

Cricket_Test_match_dataset Analysis by Pandas Library

```
In [1]: #import library and read the dataset

import pandas as pd
df = pd.read_csv(r'Cricket_Test_match_dataset.csv')
df
```

Out[1]:

	Player	Span	Mat	Inns	NO	Runs	HS	Ave	BF	SR	100	50	0	4s	6s
0	DG Bradman (AUS)	1928-1948	52	80	10	6996	334	99.94	9800.0	58.60	29	13	7	626	6
1	AC Voges (AUS)	2015-2016	20	31	7	1485	269*	61.87	2667.0	55.68	5	4	2	186	5
2	RG Pollock (SA)	1963-1970	23	41	4	2256	274	60.97	1707.0	54.48	7	11	1	246	11
3	GA Headley (WI)	1930-1954	22	40	4	2190	270*	60.83	416.0	56.00	10	5	2	104	1
4	GA Headley (WI)	1930-1954	22	40	4	2190	270*	60.83	416.0	56.00	10	5	2	104	1
...
62	KD Walters (AUS)	1965-1981	74	125	14	5357	250	48.26	8662.0	49.16	15	33	4	525	23
63	GC Smith (ICC/SA)	2002-2014	117	205	13	9265	277	48.25	15525.0	59.67	27	38	11	1165	24
64	WH Ponsford (AUS)	1924-1934	29	48	4	2122	266	48.22	3118.0	44.77	7	6	1	119	0
65	SJ McCabe (AUS)	1930-1938	39	62	5	2748	232	48.21	3217.0	60.02	6	13	4	241	5
66	DR Jardine (ENG)	1928-1934	22	33	6	1296	127	48.00	2110.0	25.59	1	10	2	53	0

67 rows × 15 columns

```
In [2]: #rename multiple columns in a List

df = df.rename(columns = {'Mat':'Matches', 'NO':'Not_Outs', 'HS':'Highest_Inns_Score', 'BF'
df
```

Out[2]:

	Player	Span	Matches	Inns	Not_Outs	Runs	Highest_Inns_Score	Ave	Balls_Faced	Batting_Strike_Rate
0	DG Bradman (AUS)	1928-1948	52	80	10	6996	334	99.94	9800.0	58.60
1	AC Voges (AUS)	2015-2016	20	31	7	1485	269*	61.87	2667.0	55.68
2	RG Pollock (SA)	1963-1970	23	41	4	2256	274	60.97	1707.0	54.48
3	GA Headley (WI)	1930-1954	22	40	4	2190	270*	60.83	416.0	56.00
4	GA Headley (WI)	1930-1954	22	40	4	2190	270*	60.83	416.0	56.00
...
62	KD Walters (AUS)	1965-1981	74	125	14	5357	250	48.26	8662.0	49.16
63	GC Smith (ICC/SA)	2002-2014	117	205	13	9265	277	48.25	15525.0	59.67
64	WH Ponsford (AUS)	1924-1934	29	48	4	2122	266	48.22	3118.0	44.77
65	SJ McCabe (AUS)	1930-1938	39	62	5	2748	232	48.21	3217.0	60.02
66	DR Jardine (ENG)	1928-1934	22	33	6	1296	127	48.00	2110.0	25.59

67 rows × 15 columns

```
In [3]: df.head()
```

Out[3]:

	Player	Span	Matches	Inns	Not_Outs	Runs	Highest_Inns_Score	Ave	Balls_Faced	Batting_Strike_Rate
0	DG Bradman (AUS)	1928-1948	52	80	10	6996	334	99.94	9800.0	58.60
1	AC Voges (AUS)	2015-2016	20	31	7	1485	269*	61.87	2667.0	55.68
2	RG Pollock (SA)	1963-1970	23	41	4	2256	274	60.97	1707.0	54.48
3	GA Headley (WI)	1930-1954	22	40	4	2190	270*	60.83	416.0	56.00
4	GA Headley (WI)	1930-1954	22	40	4	2190	270*	60.83	416.0	56.00


```
In [4]: #check null values
df.isnull().any()
```

```
Out[4]: Player           False
Span           False
Matches        False
Inns           False
Not_Outs       False
Runs           False
Highest_Inns_Score False
Ave            False
Balls_Faced    True
Batting_Strike_Rate True
100            False
50             False
0              False
4s             False
6s             False
dtype: bool
```

```
In [5]: df[df['Balls_Faced'].isna()==1]
```

```
Out[5]:
```

