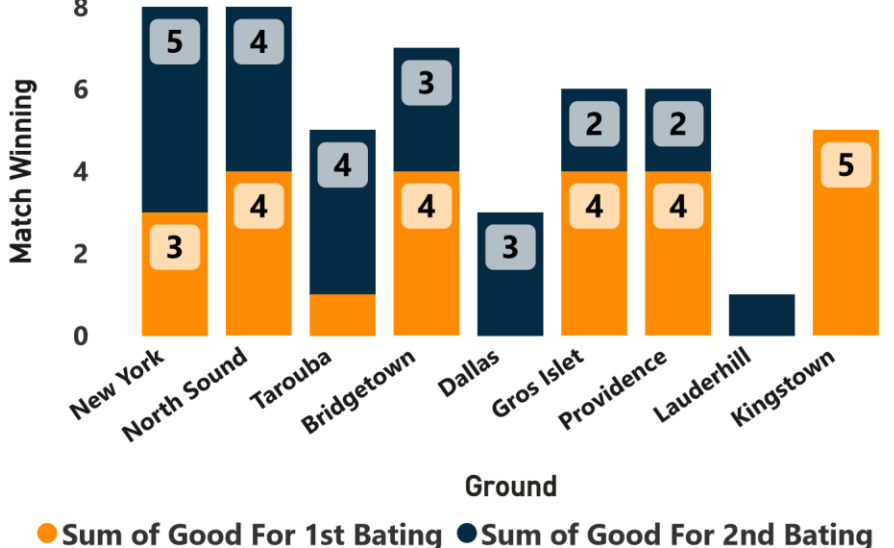
### Most Expensive Bowlers



### Batting First Wins Vs Chasing Wins



### Batting Strategy Pitch Classification



# Data Cleaning & Preparation With SQL

## Data Files:

```
-- Data Files
```

```
select * from batting
```

```
select * from bowling
```

```
select * from fielding
```

```
select * from match_result
```

```
select * from wicket
```

# Data Cleaning:

```
-- Data Cleaning & Preparation
```

```
alter table batting alter column Runs int  
alter table bowling alter column Wkts int  
alter table bowling alter column Econ float  
alter table batting alter column Count_100 int  
alter table batting alter column Count_50 int  
alter table wicket alter column Ct int  
alter table wicket alter column St int  
alter table wicket alter column Dis int  
alter table fielding alter column Ct int  
alter table fielding alter column Ct int  
alter table batting alter column SR float  
alter table bowling alter column Runs int  
alter table bowling alter column Balls int  
alter table fielding alter column Max int  
alter table wicket drop column fdc
```

```
alter table batting add Match_Host varchar(50)
alter table bowling add Match_Host varchar(50)
alter table fielding add Match_Host varchar(50)
alter table wicket add Match_Host varchar(50)
alter table fielding add fdc int
alter table bowling add Overs int
```

```
update batting set Match_Host='USA & WEST' where Match_Host is null
update bowling set Match_Host='USA & WEST' where Match_Host is null
update fielding set Match_Host='USA & WEST' where Match_Host is null
update wicket set Match_Host='USA & WEST' where Match_Host is null
update fielding set fdc = fct - fcp where fdc is null
update bowling set Overs= Balls/6 where Overs is null
```

```
delete from batting where Player is null
```

```
Exec sp_rename 'dbo.batting.100', 'Count_100' , 'column'
```

```
Exec sp_rename 'dbo.batting.50', 'Count_50' , 'column'
```

```
Exec sp_rename 'dbo.match_result.[Team 1]', 'Team1' , 'column'
```

```
Exec sp_rename 'dbo.match_result.[Team 2]', 'Team2' , 'column'
```

```
Exec sp_rename 'dbo.fielding.Max', 'fcp' , 'column'
```

```
Exec sp_rename 'dbo.fielding.Ct', 'fct' , 'column'
```

# Data Analysis:

## Query:

```
-- Show that the top perform batter in season  
  
select top 10  
Player,  
Team,  
Inns,  
sum(Runs) as 'Highest Score',  
Ave as Average  
from batting  
group by Player , Team , Ave,Inns  
Order by 'Highest Score' desc
```

# Output:

	Player	Team	Inns	Highest Score	Average
1	Rahmanullah Gurb...	Afghanistan	8	281	35.12
2	RG Sharma	India	8	257	36.71
3	TM Head	Australia	7	255	42.5
4	Q de Kock	South Africa	9	243	27
5	Ibrahim Zadran	Afghanistan	8	231	28.87
6	N Pooran	West Indies	7	228	38
7	AGS Gous	United States of Ameri...	6	219	43.8
8	JC Buttler	England	7	214	42.8
9	SA Yadav	India	8	199	28.42
10	H Klaasen	South Africa	8	190	31.66



