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In [17]: main()
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1. Match Stats since year 2000

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Fig 1.1 - Innings Team

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|   | team      | batting | total | won | lost |
|---|-----------|---------|-------|-----|------|
| 0 | australia | 1st     | 260   | 177 | 83   |
| 1 | australia | 2nd     | 192   | 135 | 57   |
| 2 | india     | 1st     | 228   | 129 | 99   |
| 3 | india     | 2nd     | 280   | 176 | 104  |

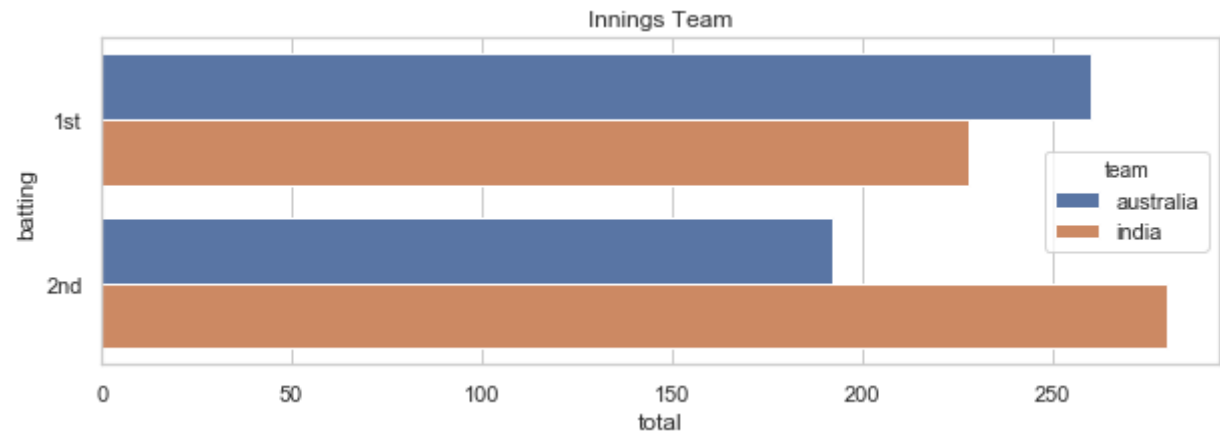
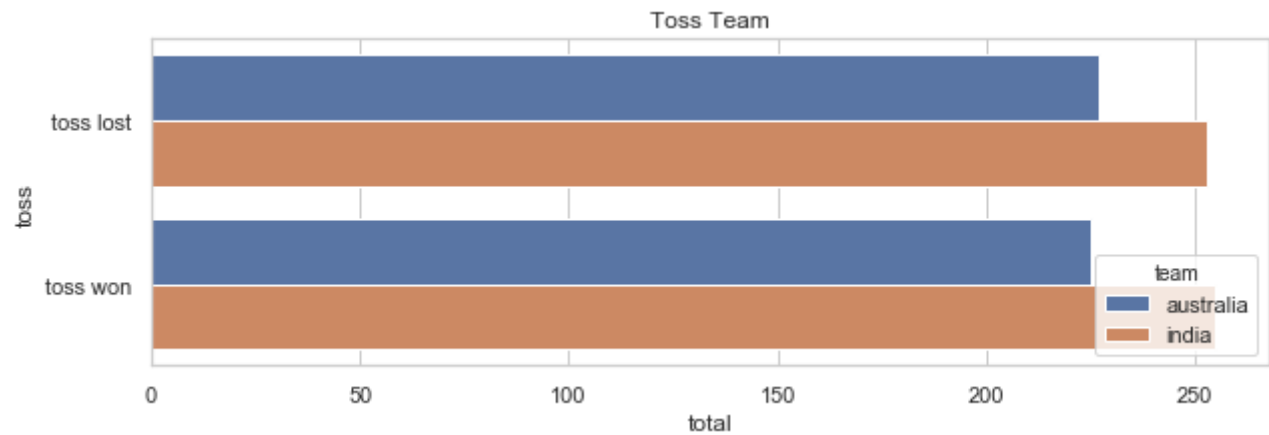


Fig 1.2 - Toss Team

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	team	toss	total	won	lost
0	australia	toss lost	227	165	62
1	australia	toss won	225	147	78
2	india	toss lost	253	144	109
3	india	toss won	255	161	94



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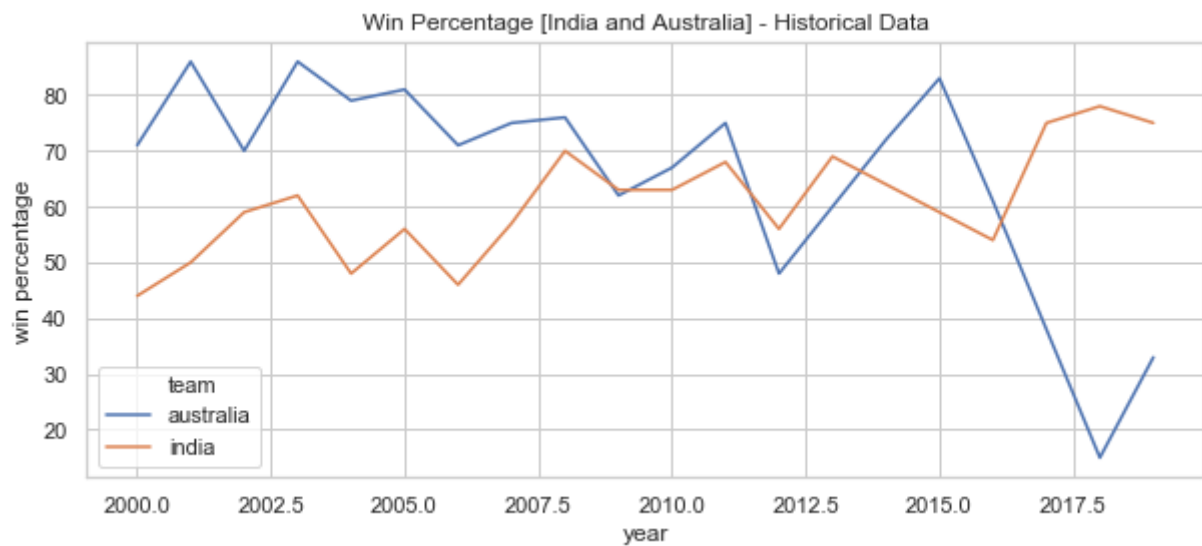
2. Team Stats since year 2000

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Fig 2.1 - Win Percentage [India and Australia] - Historical Data

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|    | year | team      | won | lost | win percentage |
|----|------|-----------|-----|------|----------------|
| 0  | 2000 | australia | 15  | 6    | 71             |
| 1  | 2000 | india     | 15  | 19   | 44             |
| 2  | 2001 | australia | 18  | 3    | 86             |
| 3  | 2001 | india     | 12  | 12   | 50             |
| 4  | 2002 | australia | 19  | 8    | 70             |
| 5  | 2002 | india     | 19  | 13   | 59             |
| 6  | 2003 | australia | 30  | 5    | 86             |
| 7  | 2003 | india     | 16  | 10   | 62             |
| 8  | 2004 | australia | 19  | 5    | 79             |
| 9  | 2004 | india     | 15  | 16   | 48             |
| 10 | 2005 | australia | 21  | 5    | 81             |
| 11 | 2005 | india     | 15  | 12   | 56             |
| 12 | 2006 | australia | 20  | 8    | 71             |
| 13 | 2006 | india     | 13  | 15   | 46             |
| 14 | 2007 | australia | 24  | 8    | 75             |
| 15 | 2007 | india     | 20  | 15   | 57             |
| 16 | 2008 | australia | 13  | 4    | 76             |
| 17 | 2008 | india     | 19  | 8    | 70             |
| 18 | 2009 | australia | 23  | 14   | 62             |
| 19 | 2009 | india     | 17  | 10   | 63             |
| 20 | 2010 | australia | 16  | 8    | 67             |
| 21 | 2010 | india     | 17  | 10   | 63             |
| 22 | 2011 | australia | 18  | 6    | 75             |
| 23 | 2011 | india     | 21  | 10   | 68             |
| 24 | 2012 | australia | 11  | 12   | 48             |
| 25 | 2012 | india     | 9   | 7    | 56             |
| 26 | 2013 | australia | 12  | 8    | 60             |
| 27 | 2013 | india     | 22  | 10   | 69             |
| 28 | 2014 | australia | 13  | 5    | 72             |
| 29 | 2014 | india     | 14  | 8    | 64             |
| 30 | 2015 | australia | 15  | 3    | 83             |
| 31 | 2015 | india     | 13  | 9    | 59             |
| 32 | 2016 | australia | 17  | 11   | 61             |
| 33 | 2016 | india     | 7   | 6    | 54             |
| 34 | 2017 | australia | 5   | 8    | 38             |
| 35 | 2017 | india     | 21  | 7    | 75             |
| 36 | 2018 | australia | 2   | 11   | 15             |
| 37 | 2018 | india     | 14  | 4    | 78             |
| 38 | 2019 | australia | 1   | 2    | 33             |
| 39 | 2019 | india     | 6   | 2    | 75             |



|   | team      | won | lost | win percentage |
|---|-----------|-----|------|----------------|
| 0 | australia | 312 | 140  | 69             |
| 1 | india     | 305 | 203  | 60             |

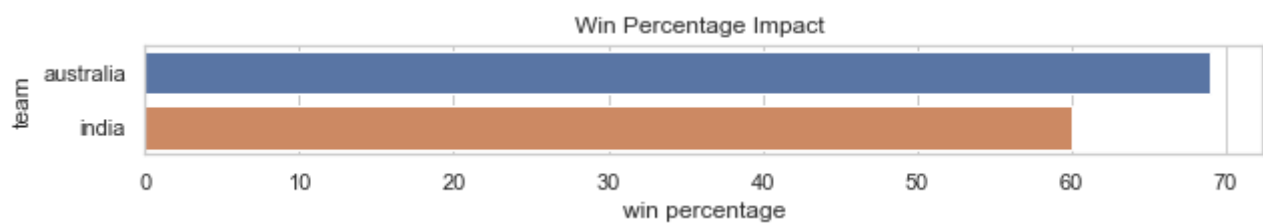
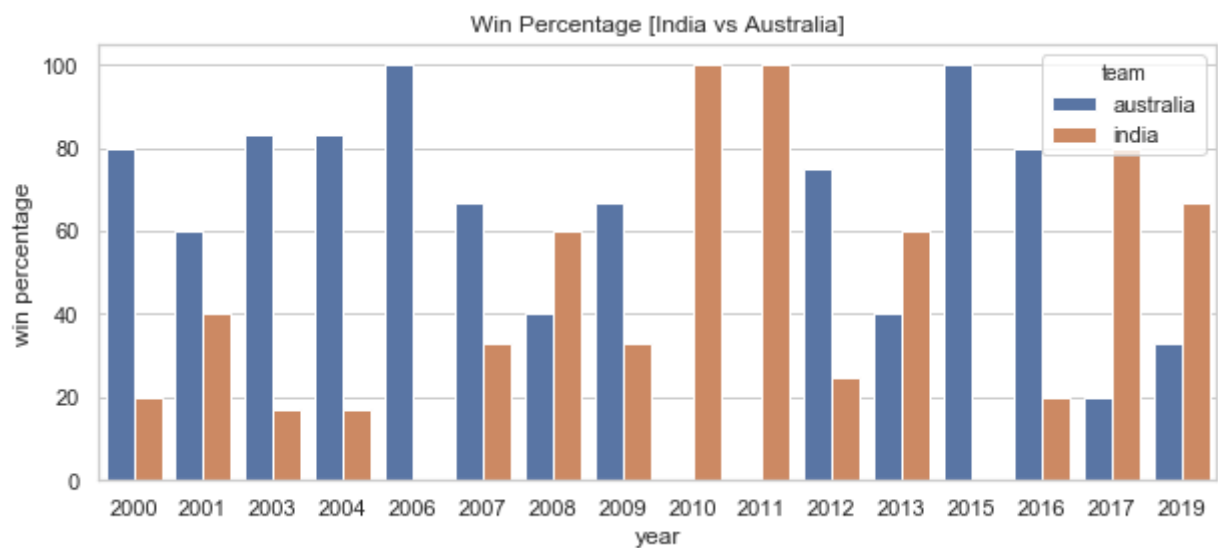