	Player	Span	Matches	Inns	Not_Outs	Runs	Highest_Inns_Score	Ave	Balls_Faced	Batting_Strike_Rate
10	ED Weekes (WI)	1948-1958	48	81	5	4455	207	58.61	NaN	NaN
18	CL Walcott (WI)	1948-1960	44	74	7	3798	220	56.68	NaN	NaN
57	Hon.FS Jackson (ENG)	1893-1905	20	33	4	1415	144*	48.79	NaN	NaN



```
In [6]: df['Balls_Faced']=df['Balls_Faced'].fillna(0)
df['Batting_Strike_Rate']=df['Batting_Strike_Rate'].fillna(0)
df
```

Out[6]:

	Player	Span	Matches	Inns	Not_Outs	Runs	Highest_Inns_Score	Ave	Balls_Faced	Batting_Strike_Rate
0	DG Bradman (AUS)	1928-1948	52	80	10	6996	334	99.94	9800.0	58.60
1	AC Voges (AUS)	2015-2016	20	31	7	1485	269*	61.87	2667.0	55.68
2	RG Pollock (SA)	1963-1970	23	41	4	2256	274	60.97	1707.0	54.48
3	GA Headley (WI)	1930-1954	22	40	4	2190	270*	60.83	416.0	56.00
4	GA Headley (WI)	1930-1954	22	40	4	2190	270*	60.83	416.0	56.00
...
62	KD Walters (AUS)	1965-1981	74	125	14	5357	250	48.26	8662.0	49.16
63	GC Smith (ICC/SA)	2002-2014	117	205	13	9265	277	48.25	15525.0	59.67
64	WH Ponsford (AUS)	1924-1934	29	48	4	2122	266	48.22	3118.0	44.77
65	SJ McCabe (AUS)	1930-1938	39	62	5	2748	232	48.21	3217.0	60.02
66	DR Jardine (ENG)	1928-1934	22	33	6	1296	127	48.00	2110.0	25.59

67 rows × 15 columns



```
In [7]: df[df['Player']=='ED Weekes (WI)']
df[df['Player']=='CL Walcott (WI)']
df[df['Player']=='Hon.FS Jackson (ENG)']
```

Out[7]:

	Player	Span	Matches	Inns	Not_Outs	Runs	Highest_Inns_Score	Ave	Balls_Faced	Batting_Strike_Rate
57	Hon.FS Jackson (ENG)	1893-1905	20	33	4	1415	144*	48.79	0.0	0.0



In [8]: `#drop duplicates`

`df.duplicated()`

Out[8]:

0	False
1	False
2	False
3	False
4	True
...	
62	False
63	False
64	False
65	False
66	False

Length: 67, dtype: bool

In [9]: `df[df['Player'].duplicated()==1] #find duplicated values`

Out[9]:

	Player	Span	Matches	Inns	Not_Outs	Runs	Highest_Inns_Score	Ave	Balls_Faced	Batting_Strike_Rate
4	GA Headley (WI)	1930-1954	22	40	4	2190	270*	60.83	416.0	56.00
13	GS Sobers (WI)	1954-1974	93	160	21	8032	365*	57.78	4063.0	53.58
17	JB Hobbs (ENG)	1908-1930	61	102	7	5410	211	56.94	5363.0	46.22
60	V Kohli (IND)	2011-2024	116	197	12	9017	254*	48.74	16150.0	55.83

In [10]: `df[df['Player'].isin(['GA Headley (WI)', 'GS Sobers (WI)', 'JB Hobbs (ENG)', 'V Kohli (IND)'])]`

Out[10]:

	Player	Span	Matches	Inns	Not_Outs	Runs	Highest_Inns_Score	Ave	Balls_Faced	Batting_Strike_Rate
3	GA Headley (WI)	1930-1954	22	40	4	2190	270*	60.83	416.0	56.00
4	GA Headley (WI)	1930-1954	22	40	4	2190	270*	60.83	416.0	56.00
12	GS Sobers (WI)	1954-1974	93	160	21	8032	365*	57.78	4063.0	53.58
13	GS Sobers (WI)	1954-1974	93	160	21	8032	365*	57.78	4063.0	53.58
16	JB Hobbs (ENG)	1908-1930	61	102	7	5410	211	56.94	5363.0	46.22
17	JB Hobbs (ENG)	1908-1930	61	102	7	5410	211	56.94	5363.0	46.22
59	V Kohli (IND)	2011-2024	116	197	12	9017	254*	48.74	16150.0	55.83
60	V Kohli (IND)	2011-2024	116	197	12	9017	254*	48.74	16150.0	55.83

```
In [11]: df = df.drop_duplicates() # delete duplicates
```

```
In [12]: df[df['Player'].isin(['GA Headley (WI)', 'GS Sobers (WI)', 'JB Hobbs (ENG)', 'V Kohli (IND)'])]
```