## Query:

```
-- Show the top bowlers of the season
```

```
= Select top 10  
  Player ,  
  Team,  
  Inns as Inning,  
  sum(Wkts) as Wicket,  
  Econ as Economy  
from bowling  
group by Player, Team , Inns , Econ  
Order by Wicket desc
```

# Output:

	Player	Team	Inning	Wicket	Economy
1	Arshdeep Singh	India	8	17	7.16
2	Fazalhaq Farooqui	Afghanistan	8	17	6.31
3	A Nortje	South Africa	9	15	5.74
4	JJ Bumrah	India	8	15	4.17
5	Rashid Khan	Afghanistan	8	14	6.17
6	Rishad Hossain	Bangladesh	7	14	7.76
7	A Zampa	Australia	7	13	6.67
8	AS Joseph	West Indies	7	13	7.22
9	K Rabada	South Africa	9	13	6.29
10	Naveen-ul-Haq	Afghanistan	8	13	6

## Query:

```
-- Most Economical Bowlers Of the season
```

```
= Select top 10  
  Player,  
  Team,  
  Inns as Inning,  
  sum(Wkts) as Wicket,  
  Econ as 'Most Economical'  
from bowling  
group by Player , Team , Econ , Inns , Wkts  
order by Econ asc
```

# Output:

	Player	Team	Inning	Wicket	Most Economical
1	R Ravindra	New Zealand	1	2	3
2	TG Southee	New Zealand	3	7	3
3	TA Boult	New Zealand	4	9	3.68
4	Sompal Ka...	Nepal	3	3	3.77
5	BJ Currie	Scotland	1	2	4
6	Imad Wasi...	Pakistan	3	3	4
7	LH Ferguson	New Zealand	4	7	4
8	JJ Bumrah	India	8	15	4.17
9	S Lamichh...	Nepal	2	2	4.37
10	Mohammad Amir	Pakistan	4	7	4.5

## Query:

```
-- Show that the Most Matches Winning Teams in this season

select top 10
Winner ,
count(Winner) as 'Total Wins'
from match_result
group by Winner
Order by 'Total Wins' desc
```

## Output:

	Winner	Total Wins
1	India	8
2	South Africa	8
3	Australia	5
4	Afghanistan	5
5	West Indies	5
6	England	4
7	Bangladesh	3
8	New Zealand	2
9	Scotland	2
10	Pakistan	2

## Query:

```
-- Check the Winning Ratio By Toss Decision

select
sum(case when Margin like '%r%' then 1 else 0 end) as 'First Bating',
sum(case when Margin like '%w%' then 1 else 0 end) as 'Second Bating',
sum(case when Margin like '%-%' then 1 else 0 end) as 'No Result'
from match_result
```

## Output:

	First Bating	Second Bating	No Result
1	25	24	3

## Query:

```
-- Analyze the Ground Which Is best for first innings'  
  
Select  
Ground,  
sum(case when Margin like '%r%' then 1 else 0 end) as 'Good For 1st Bating'  
from match_result  
group by Ground  
order by 'Good For 1st Bating' desc
```

## Output:

	Ground	Good For 1st Bating
1	Kingstown	5
2	Bridgetown	4
3	Gros Islet	4
4	North Sound	4
5	Providence	4
6	New York	3
7	Tarouba	1
8	Dallas	0
9	Lauderhill	0

## Query:

```
-- Analyze the Ground Which Is best for Second innings'
```

```
= Select  
Ground,  
sum(case when Margin like '%W%' then 1 else 0 end) as 'Good For 2nd Bating'  
from match_result  
group by Ground  
order by 'Good For 2nd Bating' desc
```

150 %



# Output:

	Ground	Good For 2nd Bating
1	New York	5
2	North Sound	4
3	Tarouba	4
4	Bridgetown	3
5	Dallas	3
6	Gros Islet	2
7	Providence	2
8	Lauderhill	1
9	Kingstown	0

## Query:

```
-- Analyze the Which teams wins Most in First innings  
  
Select top 10  
Winner,  
sum(case when Margin like '%r%' then 1 else 0 end) as 'Best In 1st Bating'  
from match_result  
group by Winner  
order by 'Best In 1st Bating' desc
```

## Output:

	Winner	Best In 1st Bating
1	India	6
2	Afghanistan	4
3	South Africa	4
4	Australia	3
5	West Indies	3
6	Bangladesh	2
7	England	1

## Query:

```
-- Analyze the Which teams wins Most in second innings

Select top 10
Winner,
sum(case when Margin like '%W%' then 1 else 0 end) as 'Best In 2nd Bating'
from match_result
group by Winner
order by 'Best In 2nd Bating' desc
```