Fig 2.2 - Win Percentage [India vs Australia]

|    | year | team      | won | lost | win percentage |
|----|------|-----------|-----|------|----------------|
| 0  | 2000 | australia | 4   | 1    | 80             |
| 1  | 2000 | india     | 1   | 4    | 20             |
| 2  | 2001 | australia | 3   | 2    | 60             |
| 3  | 2001 | india     | 2   | 3    | 40             |
| 4  | 2003 | australia | 5   | 1    | 83             |
| 5  | 2003 | india     | 1   | 5    | 17             |
| 6  | 2004 | australia | 5   | 1    | 83             |
| 7  | 2004 | india     | 1   | 5    | 17             |
| 8  | 2006 | australia | 2   | 0    | 100            |
| 9  | 2006 | india     | 0   | 2    | 0              |
| 10 | 2007 | australia | 4   | 2    | 67             |
| 11 | 2007 | india     | 2   | 4    | 33             |
| 12 | 2008 | australia | 2   | 3    | 40             |
| 13 | 2008 | india     | 3   | 2    | 60             |
| 14 | 2009 | australia | 4   | 2    | 67             |
| 15 | 2009 | india     | 2   | 4    | 33             |
| 16 | 2010 | australia | 0   | 1    | 0              |
| 17 | 2010 | india     | 1   | 0    | 100            |
| 18 | 2011 | australia | 0   | 1    | 0              |

|    | year | team      | won | lost | win percentage |
|----|------|-----------|-----|------|----------------|
| 19 | 2011 | india     | 1   | 0    | 100            |
| 20 | 2012 | australia | 3   | 1    | 75             |
| 21 | 2012 | india     | 1   | 3    | 25             |
| 22 | 2013 | australia | 2   | 3    | 40             |
| 23 | 2013 | india     | 3   | 2    | 60             |
| 24 | 2015 | australia | 2   | 0    | 100            |
| 25 | 2015 | india     | 0   | 2    | 0              |
| 26 | 2016 | australia | 4   | 1    | 80             |
| 27 | 2016 | india     | 1   | 4    | 20             |
| 28 | 2017 | australia | 1   | 4    | 20             |
| 29 | 2017 | india     | 4   | 1    | 80             |
| 30 | 2019 | australia | 1   | 2    | 33             |
| 31 | 2019 | india     | 2   | 1    | 67             |



|   | team      | won | lost | win percentage |
|---|-----------|-----|------|----------------|
| 0 | australia | 42  | 25   | 63             |
| 1 | india     | 25  | 42   | 37             |

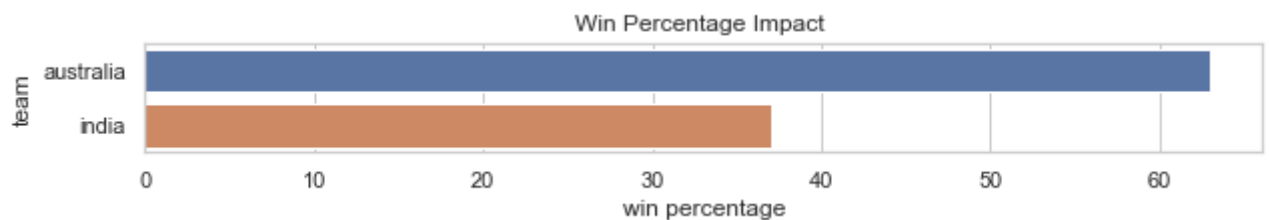
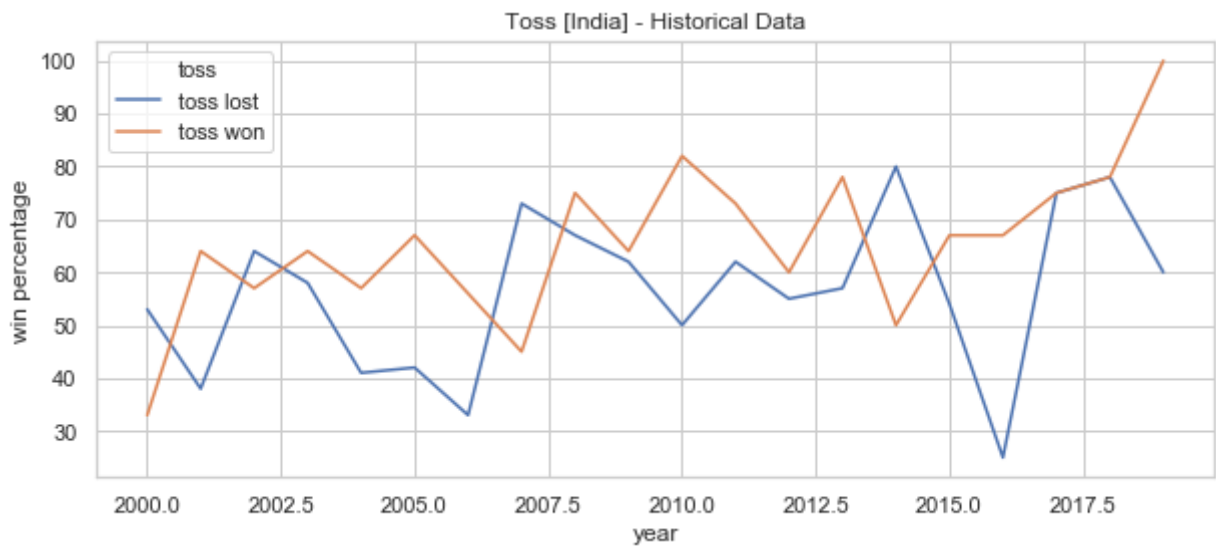


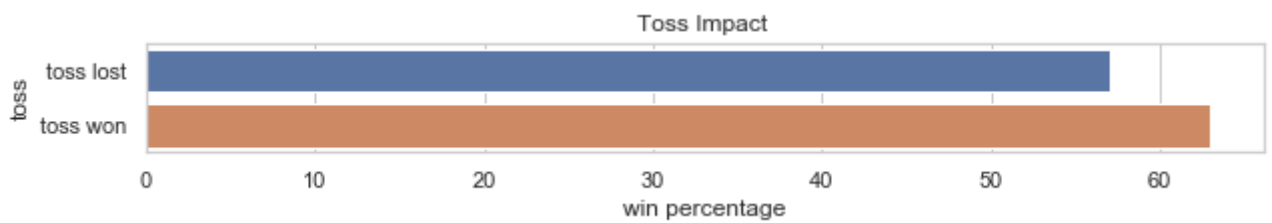
Fig 2.3 - Toss [India] - Historical Data

|   | year | toss      | won | lost | win percentage |
|---|------|-----------|-----|------|----------------|
| 0 | 2000 | toss lost | 10  | 9    | 53             |
| 1 | 2000 | toss won  | 5   | 10   | 33             |
| 2 | 2001 | toss lost | 5   | 8    | 38             |
| 3 | 2001 | toss won  | 7   | 4    | 64             |

|    | year | toss      | won | lost | win percentage |
|----|------|-----------|-----|------|----------------|
| 4  | 2002 | toss lost | 7   | 4    | 64             |
| 5  | 2002 | toss won  | 12  | 9    | 57             |
| 6  | 2003 | toss lost | 7   | 5    | 58             |
| 7  | 2003 | toss won  | 9   | 5    | 64             |
| 8  | 2004 | toss lost | 7   | 10   | 41             |
| 9  | 2004 | toss won  | 8   | 6    | 57             |
| 10 | 2005 | toss lost | 5   | 7    | 42             |
| 11 | 2005 | toss won  | 10  | 5    | 67             |
| 12 | 2006 | toss lost | 4   | 8    | 33             |
| 13 | 2006 | toss won  | 9   | 7    | 56             |
| 14 | 2007 | toss lost | 11  | 4    | 73             |
| 15 | 2007 | toss won  | 9   | 11   | 45             |
| 16 | 2008 | toss lost | 10  | 5    | 67             |
| 17 | 2008 | toss won  | 9   | 3    | 75             |
| 18 | 2009 | toss lost | 8   | 5    | 62             |
| 19 | 2009 | toss won  | 9   | 5    | 64             |
| 20 | 2010 | toss lost | 8   | 8    | 50             |
| 21 | 2010 | toss won  | 9   | 2    | 82             |
| 22 | 2011 | toss lost | 10  | 6    | 62             |
| 23 | 2011 | toss won  | 11  | 4    | 73             |
| 24 | 2012 | toss lost | 6   | 5    | 55             |
| 25 | 2012 | toss won  | 3   | 2    | 60             |
| 26 | 2013 | toss lost | 8   | 6    | 57             |
| 27 | 2013 | toss won  | 14  | 4    | 78             |
| 28 | 2014 | toss lost | 8   | 2    | 80             |
| 29 | 2014 | toss won  | 6   | 6    | 50             |
| 30 | 2015 | toss lost | 7   | 6    | 54             |
| 31 | 2015 | toss won  | 6   | 3    | 67             |
| 32 | 2016 | toss lost | 1   | 3    | 25             |
| 33 | 2016 | toss won  | 6   | 3    | 67             |
| 34 | 2017 | toss lost | 12  | 4    | 75             |
| 35 | 2017 | toss won  | 9   | 3    | 75             |
| 36 | 2018 | toss lost | 7   | 2    | 78             |
| 37 | 2018 | toss won  | 7   | 2    | 78             |
| 38 | 2019 | toss lost | 3   | 2    | 60             |
| 39 | 2019 | toss won  | 3   | 0    | 100            |



|   | toss      | won | lost | win percentage |
|---|-----------|-----|------|----------------|
| 0 | toss lost | 144 | 109  | 57             |
| 1 | toss won  | 161 | 94   | 63             |

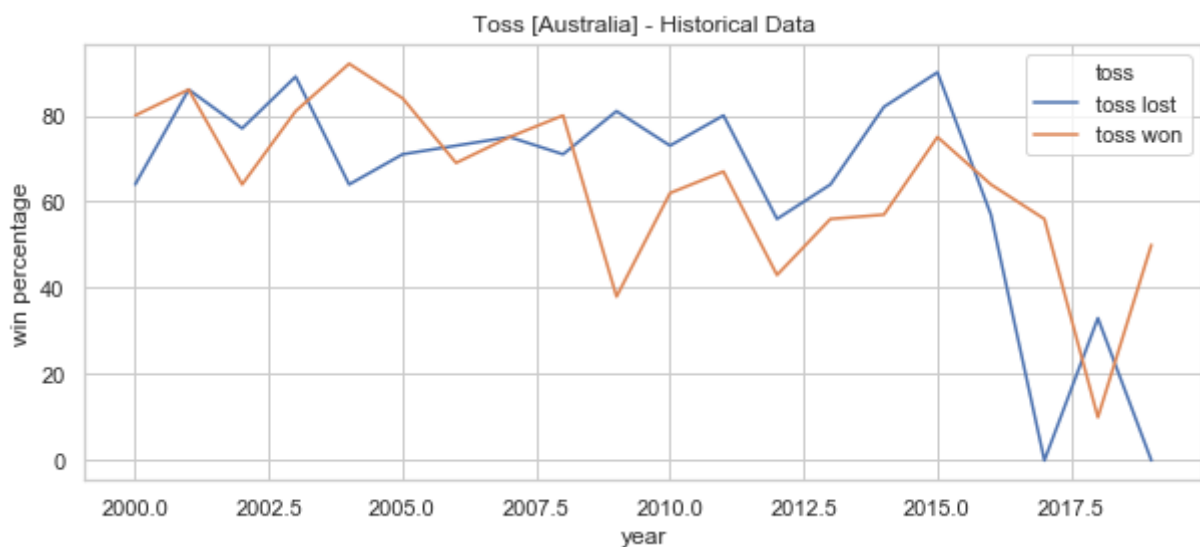


**Fig 2.4 - Toss [Australia] - Historical Data**

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	year	toss	won	lost	win percentage
0	2000	toss lost	7	4	64
1	2000	toss won	8	2	80
2	2001	toss lost	12	2	86
3	2001	toss won	6	1	86
4	2002	toss lost	10	3	77
5	2002	toss won	9	5	64
6	2003	toss lost	17	2	89
7	2003	toss won	13	3	81
8	2004	toss lost	7	4	64
9	2004	toss won	12	1	92
10	2005	toss lost	5	2	71
11	2005	toss won	16	3	84
12	2006	toss lost	11	4	73
13	2006	toss won	9	4	69
14	2007	toss lost	15	5	75
15	2007	toss won	9	3	75
16	2008	toss lost	5	2	71
17	2008	toss won	8	2	80