Out[12]:

	Player	Span	Matches	Inns	Not_Outs	Runs	Highest_Inns_Score	Ave	Balls_Faced	Batting_Strike_Rate
3	GA Headley (WI)	1930-1954	22	40	4	2190	270*	60.83	416.0	56.00
12	GS Sobers (WI)	1954-1974	93	160	21	8032	365*	57.78	4063.0	53.58
16	JB Hobbs (ENG)	1908-1930	61	102	7	5410	211	56.94	5363.0	46.22
59	V Kohli (IND)	2011-2024	116	197	12	9017	254*	48.74	16150.0	55.83

```
In [13]: #split up Span into Start and End date
df['Span'].str.split()
```

Out[13]:

```
0    [1928-1948]
1    [2015-2016]
2    [1963-1970]
3    [1930-1954]
5    [1924-1935]
...
62   [1965-1981]
63   [2002-2014]
64   [1924-1934]
65   [1930-1938]
66   [1928-1934]
Name: Span, Length: 63, dtype: object
```

```
In [14]: df['Span'].str.split(pat = '-')
```

Out[14]:

```
0    [1928, 1948]
1    [2015, 2016]
2    [1963, 1970]
3    [1930, 1954]
5    [1924, 1935]
...
62   [1965, 1981]
63   [2002, 2014]
64   [1924, 1934]
65   [1930, 1938]
66   [1928, 1934]
Name: Span, Length: 63, dtype: object
```

```
In [15]: df['Span'].str.split(pat = '-').str[1]
```

Out[15]:

```
0    1948
1    2016
2    1970
3    1954
5    1935
...
62   1981
63   2014
64   1934
65   1938
66   1934
Name: Span, Length: 63, dtype: object
```

```
In [16]: df['Rookie_year'] = df['Span'].str.split(pat='-').str[0]
```

C:\Users\verma\AppData\Local\Temp\ipykernel_17604\742699055.py:1: SettingWithCopyWarning:
A value is trying to be set on a copy of a slice from a DataFrame.
Try using .loc[row_indexer,col_indexer] = value instead

See the caveats in the documentation: https://pandas.pydata.org/pandas-docs/stable/user_guide/indexing.html#returning-a-view-versus-a-copy (https://pandas.pydata.org/pandas-docs/stable/user_guide/indexing.html#returning-a-view-versus-a-copy)

```
df['Rookie_year'] = df['Span'].str.split(pat='-').str[0]
```

```
In [17]: df['Final_year'] = df['Span'].str.split(pat='-').str[1]
```

C:\Users\verma\AppData\Local\Temp\ipykernel_17604\3985314040.py:1: SettingWithCopyWarning:
A value is trying to be set on a copy of a slice from a DataFrame.
Try using .loc[row_indexer,col_indexer] = value instead

See the caveats in the documentation: https://pandas.pydata.org/pandas-docs/stable/user_guide/indexing.html#returning-a-view-versus-a-copy (https://pandas.pydata.org/pandas-docs/stable/user_guide/indexing.html#returning-a-view-versus-a-copy)

```
df['Final_year'] = df['Span'].str.split(pat='-').str[1]
```

```
In [18]: df
```

Out[18]:

	Player	Span	Matches	Inns	Not_Out	Runs	Highest_Inns_Score	Ave	Balls_Faced	Batting_Strike_Rate
0	DG Bradman (AUS)	1928-1948	52	80	10	6996	334	99.94	9800.0	58.60
1	AC Voges (AUS)	2015-2016	20	31	7	1485	269*	61.87	2667.0	55.68
2	RG Pollock (SA)	1963-1970	23	41	4	2256	274	60.97	1707.0	54.48
3	GA Headley (WI)	1930-1954	22	40	4	2190	270*	60.83	416.0	56.00
5	H Sutcliffe (ENG)	1924-1935	54	84	9	4555	194	60.73	6558.0	34.59
...
62	KD Walters (AUS)	1965-1981	74	125	14	5357	250	48.26	8662.0	49.16
63	GC Smith (ICC/SA)	2002-2014	117	205	13	9265	277	48.25	15525.0	59.67
64	WH Ponsford (AUS)	1924-1934	29	48	4	2122	266	48.22	3118.0	44.77
65	SJ McCabe (AUS)	1930-1938	39	62	5	2748	232	48.21	3217.0	60.02
66	DR Jardine (ENG)	1928-1934	22	33	6	1296	127	48.00	2110.0	25.59