## Output:

	Winner	Best In 2nd Bating
1	South Africa	4
2	England	3
3	Australia	2
4	India	2
5	New Zealand	2
6	Pakistan	2
7	Scotland	2

## Query:

```
-- Determine the Most Hundard & Fities of players in this season

select top 10
Player ,
Inns,
sum(Count_50) as 'Most Fifties',
sum(Count_100) as 'Most Hundard',
SR
from batting
group by Player , Inns , SR
order by 'Most Fifties' desc
```

Output:

	Player	Inns	Most Fifties	Most Hundard	SR
1	Rahmanullah Gurb...	8	3	0	124.33
2	RG Sharma	8	3	0	156.7
3	AGS Gous	6	2	0	151.03
4	B McMullen	3	2	0	170.73
5	DA Warner	7	2	0	139.06
6	Ibrahim Zadran	8	2	0	107.44
7	MP Stoinis	5	2	0	164.07
8	Q de Kock	9	2	0	140.46
9	SA Yadav	8	2	0	135.37
10	TM Head	7	2	0	158.38

## Query:

```
-- Analyze the which keepar is good through out the season

= select top 5
  Player,
  Team,
  Inns as Inning,
  (Ct + St) as 'Total Catch',
  Ct as 'Catch Pick'
from wicket
order by 'Catch Pick' desc
```

Output:

	Player	Team	Inning	Total Catch	Catch	Pick
1	RR Pant	India	8	14	13	
2	N Pooran	West Indies	7	8	8	
3	Q de Kock	South africa	9	8	6	
4	Rahmanullah Gurbaz	Afghanistan	8	6	6	
5	DP Conway	New Zealand	4	6	5	

## Query:

```
-- Analyze the which keepar is not good through out the season

select top 5
Player,
Team,
Inns as Inning,
(Ct + St) as 'Total Catch',
St as 'Catch Drop'
from wicket
order by 'Catch Drop' desc
```

## Output:

	Player	Team	Inning	Total Catch	Catch Drop
1	Litton Das	Bangladesh	7	8	4
2	JC Buttler	England	8	7	2
3	Q de Kock	South africa	9	8	2
4	BKG Mend...	Sri Lanka	3	2	2
5	DP Conway	New Zealand	4	6	1



## Query:

```
-- Analyze the total catches which is drop or picked by keepers

select
sum(Dis) as 'Total Catch',
sum(Ct ) as 'Total Picked',
sum(St) as 'Total Drop'
from wicket
```

## Output:

	Total Catch	Total Picked	Total Drop
1	89	74	15

## Query:

```
-- Analyze the total catches which is drop or picked by fielders

select
sum(fct) as 'Total Catch',
sum(fcp) as 'Total Picked',
sum(fdc) as 'Total Drop'
from fielding
```

## Output:

	Total Catch	Total Picked	Total Drop
1	287	154	133

## Query:

```
-- show the which player have highest strike rate  
  
= select top 10  
  Player,  
  Team,  
  Inns,  
  SR,  
  Runs  
from batting  
order by SR desc
```

150 %

# Output:

	Player	Team	Inns	SR	Runs
1	Naseem Shah	Pakistan	1	250	10
2	PW Hasaranga	Sri Lanka	3	222.22	20
3	SD Hope	West Indies	3	187.71	107
4	Ali Khan	United States of Ameri...	2	175	14
5	B McMullen	Scotland	3	170.73	140
6	AD Russell	West Indies	6	165.95	78
7	MP Stoinis	Australia	5	164.07	169
8	Shaheen Shah Afr...	Pakistan	3	163.63	36
9	MA Leask	Scotland	2	160	40
10	PD Salt	England	7	159.32	188

## Query:

```
-- Datermine the which bowlers gives most runs
```

```
= select top 10  
  Player,  
  Team,  
  Inns,  
  Overs,  
  Runs,  
  Econ  
  from bowling  
  order by Runs desc
```

# Output:

	Player	Team	Inns	Overs	Runs	Econ
1	Arshdeep Sing	India	8	30	215	7.16
2	M Jansen	South Africa	9	31	213	6.83
3	A Nortje	South Africa	9	35	201	5.74
4	K Rabada	South Africa	9	31	195	6.29
5	Rishad Hossien	Bangladesh	7	25	194	7.76
6	HH Pandya	India	8	25	191	7.64
7	JC Archer	England	8	26	190	7.21
8	A Zampa	Australia	7	28	187	6.67
9	AU Rashid	England	8	28	186	6.64
10	Ali Khan	United State	6	19	181	9.36

The End