	year	toss	won	lost	win percentage
18	2009	toss lost	17	4	81
19	2009	toss won	6	10	38
20	2010	toss lost	8	3	73
21	2010	toss won	8	5	62
22	2011	toss lost	12	3	80
23	2011	toss won	6	3	67
24	2012	toss lost	5	4	56
25	2012	toss won	6	8	43
26	2013	toss lost	7	4	64
27	2013	toss won	5	4	56
28	2014	toss lost	9	2	82
29	2014	toss won	4	3	57
30	2015	toss lost	9	1	90
31	2015	toss won	6	2	75
32	2016	toss lost	8	6	57
33	2016	toss won	9	5	64
34	2017	toss lost	0	4	0
35	2017	toss won	5	4	56
36	2018	toss lost	1	2	33
37	2018	toss won	1	9	10
38	2019	toss lost	0	1	0
39	2019	toss won	1	1	50



	toss	won	lost	win percentage
0	toss lost	165	62	73
1	toss won	147	78	65

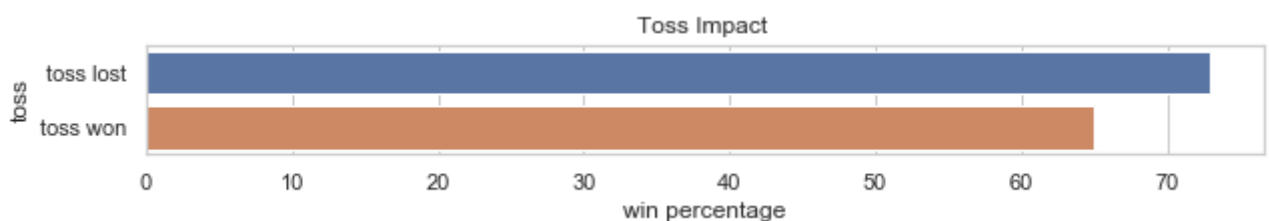
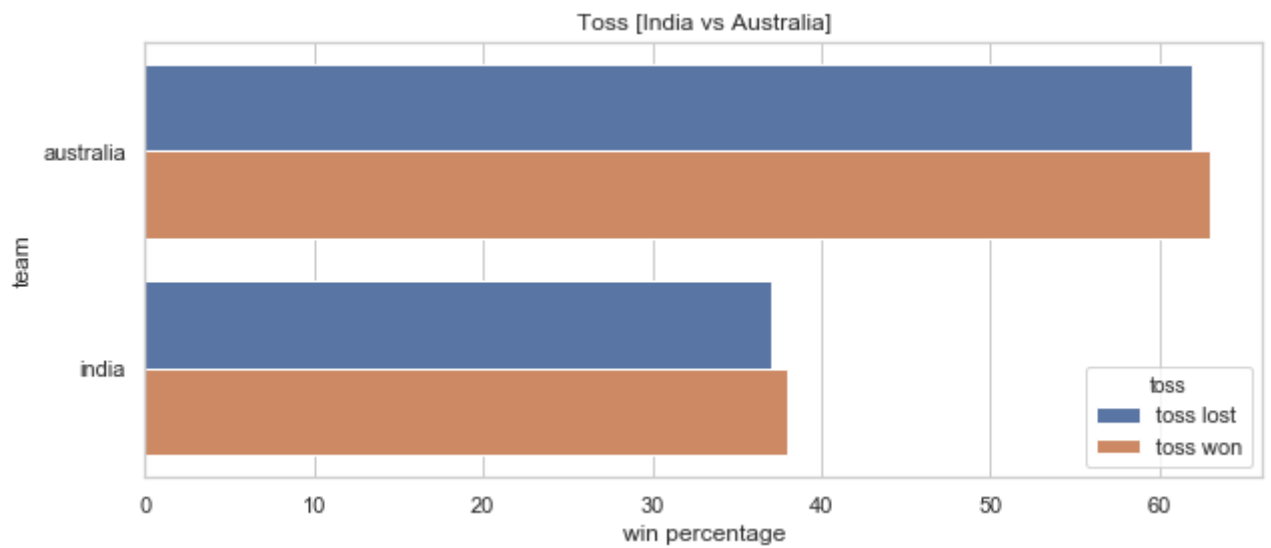


Fig 2.5 - Toss [India vs Australia]

	team	toss	won	lost	win percentage
0	australia	toss lost	18	11	62
1	australia	toss won	24	14	63
2	india	toss lost	14	24	37
3	india	toss won	11	18	38



	toss	won	lost	win percentage
0	toss lost	32	35	48
1	toss won	35	32	52

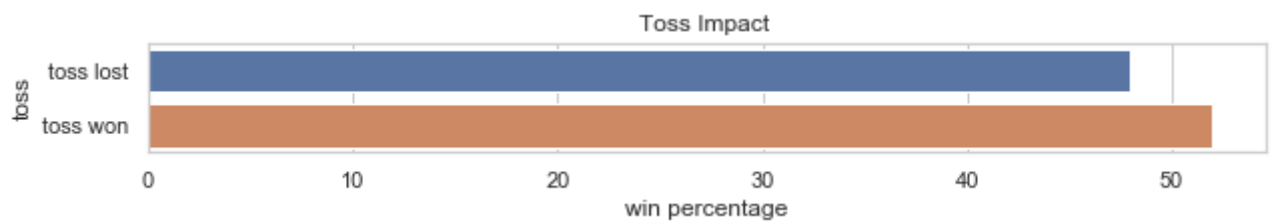
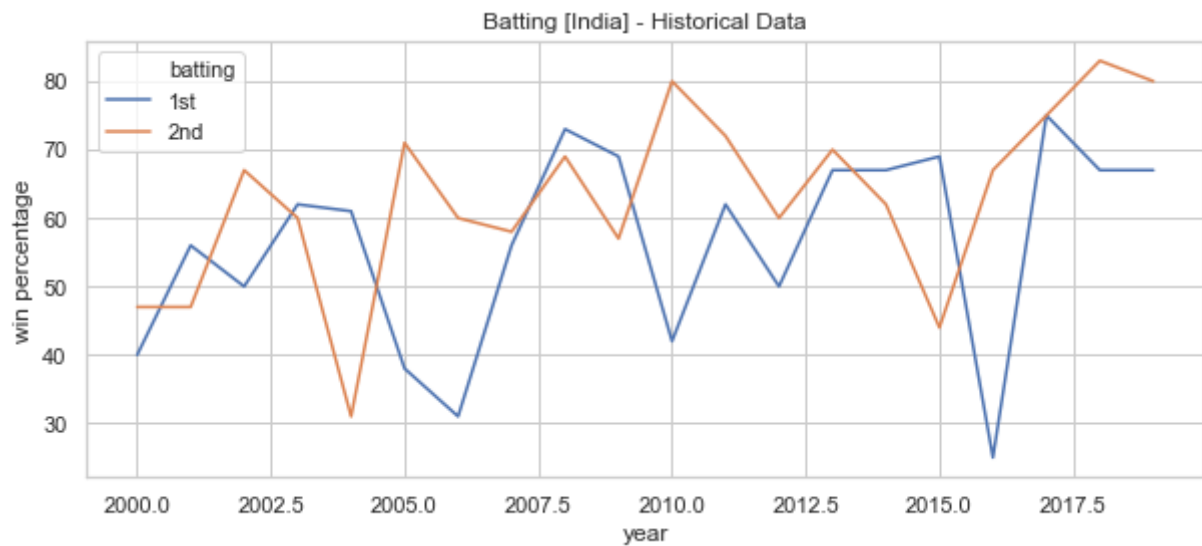


Fig 2.6 - Batting [India] - Historical Data

	year	batting	won	lost	win percentage
0	2000	1st	6	9	40
1	2000	2nd	9	10	47
2	2001	1st	5	4	56
3	2001	2nd	7	8	47
4	2002	1st	7	7	50
5	2002	2nd	12	6	67
6	2003	1st	10	6	62



	year	batting	won	lost	win percentage
7	2003	2nd	6	4	60
8	2004	1st	11	7	61
9	2004	2nd	4	9	31
10	2005	1st	5	8	38
11	2005	2nd	10	4	71
12	2006	1st	4	9	31
13	2006	2nd	9	6	60
14	2007	1st	9	7	56
15	2007	2nd	11	8	58
16	2008	1st	8	3	73
17	2008	2nd	11	5	69
18	2009	1st	9	4	69
19	2009	2nd	8	6	57
20	2010	1st	5	7	42
21	2010	2nd	12	3	80
22	2011	1st	8	5	62
23	2011	2nd	13	5	72
24	2012	1st	3	3	50
25	2012	2nd	6	4	60
26	2013	1st	8	4	67
27	2013	2nd	14	6	70
28	2014	1st	6	3	67
29	2014	2nd	8	5	62
30	2015	1st	9	4	69
31	2015	2nd	4	5	44
32	2016	1st	1	3	25
33	2016	2nd	6	3	67
34	2017	1st	9	3	75
35	2017	2nd	12	4	75
36	2018	1st	4	2	67
37	2018	2nd	10	2	83
38	2019	1st	2	1	67
39	2019	2nd	4	1	80



	batting	won	lost	win percentage
0	1st	129	99	57
1	2nd	176	104	63

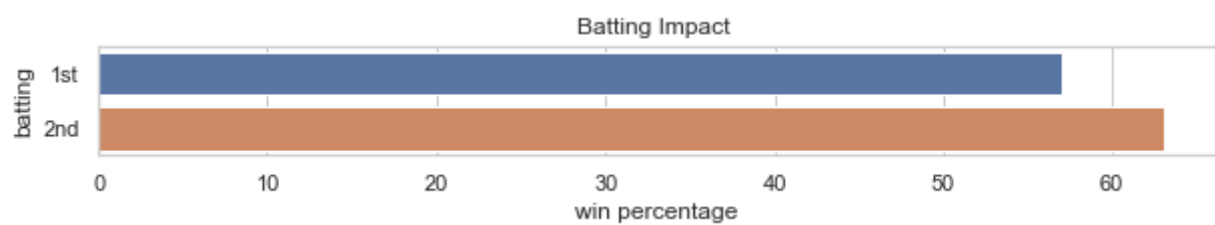
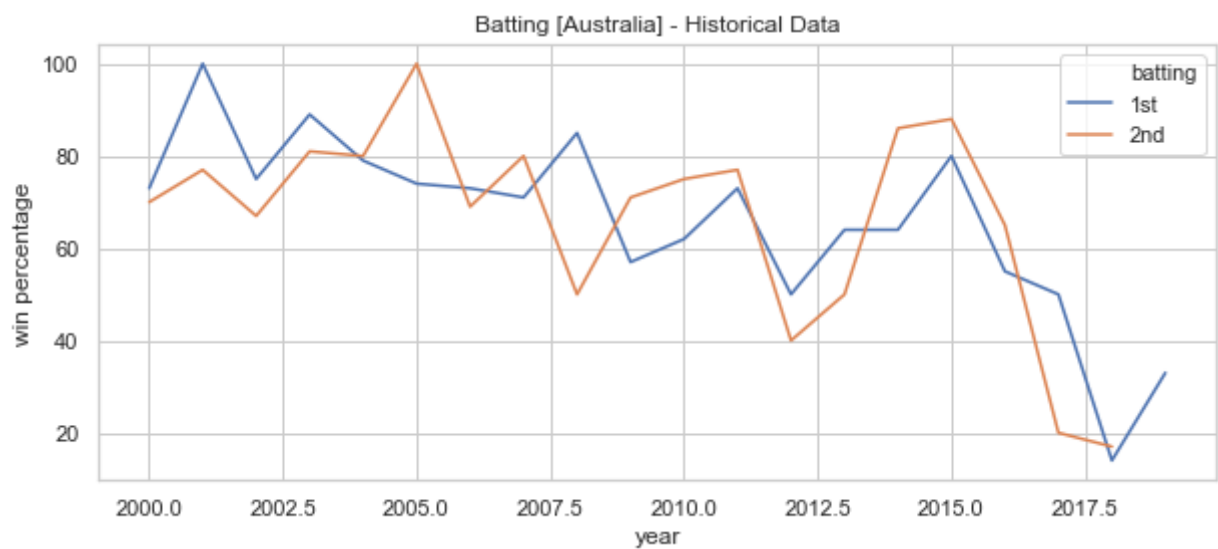