63 rows × 17 columns



```
In [19]: #drop Span column
df.drop(['Span'],axis = 1)
```

Out[19]:

	Player	Matches	Inns	Not_Outs	Runs	Highest_Inns_Score	Ave	Balls_Faced	Batting_Strike_Rate	100
0	DG Bradman (AUS)	52	80	10	6996	334	99.94	9800.0	58.60	29
1	AC Voges (AUS)	20	31	7	1485	269*	61.87	2667.0	55.68	5
2	RG Pollock (SA)	23	41	4	2256	274	60.97	1707.0	54.48	7
3	GA Headley (WI)	22	40	4	2190	270*	60.83	416.0	56.00	10
5	H Sutcliffe (ENG)	54	84	9	4555	194	60.73	6558.0	34.59	16
...
62	KD Walters (AUS)	74	125	14	5357	250	48.26	8662.0	49.16	15
63	GC Smith (ICC/SA)	117	205	13	9265	277	48.25	15525.0	59.67	27
64	WH Ponsford (AUS)	29	48	4	2122	266	48.22	3118.0	44.77	7
65	SJ McCabe (AUS)	39	62	5	2748	232	48.21	3217.0	60.02	6
66	DR Jardine (ENG)	22	33	6	1296	127	48.00	2110.0	25.59	1

63 rows × 16 columns

```
In [20]: df.head()
```

Out[20]:

	Player	Span	Matches	Inns	Not_Outs	Runs	Highest_Inns_Score	Ave	Balls_Faced	Batting_Strike_Rate
0	DG Bradman (AUS)	1928-1948	52	80	10	6996	334	99.94	9800.0	58.60
1	AC Voges (AUS)	2015-2016	20	31	7	1485	269*	61.87	2667.0	55.68
2	RG Pollock (SA)	1963-1970	23	41	4	2256	274	60.97	1707.0	54.48
3	GA Headley (WI)	1930-1954	22	40	4	2190	270*	60.83	416.0	56.00
5	H Sutcliffe (ENG)	1924-1935	54	84	9	4555	194	60.73	6558.0	34.59


```
In [21]: #Question -> Split up the Country from the player
```

```
In [22]: df['Player'].str.split(pat='(')
```

```
Out[22]: 0      [DG Bradman , AUS]
1      [AC Voges , AUS]
2      [RG Pollock , SA]
3      [GA Headley , WI]
5      [H Sutcliffe , ENG]
...
62     [KD Walters , AUS]
63     [GC Smith , ICC/SA]
64     [WH Ponsford , AUS]
65     [SJ McCabe , AUS]
66     [DR Jardine , ENG]
Name: Player, Length: 63, dtype: object
```

```
In [23]: df['Country'] = df['Player'].str.split(pat='(').str[1]
```

C:\Users\verma\AppData\Local\Temp\ipykernel_17604\1102775048.py:1: SettingWithCopyWarning:
A value is trying to be set on a copy of a slice from a DataFrame.
Try using .loc[row_indexer,col_indexer] = value instead

See the caveats in the documentation: https://pandas.pydata.org/pandas-docs/stable/user_guide/indexing.html#returning-a-view-versus-a-copy (https://pandas.pydata.org/pandas-docs/stable/user_guide/indexing.html#returning-a-view-versus-a-copy)
df['Country'] = df['Player'].str.split(pat='(').str[1]

```
In [24]: df['Country'] = df['Country'].str.split(pat = ')').str[0]
df['Country']
```

C:\Users\verma\AppData\Local\Temp\ipykernel_17604\32286923.py:1: SettingWithCopyWarning:
A value is trying to be set on a copy of a slice from a DataFrame.
Try using .loc[row_indexer,col_indexer] = value instead


See the caveats in the documentation: https://pandas.pydata.org/pandas-docs/stable/user_guide/indexing.html#returning-a-view-versus-a-copy (https://pandas.pydata.org/pandas-docs/stable/user_guide/indexing.html#returning-a-view-versus-a-copy)
df['Country'] = df['Country'].str.split(pat = ')').str[0]

```
Out[24]: 0      AUS
1      AUS
2      SA
3      WI
5      ENG
...
62     AUS
63     ICC/SA
64     AUS
65     AUS
66     ENG
Name: Country, Length: 63, dtype: object
```

```
In [25]: df.head()
```

Out[25]:

	Player	Span	Matches	Inns	Not_Outs	Runs	Highest_Inns_Score	Ave	Balls_Faced	Batting_Strike_Rate
0	DG Bradman (AUS)	1928- 1948	52	80	10	6996	334	99.94	9800.0	58.60
1	AC Voges (AUS)	2015- 2016	20	31	7	1485	269*	61.87	2667.0	55.68
2	RG Pollock (SA)	1963- 1970	23	41	4	2256	274	60.97	1707.0	54.48
3	GA Headley (WI)	1930- 1954	22	40	4	2190	270*	60.83	416.0	56.00
5	H Sutcliffe (ENG)	1924- 1935	54	84	9	4555	194	60.73	6558.0	34.59



```
In [26]: #change datatypes  
df.dtypes
```

```
Out[26]: Player          object  
Span          object  
Matches       int64  
Inns          int64  
Not_Outs      int64  
Runs          int64  
Highest_Inns_Score  object  
Ave           float64  
Balls_Faced   float64  
Batting_Strike_Rate float64  
100           int64  
50            int64  
0             int64  
4s            int64  
6s            int64  
Rookie_year   object  
Final_year    object  
Country       object  
dtype: object
```

```
In [27]: df['Highest_Inns_Score'].str.split(pat='*').str[0]
```

```
Out[27]: 0      334  
1      269  
2      274  
3      270  
5      194  
...  
62     250  
63     277  
64     266  
65     232  
66     127  
Name: Highest_Inns_Score, Length: 63, dtype: object
```

```
In [28]: df['Highest_Inns_Score'] = df['Highest_Inns_Score'].str.split(pat='*').str[0]
```

C:\Users\verma\AppData\Local\Temp\ipykernel_17604\805221489.py:1: SettingWithCopyWarning:
A value is trying to be set on a copy of a slice from a DataFrame.
Try using .loc[row_indexer,col_indexer] = value instead

See the caveats in the documentation: https://pandas.pydata.org/pandas-docs/stable/user_guide/indexing.html#returning-a-view-versus-a-copy (https://pandas.pydata.org/pandas-docs/stable/user_guide/indexing.html#returning-a-view-versus-a-copy)

```
df['Highest_Inns_Score'] = df['Highest_Inns_Score'].str.split(pat='*').str[0]
```

```
In [29]: df['Highest_Inns_Score'].astype('int')
```

```
Out[29]: 0      334  
1      269  
2      274  
3      270  
5      194  
...  
62     250  
63     277  
64     266  
65     232  
66     127  
Name: Highest_Inns_Score, Length: 63, dtype: int32
```

```
In [30]: df['Highest_Inns_Score'] = df['Highest_Inns_Score'].astype('int')
```

C:\Users\verma\AppData\Local\Temp\ipykernel_17604\2413117690.py:1: SettingWithCopyWarning:
A value is trying to be set on a copy of a slice from a DataFrame.
Try using .loc[row_indexer,col_indexer] = value instead

See the caveats in the documentation: https://pandas.pydata.org/pandas-docs/stable/user_guide/indexing.html#returning-a-view-versus-a-copy (https://pandas.pydata.org/pandas-docs/stable/user_guide/indexing.html#returning-a-view-versus-a-copy)

```
df['Highest_Inns_Score'] = df['Highest_Inns_Score'].astype('int')
```

```
In [31]: df.dtypes
```

```
Out[31]: Player          object  
Span          object  
Matches        int64  
Inns           int64  
Not_Outs       int64  
Runs           int64  
Highest_Inns_Score  int32  
Ave            float64  
Balls_Faced    float64  
Batting_Strike_Rate float64  
100            int64  
50             int64  
0              int64  
4s             int64  
6s             int64  
Rookie_year    object  
Final_year     object  
Country        object  
dtype: object
```

```
In [32]: #question check to fix Rookie year and final year
```

```
In [33]: df = df.astype({'Rookie_year': 'int', 'Final_year': 'int'})
```

```
In [34]: df.dtypes
```

```
Out[34]: Player          object
Span          object
Matches        int64
Inns           int64
Not_Outs       int64
Runs           int64
Highest_Inns_Score int32
Ave            float64
Balls_Faced    float64
Batting_Strike_Rate float64
100            int64
50             int64
0             int64
4s            int64
6s            int64
Rookie_year    int32
Final_year     int32
Country        object
dtype: object
```

```
In [35]: df.isnull().any()
```

```
Out[35]: Player          False
Span          False
Matches        False
Inns           False
Not_Outs       False
Runs           False
Highest_Inns_Score False
Ave            False
Balls_Faced    False
Batting_Strike_Rate False
100            False
50             False
0             False
4s            False
6s            False
Rookie_year    False
Final_year     False
Country        False
dtype: bool
```

```
In [36]: pd.set_option('display.max_rows',None) # show full dataset
df
```