Fig 2.7 - Batting [Australia] - Historical Data

	year	batting	won	lost	win percentage
0	2000	1st	8	3	73
1	2000	2nd	7	3	70
2	2001	1st	8	0	100
3	2001	2nd	10	3	77
4	2002	1st	9	3	75
5	2002	2nd	10	5	67
6	2003	1st	17	2	89
7	2003	2nd	13	3	81
8	2004	1st	11	3	79
9	2004	2nd	8	2	80
10	2005	1st	14	5	74
11	2005	2nd	7	0	100
12	2006	1st	11	4	73
13	2006	2nd	9	4	69
14	2007	1st	12	5	71
15	2007	2nd	12	3	80
16	2008	1st	11	2	85
17	2008	2nd	2	2	50

	year	batting	won	lost	win percentage
18	2009	1st	13	10	57
19	2009	2nd	10	4	71
20	2010	1st	10	6	62
21	2010	2nd	6	2	75
22	2011	1st	8	3	73
23	2011	2nd	10	3	77
24	2012	1st	9	9	50
25	2012	2nd	2	3	40
26	2013	1st	9	5	64
27	2013	2nd	3	3	50
28	2014	1st	7	4	64
29	2014	2nd	6	1	86
30	2015	1st	8	2	80
31	2015	2nd	7	1	88
32	2016	1st	6	5	55
33	2016	2nd	11	6	65
34	2017	1st	4	4	50
35	2017	2nd	1	4	20
36	2018	1st	1	6	14
37	2018	2nd	1	5	17
38	2019	1st	1	2	33



	batting	won	lost	win percentage
0	1st	177	83	68
1	2nd	135	57	70

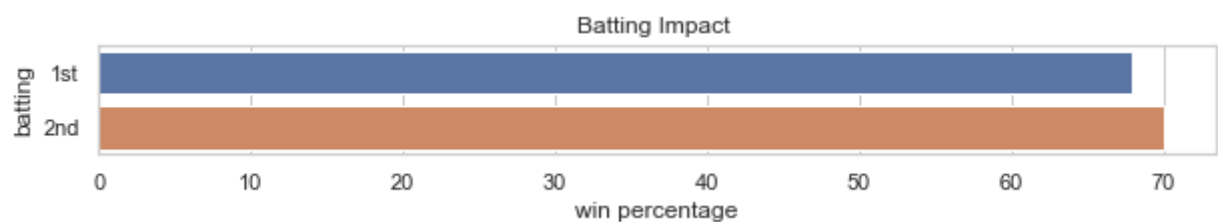
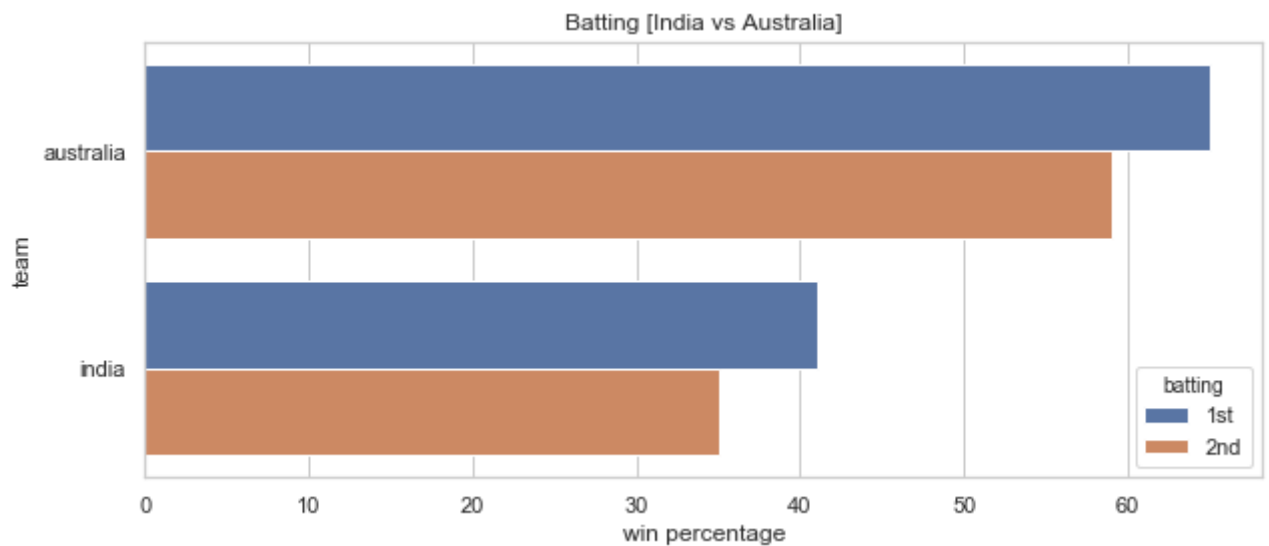


Fig 2.8 - Batting [India vs Australia]

	team	batting	won	lost	win percentage
0	australia	1st	26	14	65
1	australia	2nd	16	11	59
2	india	1st	11	16	41
3	india	2nd	14	26	35



	batting	won	lost	win percentage
0	1st	37	30	55
1	2nd	30	37	45

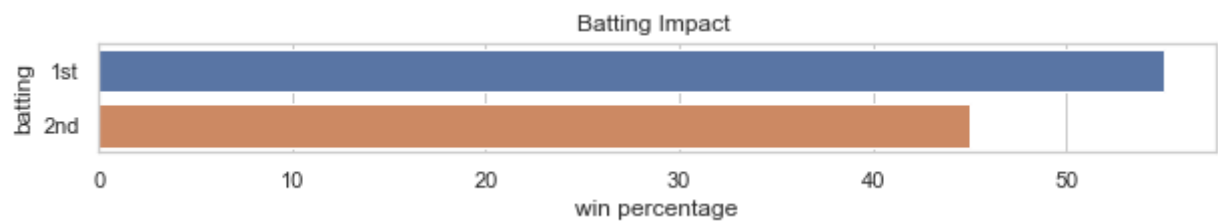
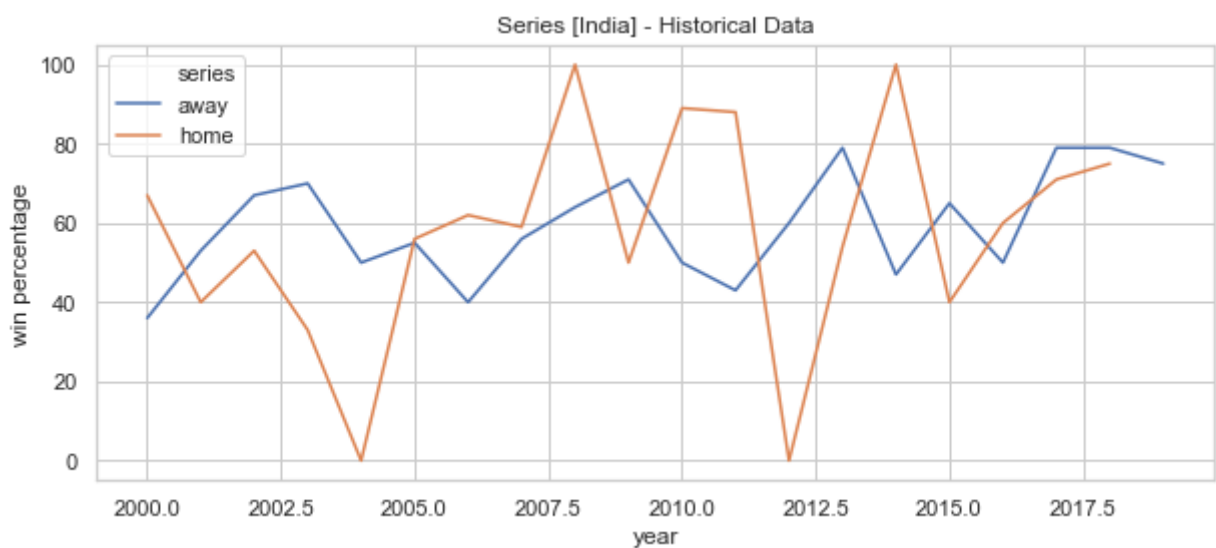


Fig 2.9 - Series [India] - Historical Data

	year	series	won	lost	win percentage
0	2000	away	9	16	36
1	2000	home	6	3	67
2	2001	away	10	9	53
3	2001	home	2	3	40
4	2002	away	10	5	67
5	2002	home	9	8	53
6	2003	away	14	6	70
7	2003	home	2	4	33
8	2004	away	15	15	50

	year	series	won	lost	win percentage
9	2004	home	0	1	0
10	2005	away	6	5	55
11	2005	home	9	7	56
12	2006	away	8	12	40
13	2006	home	5	3	62
14	2007	away	10	8	56
15	2007	home	10	7	59
16	2008	away	14	8	64
17	2008	home	5	0	100
18	2009	away	12	5	71
19	2009	home	5	5	50
20	2010	away	9	9	50
21	2010	home	8	1	89
22	2011	away	6	8	43
23	2011	home	15	2	88
24	2012	away	9	6	60
25	2012	home	0	1	0
26	2013	away	15	4	79
27	2013	home	7	6	54
28	2014	away	7	8	47
29	2014	home	7	0	100
30	2015	away	11	6	65
31	2015	home	2	3	40
32	2016	away	4	4	50
33	2016	home	3	2	60
34	2017	away	11	3	79
35	2017	home	10	4	71
36	2018	away	11	3	79
37	2018	home	3	1	75
38	2019	away	6	2	75



	series	won	lost	win percentage
0	away	197	142	58
1	home	108	61	64

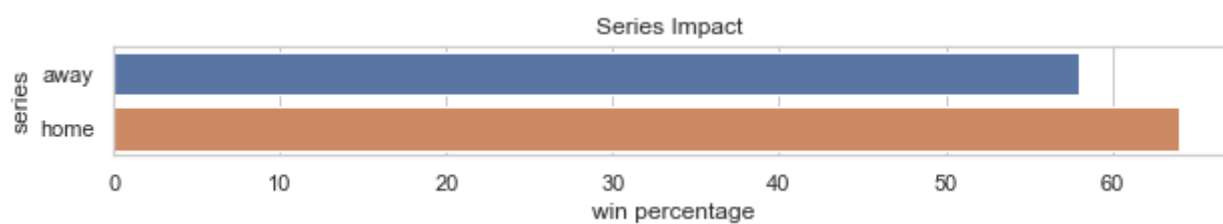
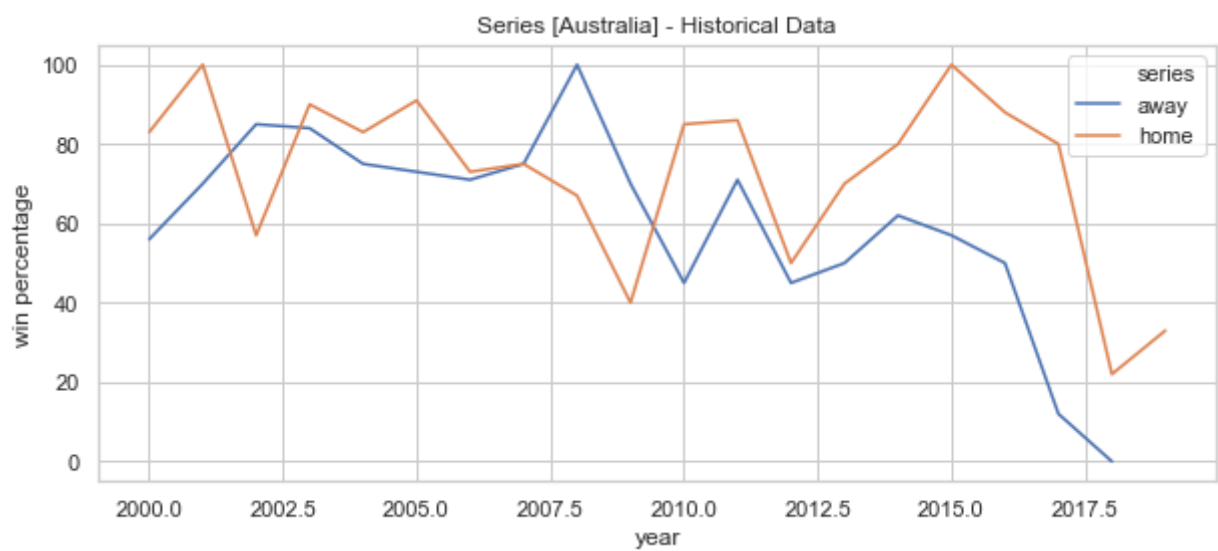


Fig 2.10 - Series [Australia] - Historical Data

	year	series	won	lost	win percentage
0	2000	away	5	4	56
1	2000	home	10	2	83
2	2001	away	7	3	70
3	2001	home	11	0	100
4	2002	away	11	2	85
5	2002	home	8	6	57
6	2003	away	21	4	84
7	2003	home	9	1	90
8	2004	away	9	3	75
9	2004	home	10	2	83
10	2005	away	11	4	73
11	2005	home	10	1	91
12	2006	away	12	5	71
13	2006	home	8	3	73
14	2007	away	15	5	75
15	2007	home	9	3	75
16	2008	away	5	0	100
17	2008	home	8	4	67
18	2009	away	19	8	70
19	2009	home	4	6	40
20	2010	away	5	6	45
21	2010	home	11	2	85
22	2011	away	12	5	71
23	2011	home	6	1	86
24	2012	away	5	6	45
25	2012	home	6	6	50
26	2013	away	5	5	50

	year	series	won	lost	win percentage
27	2013	home	7	3	70
28	2014	away	5	3	62
29	2014	home	8	2	80
30	2015	away	4	3	57
31	2015	home	11	0	100
32	2016	away	10	10	50
33	2016	home	7	1	88
34	2017	away	1	7	12
35	2017	home	4	1	80
36	2018	away	0	4	0
37	2018	home	2	7	22
38	2019	home	1	2	33



	series	won	lost	win percentage
0	away	162	87	65
1	home	150	53	74

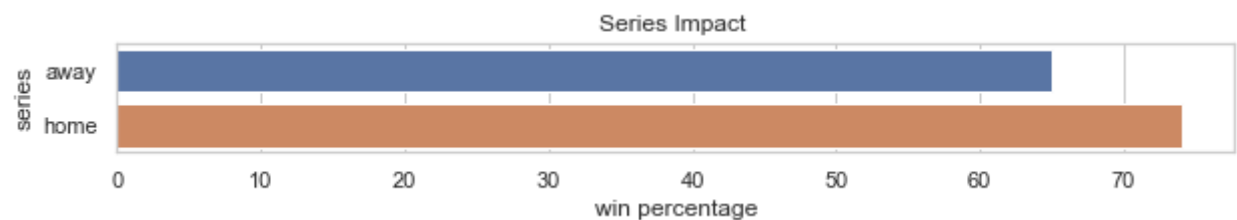
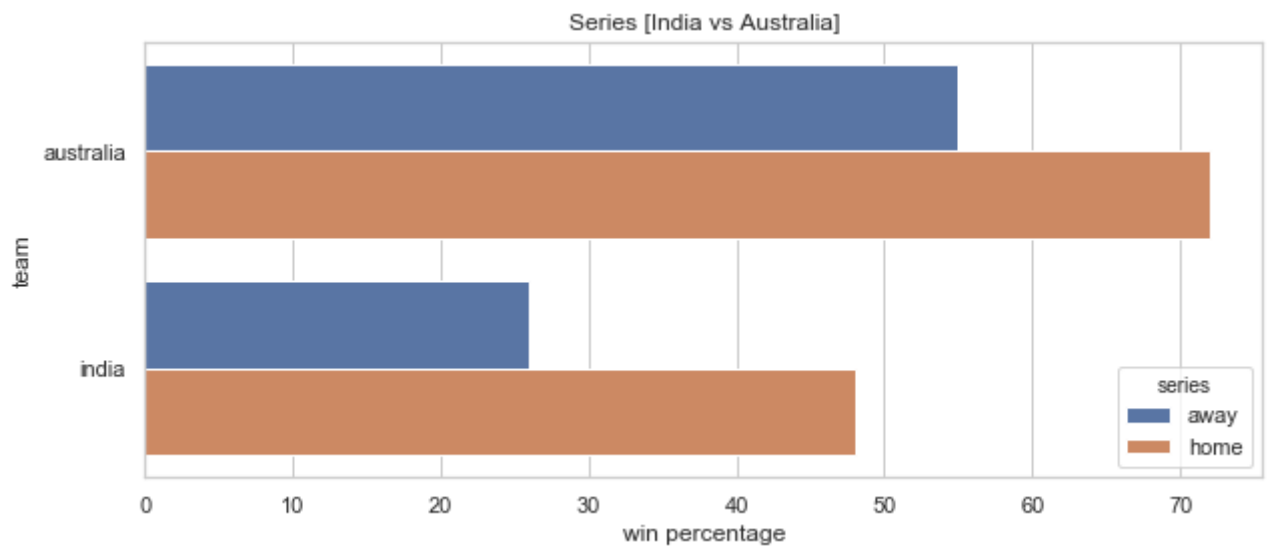


Fig 2.11 - Series [India vs Australia]

	team	series	won	lost	win percentage
0	australia	away	21	17	55
1	australia	home	21	8	72
2	india	away	9	25	26
3	india	home	16	17	48



	series	won	lost	win percentage
0	away	30	42	42
1	home	37	25	60

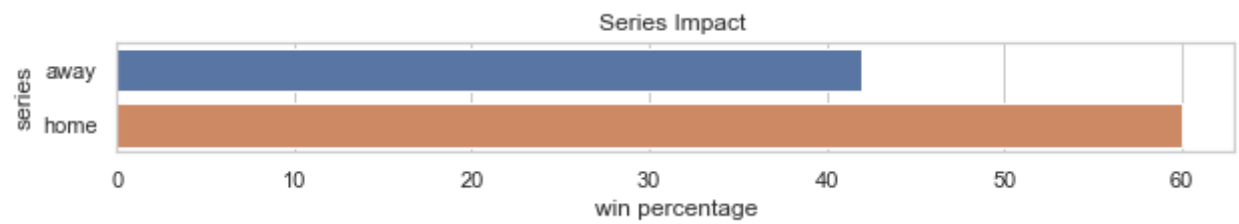


Fig 2.12 - Scores [India and Australia] - Historical Data

	score_range	team	won	lost	win percentage
0	30	india	0	1	0
1	60	australia	3	1	75
2	60	india	0	1	0
3	90	australia	12	1	92
4	90	india	8	8	50
5	120	australia	13	7	65
6	120	india	11	15	42
7	150	australia	15	17	47
8	150	india	25	25	50
9	180	australia	28	20	58
10	180	india	31	29	52
11	210	australia	54	25	68
12	210	india	45	38	54



	score_range	team	won	lost	win percentage
13	240	australia	60	37	62
14	240	india	55	37	60
15	270	australia	54	19	74
16	270	india	57	31	65
17	300	australia	40	5	89
18	300	india	36	17	68
19	330	australia	25	6	81
20	330	india	20	1	95
21	360	australia	7	1	88
22	360	india	10	0	100
23	390	australia	1	0	100
24	390	india	7	0	100
25	420	australia	0	1	0



	team	won	lost	win percentage
0	australia	312	140	69
1	india	305	203	60

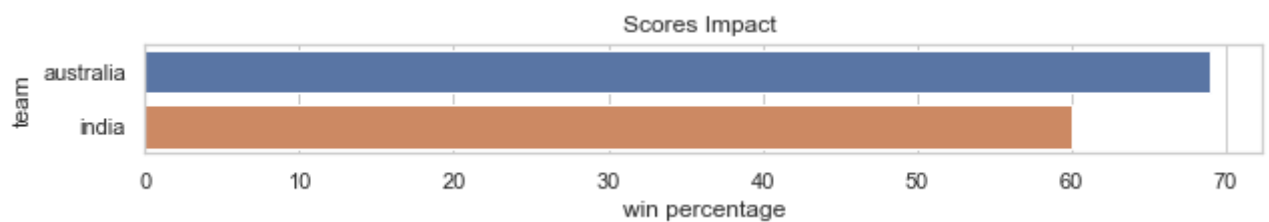
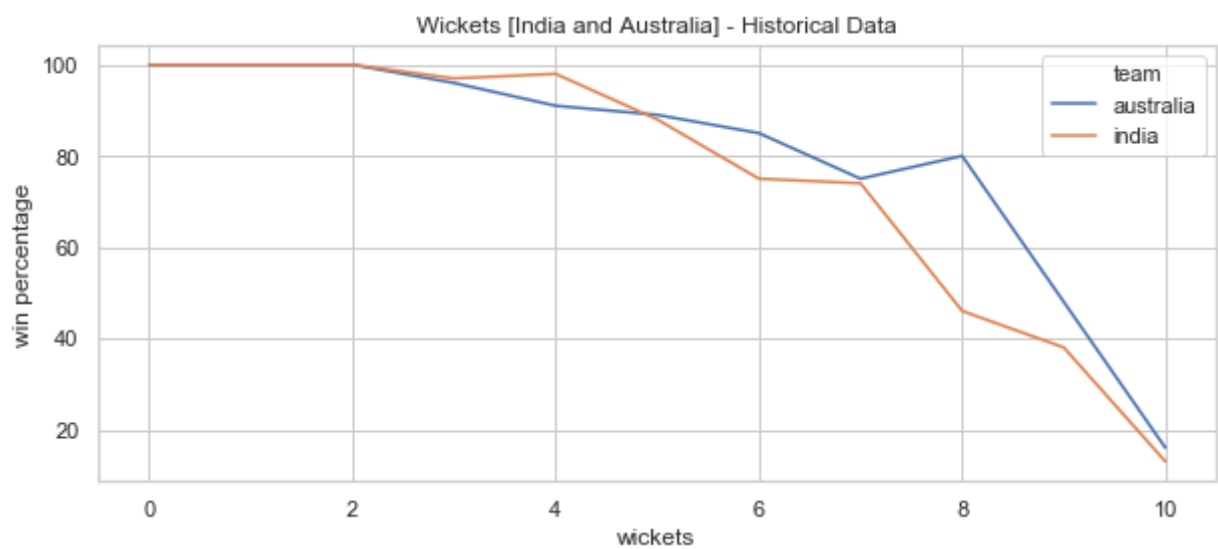


Fig 2.13 - Wickets [India and Australia] - Historical Data

	wickets	team	won	lost	win percentage
0	0	australia	4	0	100
1	0	india	3	0	100
2	1	australia	18	0	100
3	1	india	15	0	100
4	2	australia	22	0	100

	wickets	team	won	lost	win percentage
5	2	india	26	0	100
6	3	australia	24	1	96
7	3	india	35	1	97
8	4	australia	31	3	91
9	4	india	58	1	98
10	5	australia	51	6	89
11	5	india	42	6	88
12	6	australia	44	8	85
13	6	india	46	15	75
14	7	australia	42	14	75
15	7	india	29	10	74
16	8	australia	41	10	80
17	8	india	18	21	46
18	9	australia	20	22	48
19	9	india	14	23	38
20	10	australia	15	76	16
21	10	india	19	126	13



	team	won	lost	win percentage
0	australia	312	140	69
1	india	305	203	60

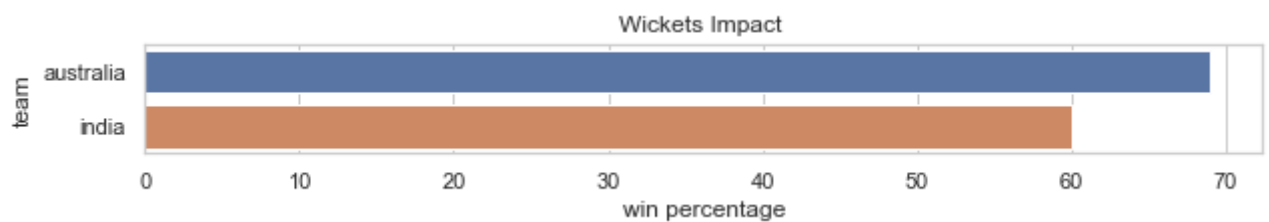
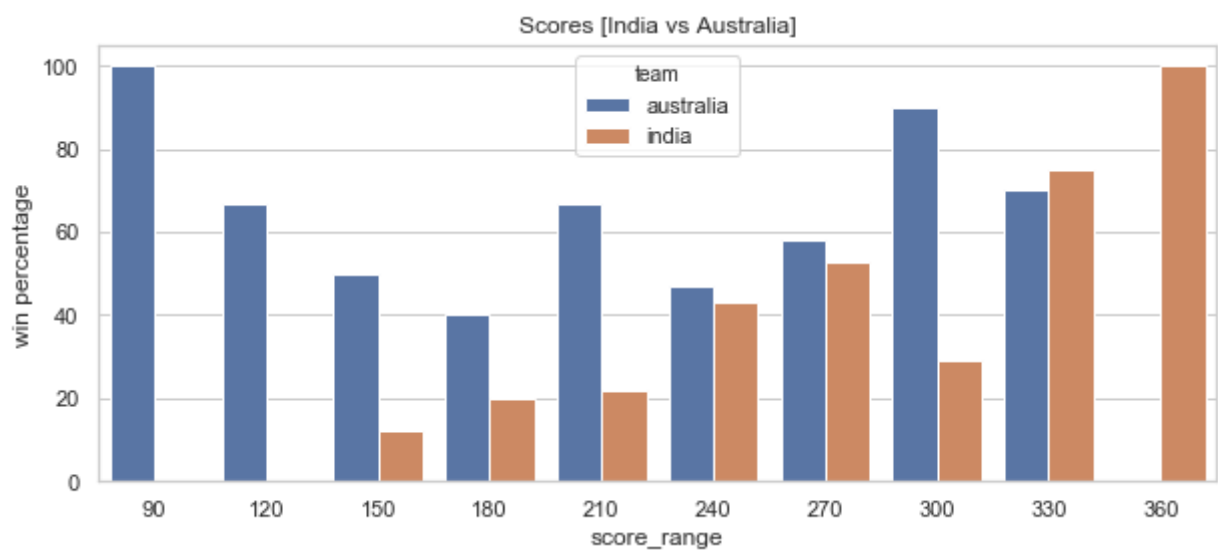