14	Sangakkara (SL)	2000-2015	134	233	17	12400	319	57.40	22882.0
15	SPD Smith (AUS)	2010-2024	109	195	25	9685	239	56.97	18100.0
16	JB Hobbs (ENG)	1908-1930	61	102	7	5410	211	56.94	5363.0
18	CL Walcott (WI)	1948-1960	44	74	7	3798	220	56.68	0.0
19	L Hutton (ENG)	1937-1955	79	138	15	6971	364	56.67	2844.0
20	JH Kallis (ICC/SA)	1995-2013	166	280	40	13289	224	55.37	28903.0
21	GE Tyllesley (ENG)	1921-1929	14	20	2	990	122	55.00	178.0
22	KS Williamson (NZ)	2010-2024	102	180	17	8881	251	54.48	17267.0

```
In [37]: ##question build out Career_Length column
        #int convert rooki/final year and subtract
```

```
In [38]: df['career_lentgh']=df['Final_year'] - df['Rookie_year']
        df
```

12	GS Sobers (WI)	1954-1974	93	160	21	8032	365	57.78	4063.0
14	KC Sangakkara (SL)	2000-2015	134	233	17	12400	319	57.40	22882.0
15	SPD Smith (AUS)	2010-2024	109	195	25	9685	239	56.97	18100.0
16	JB Hobbs (ENG)	1908-1930	61	102	7	5410	211	56.94	5363.0
18	CL Walcott (WI)	1948-1960	44	74	7	3798	220	56.68	0.0
19	L Hutton (ENG)	1937-1955	79	138	15	6971	364	56.67	2844.0
20	JH Kallis (ICC/SA)	1995-2013	166	280	40	13289	224	55.37	28903.0
21	GE Tyldesley (ENG)	1921-1933	14	20	2	990	122	55.00	178.0

```
In [39]: #Question 1-> Cricketers in this Df what is the average career Length
```

```
In [40]: df['career_lentgh'].mean()
```

```
Out[40]: 12.968253968253968
```

```
In [41]: #question Avg Batting_strike_Rate for crickters who playes over 10 years
```

```
In [42]: df[df['career_lentgh']>10]['Batting_Strike_Rate'].mean()
```

```
Out[42]: 47.967727272727274
```

```
In [43]: #question Find number of crickters who played before 1960
```

```
In [44]: df[df['Rookie_year']<1960]['Player'].count()
```

```
Out[44]: 23
```

```
In [45]: #question Max Highest Inns Score by country
```

```
In [46]: df.groupby('Country')['Highest_Inns_Score'].max().to_frame('Highincountry').reset_index().s
```

Out[46]:

	Country	Highincountry
5	ICC/WI	400
0	AUS	380
10	SL	374
11	WI	365
1	ENG	364
3	ICC/PAK	329
2	ICC/IND	319
8	PAK	313
9	SA	278
4	ICC/SA	277
6	IND	254
7	NZ	251
12	ZIM	232

```
In [47]: #question hundreds,Fifties,ducks(0) avg by country
```

```
In [48]: df.groupby('Country')[['100','50','0']].mean()
```

Out[48]:

	100	50	0
Country			
AUS	20.625000	28.375000	8.562500
ENG	12.846154	21.230769	4.307692
ICC/IND	29.500000	47.500000	12.000000
ICC/PAK	25.000000	46.000000	15.000000
ICC/SA	36.000000	48.000000	13.500000
ICC/WI	34.000000	48.000000	17.000000
IND	24.200000	30.800000	9.000000
NZ	32.000000	35.000000	11.000000
PAK	17.600000	23.800000	7.800000
SA	9.800000	20.200000	3.400000
SL	28.666667	44.000000	12.333333
WI	16.625000	25.625000	7.250000
ZIM	12.000000	27.000000	5.000000