Fig 2.14 - Scores [India vs Australia]

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| score_range | team | won | lost | win percentage |
|-------------|------|-----|------|----------------|
|-------------|------|-----|------|----------------|

|    | score_range | team      | won | lost | win percentage |
|----|-------------|-----------|-----|------|----------------|
| 0  | 90          | australia | 1   | 0    | 100            |
| 1  | 90          | india     | 0   | 1    | 0              |
| 2  | 120         | australia | 2   | 1    | 67             |
| 3  | 120         | india     | 0   | 2    | 0              |
| 4  | 150         | australia | 1   | 1    | 50             |
| 5  | 150         | india     | 1   | 7    | 12             |
| 6  | 180         | australia | 2   | 3    | 40             |
| 7  | 180         | india     | 1   | 4    | 20             |
| 8  | 210         | australia | 6   | 3    | 67             |
| 9  | 210         | india     | 2   | 7    | 22             |
| 10 | 240         | australia | 7   | 8    | 47             |
| 11 | 240         | india     | 6   | 8    | 43             |
| 12 | 270         | australia | 7   | 5    | 58             |
| 13 | 270         | india     | 8   | 7    | 53             |
| 14 | 300         | australia | 9   | 1    | 90             |
| 15 | 300         | india     | 2   | 5    | 29             |
| 16 | 330         | australia | 7   | 3    | 70             |
| 17 | 330         | india     | 3   | 1    | 75             |
| 18 | 360         | india     | 2   | 0    | 100            |



|   | team      | won | lost | win percentage |
|---|-----------|-----|------|----------------|
| 0 | australia | 42  | 25   | 63             |
| 1 | india     | 25  | 42   | 37             |

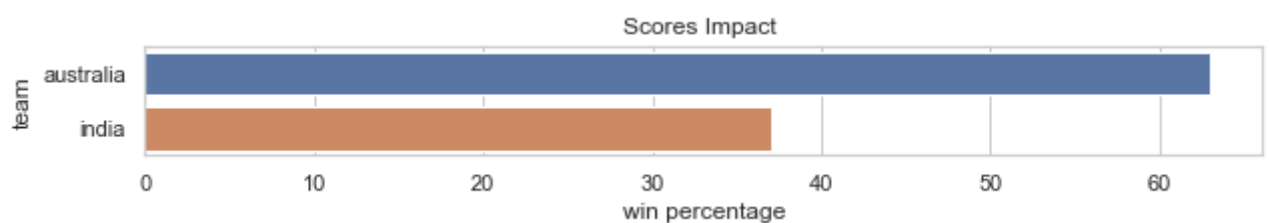
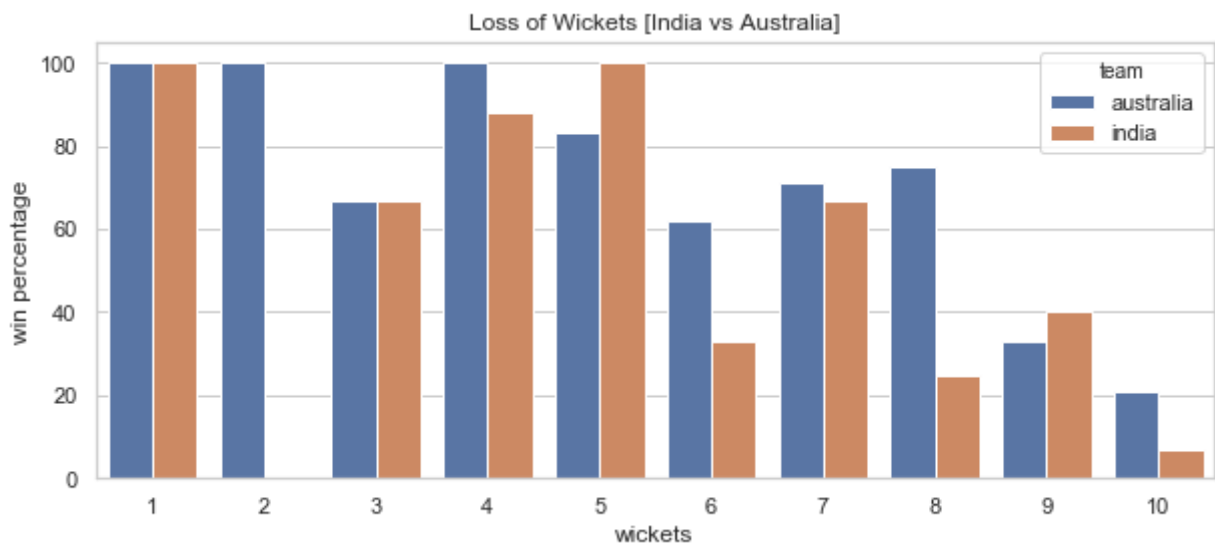
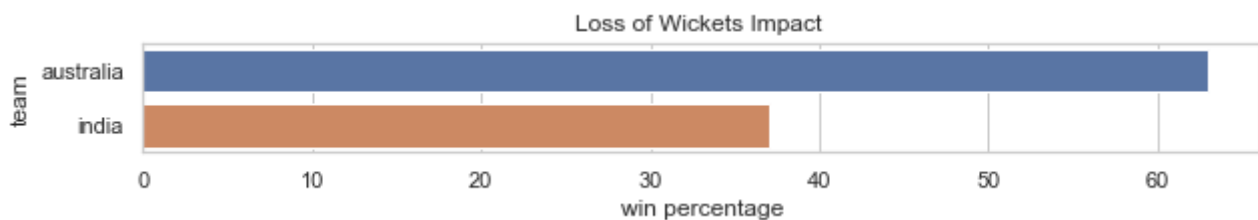


Fig 2.15 - Loss of Wickets [India vs Australia]

|    | wickets | team      | won | lost | win percentage |
|----|---------|-----------|-----|------|----------------|
| 0  | 1       | australia | 2   | 0    | 100            |
| 1  | 1       | india     | 1   | 0    | 100            |
| 2  | 2       | australia | 3   | 0    | 100            |
| 3  | 3       | australia | 2   | 1    | 67             |
| 4  | 3       | india     | 2   | 1    | 67             |
| 5  | 4       | australia | 4   | 0    | 100            |
| 6  | 4       | india     | 7   | 1    | 88             |
| 7  | 5       | australia | 10  | 2    | 83             |
| 8  | 5       | india     | 5   | 0    | 100            |
| 9  | 6       | australia | 5   | 3    | 62             |
| 10 | 6       | india     | 2   | 4    | 33             |
| 11 | 7       | australia | 5   | 2    | 71             |
| 12 | 7       | india     | 2   | 1    | 67             |
| 13 | 8       | australia | 6   | 2    | 75             |
| 14 | 8       | india     | 2   | 6    | 25             |
| 15 | 9       | australia | 2   | 4    | 33             |
| 16 | 9       | india     | 2   | 3    | 40             |
| 17 | 10      | australia | 3   | 11   | 21             |
| 18 | 10      | india     | 2   | 26   | 7              |



|   | team      | won | lost | win percentage |
|---|-----------|-----|------|----------------|
| 0 | australia | 42  | 25   | 63             |
| 1 | india     | 25  | 42   | 37             |



### 3. Ground Stats

Fig 3.1 - Toss - Historical Data

|   | ground             | toss      | won | lost | win percentage |
|---|--------------------|-----------|-----|------|----------------|
| 0 | delhi              | toss lost | 14  | 9    | 61             |
| 1 | delhi              | toss won  | 9   | 14   | 39             |
| 2 | hyderabad (deccan) | toss lost | 7   | 11   | 39             |
| 3 | hyderabad (deccan) | toss won  | 11  | 7    | 61             |
| 4 | mohali             | toss lost | 14  | 10   | 58             |
| 5 | mohali             | toss won  | 10  | 14   | 42             |
| 6 | nagpur             | toss lost | 13  | 9    | 59             |
| 7 | nagpur             | toss won  | 9   | 13   | 41             |
| 8 | ranchi             | toss lost | 1   | 2    | 33             |
| 9 | ranchi             | toss won  | 2   | 1    | 67             |

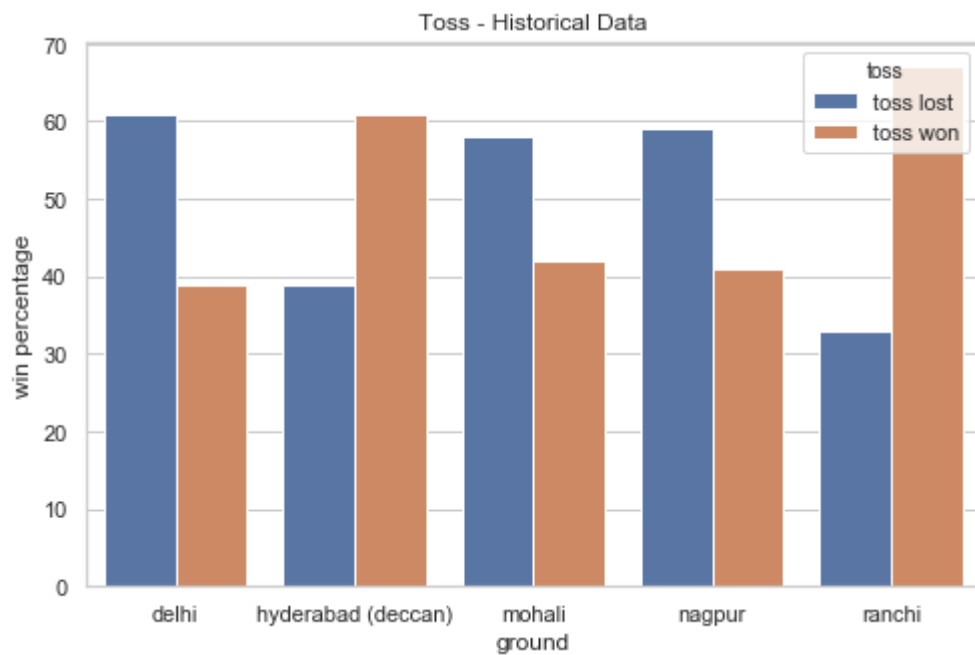


Fig 3.2 - Toss['India'] - Historical Data

|   | ground             | toss      | win percentage |
|---|--------------------|-----------|----------------|
| 0 | delhi              | toss lost | 9              |
| 1 | delhi              | toss won  | 9              |
| 2 | hyderabad (deccan) | toss lost | 7              |
| 3 | hyderabad (deccan) | toss won  | 5              |
| 4 | mohali             | toss lost | 5              |
| 5 | mohali             | toss won  | 10             |
| 6 | nagpur             | toss lost | 9              |

|   | ground | toss      | win percentage |
|---|--------|-----------|----------------|
| 7 | nagpur | toss won  | 8              |
| 8 | ranchi | toss lost | 2              |
| 9 | ranchi | toss won  | 1              |

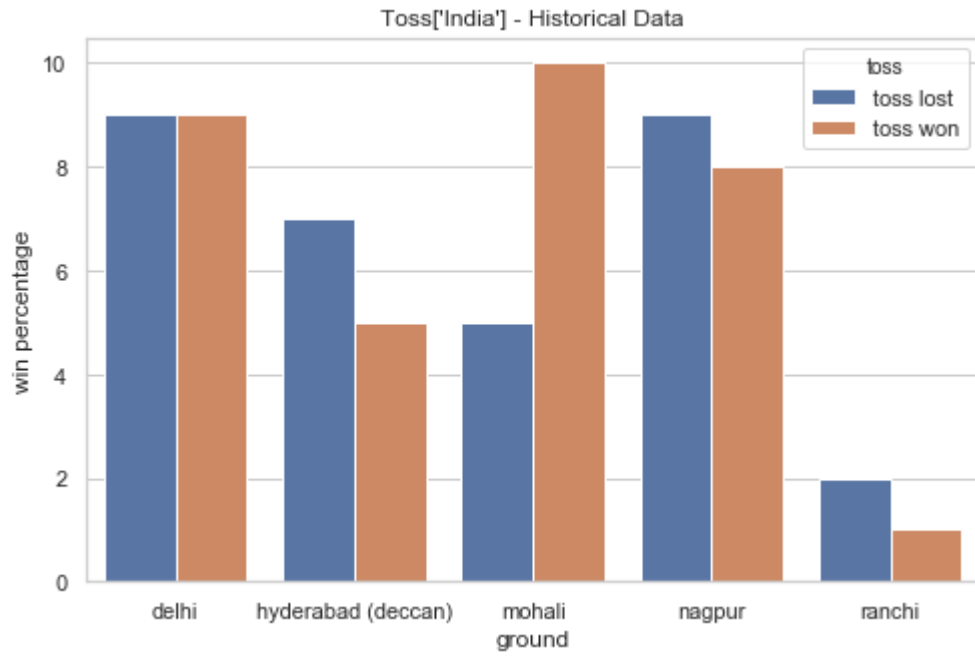


Fig 3.3 - Toss['Australia'] - Historical Data

|   | ground             | toss      | win percentage |
|---|--------------------|-----------|----------------|
| 0 | delhi              | toss lost | 3              |
| 1 | delhi              | toss won  | 2              |
| 2 | hyderabad (deccan) | toss won  | 3              |
| 3 | mohali             | toss lost | 3              |
| 4 | mohali             | toss won  | 3              |
| 5 | nagpur             | toss lost | 2              |
| 6 | nagpur             | toss won  | 4              |

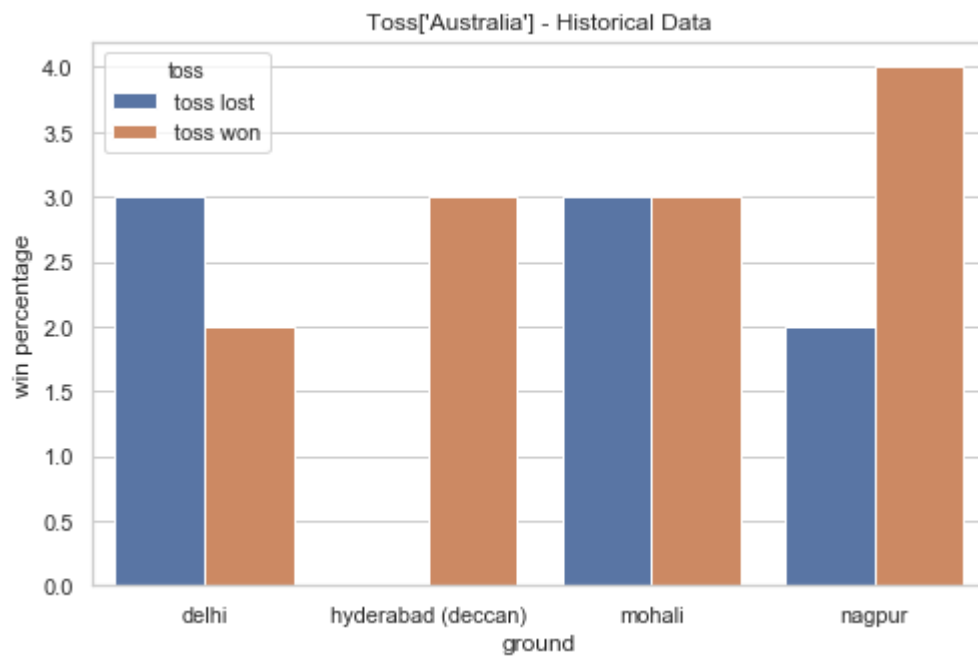


Fig 3.4 - Batting - Historical Data

|   | ground             | batting | won | lost | win percentage |
|---|--------------------|---------|-----|------|----------------|
| 0 | delhi              | 1st     | 11  | 12   | 48             |
| 1 | delhi              | 2nd     | 12  | 11   | 52             |
| 2 | hyderabad (deccan) | 1st     | 10  | 8    | 56             |
| 3 | hyderabad (deccan) | 2nd     | 8   | 10   | 44             |
| 4 | mohali             | 1st     | 15  | 9    | 62             |
| 5 | mohali             | 2nd     | 9   | 15   | 38             |
| 6 | nagpur             | 1st     | 11  | 11   | 50             |
| 7 | nagpur             | 2nd     | 11  | 11   | 50             |
| 8 | ranchi             | 1st     | 1   | 2    | 33             |
| 9 | ranchi             | 2nd     | 2   | 1    | 67             |

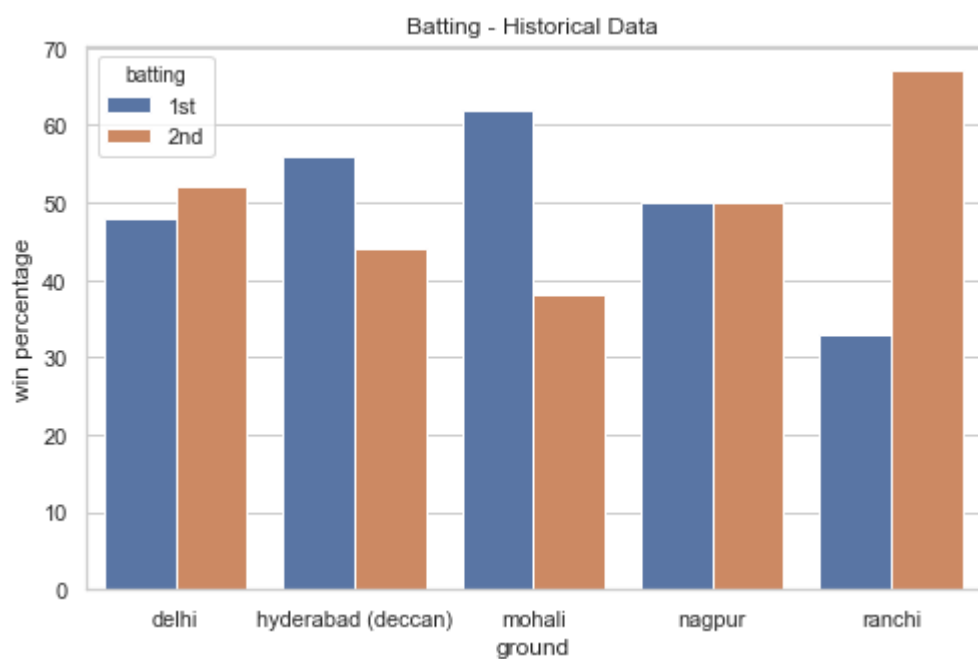


Fig 3.5 - Batting['India'] - Historical Data

|   | ground             | batting | win percentage |
|---|--------------------|---------|----------------|
| 0 | delhi              | 1st     | 7              |
| 1 | delhi              | 2nd     | 11             |
| 2 | hyderabad (deccan) | 1st     | 5              |
| 3 | hyderabad (deccan) | 2nd     | 7              |
| 4 | mohali             | 1st     | 9              |
| 5 | mohali             | 2nd     | 6              |
| 6 | nagpur             | 1st     | 8              |
| 7 | nagpur             | 2nd     | 9              |
| 8 | ranchi             | 2nd     | 3              |

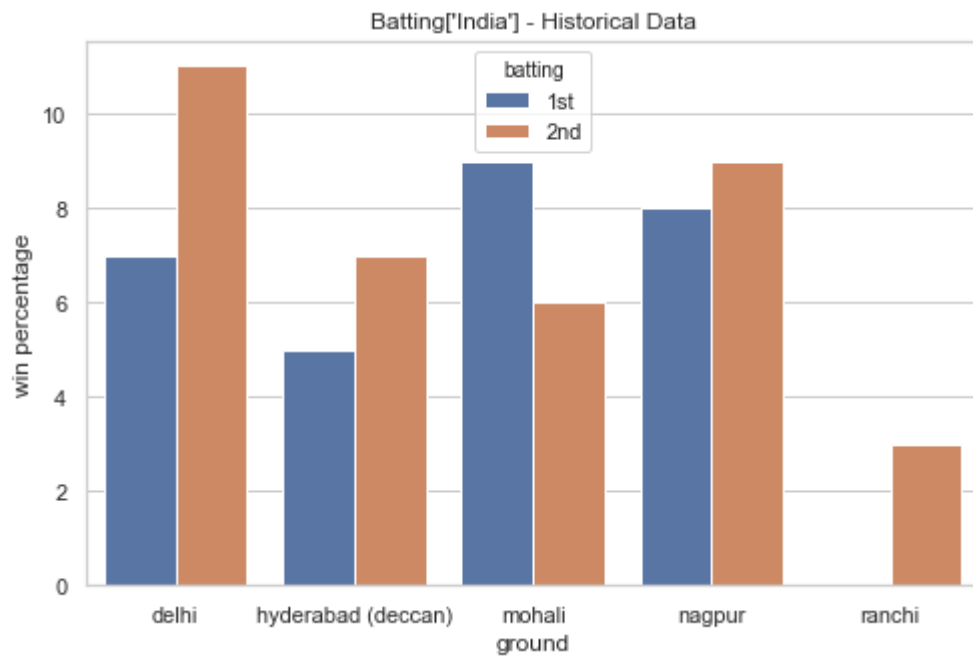


Fig 3.6 - Batting['Australia'] - Historical Data

|   | ground             | batting | win percentage |
|---|--------------------|---------|----------------|
| 0 | delhi              | 1st     | 3              |
| 1 | delhi              | 2nd     | 2              |
| 2 | hyderabad (deccan) | 1st     | 3              |
| 3 | mohali             | 1st     | 3              |
| 4 | mohali             | 2nd     | 3              |
| 5 | nagpur             | 1st     | 3              |
| 6 | nagpur             | 2nd     | 3              |



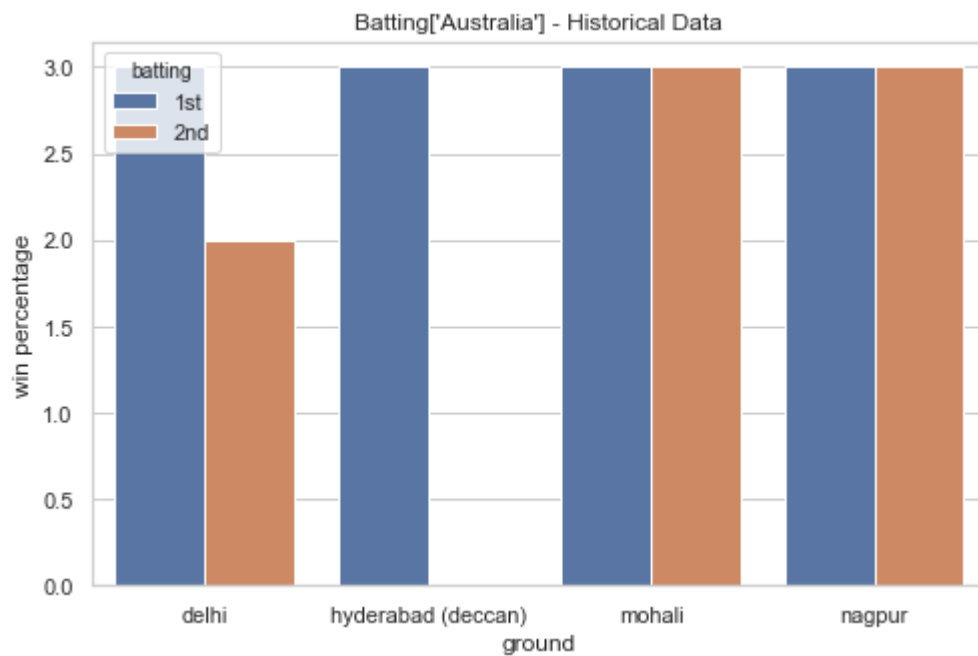
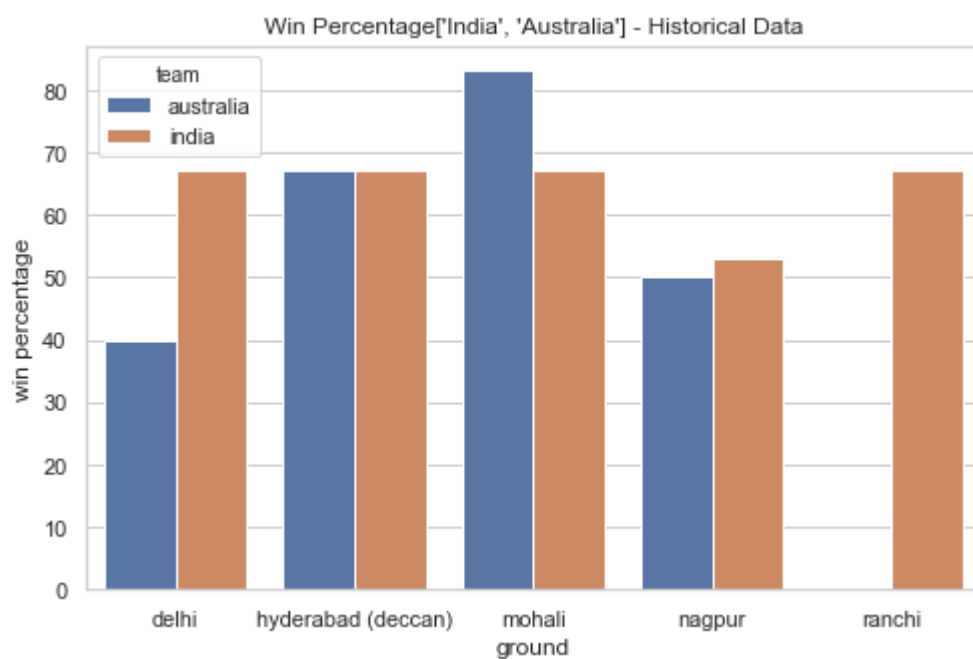


Fig 3.7 - Win Percentage['India', 'Australia'] - Historical Data

|   | ground             | team      | won | lost | win percentage |
|---|--------------------|-----------|-----|------|----------------|
| 0 | delhi              | australia | 2   | 3    | 40             |
| 1 | delhi              | india     | 12  | 6    | 67             |
| 2 | hyderabad (deccan) | australia | 2   | 1    | 67             |
| 3 | hyderabad (deccan) | india     | 8   | 4    | 67             |
| 4 | mohali             | australia | 5   | 1    | 83             |
| 5 | mohali             | india     | 10  | 5    | 67             |
| 6 | nagpur             | australia | 3   | 3    | 50             |
| 7 | nagpur             | india     | 9   | 8    | 53             |
| 8 | ranchi             | india     | 2   | 1    | 67             |



#### 4. Average Stats

Fig 4.1 - Team Average Wickets  
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	team	batting	wickets
0	australia	1st	6.3913
1	australia	2nd	6.14286
2	india	1st	7.2987
3	india	2nd	5.91304

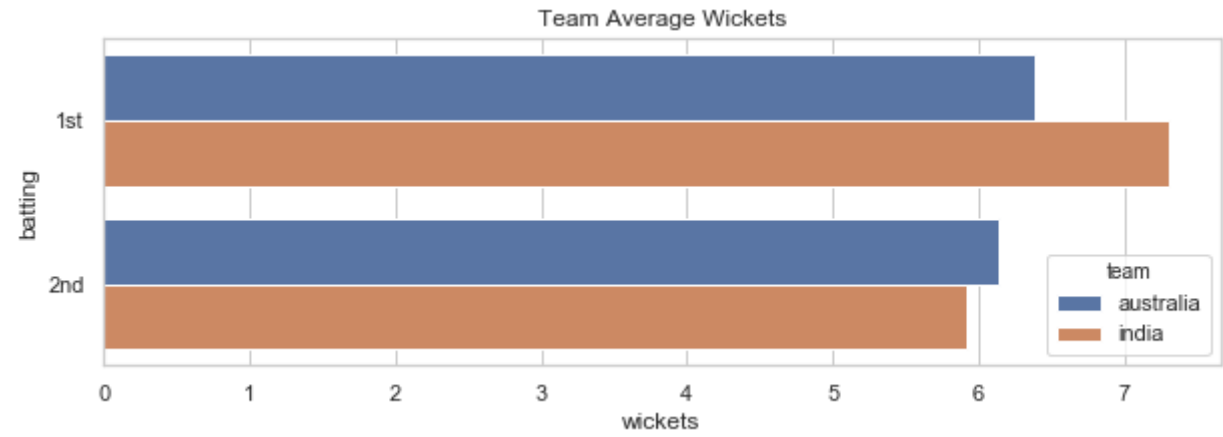


Fig 4.2 - Team Average Scores  
~~~~~

|   | team      | batting | score   |
|---|-----------|---------|---------|
| 0 | australia | 1st     | 287.348 |
| 1 | australia | 2nd     | 217.571 |
| 2 | india     | 1st     | 288.208 |
| 3 | india     | 2nd     | 245.793 |

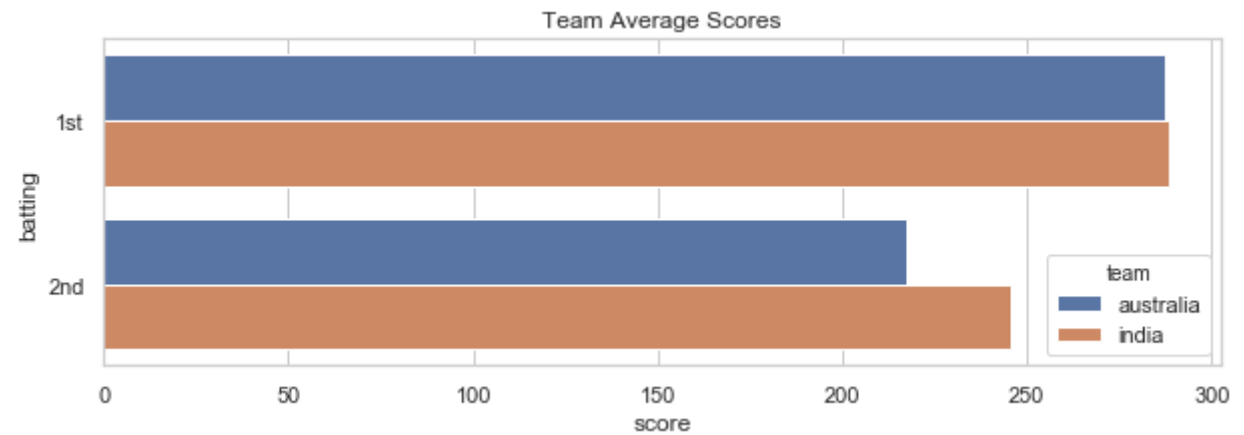


Fig 4.3 - Ground Average Scores  
~~~~~

	ground	batting	score
0	delhi	1st	239.783
1	delhi	2nd	211.391
2	hyderabad (deccan)	1st	253.778
3	hyderabad (deccan)	2nd	214.167
4	mohali	1st	268
5	mohali	2nd	228.25
6	nagpur	1st	278.227
7	nagpur	2nd	246.636
8	ranchi	1st	233.667
9	ranchi	2nd	228.667

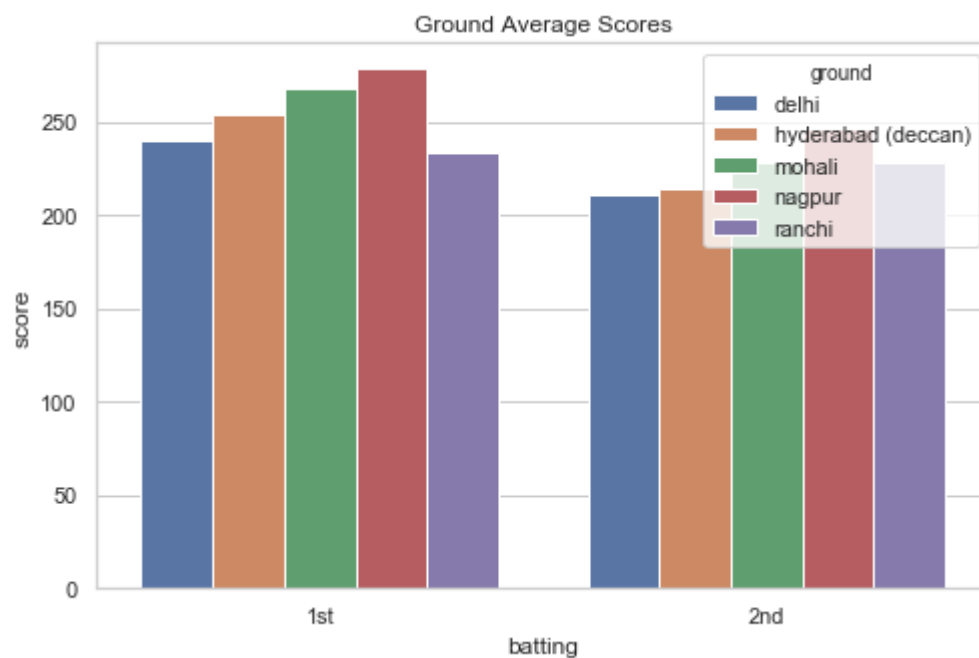


Fig 4.4 - Team Average Scores [Nagpur]  
~~~~~

|    | ground | team      | batting | score   |
|----|--------|-----------|---------|---------|
| 11 | nagpur | australia | 1st     | 303     |
| 12 | nagpur | australia | 2nd     | 206.667 |

|    | ground | team  | batting | score  |
|----|--------|-------|---------|--------|
| 13 | nagpur | india | 1st     | 306.25 |

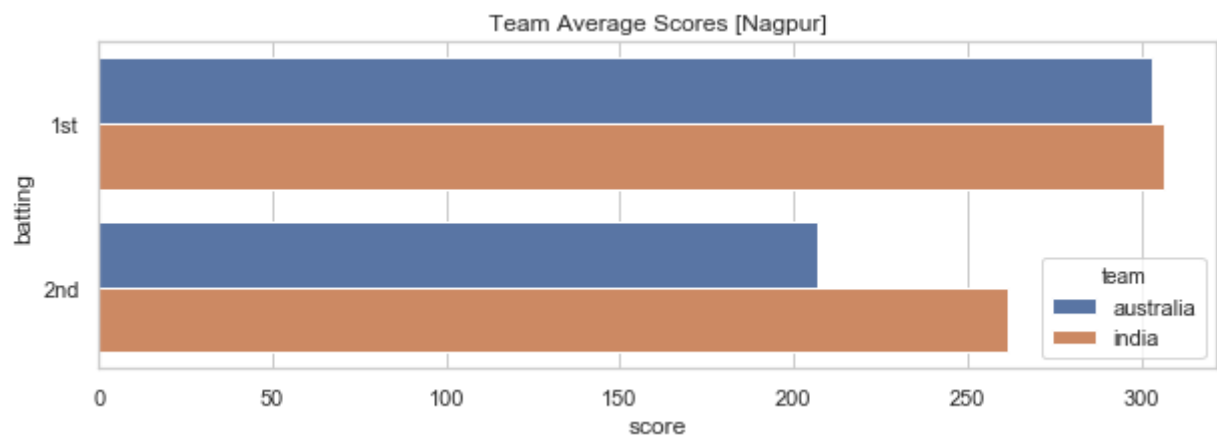


Fig 4.5 - Team Average Scores [Ranchi]

|    | ground | team  | batting | score   |
|----|--------|-------|---------|---------|
| 15 | ranchi | india | 2nd     | 228.667 |

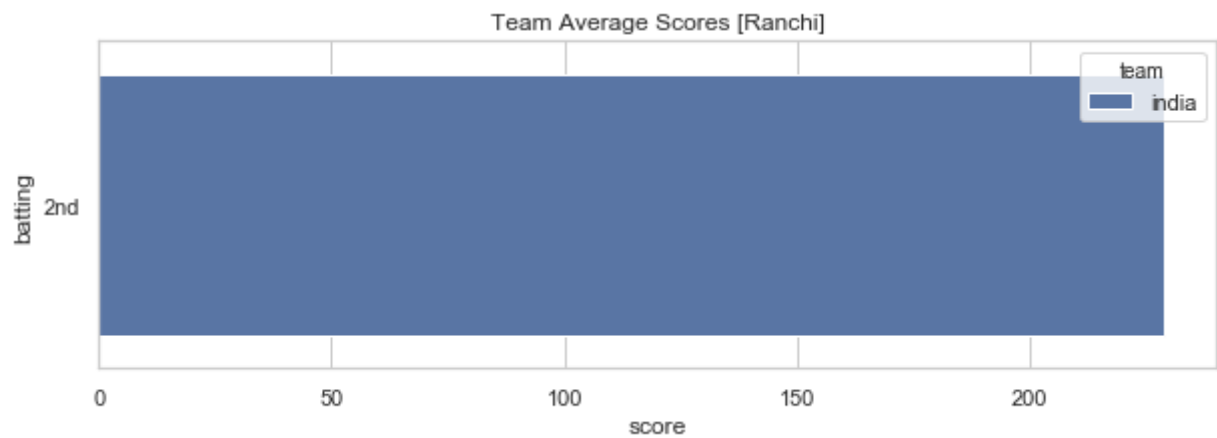


Fig 4.6 - Team Average Scores [Mohali]

|    | ground | team      | batting | score   |
|----|--------|-----------|---------|---------|
| 7  | mohali | australia | 1st     | 232.333 |
| 8  | mohali | australia | 2nd     | 280     |
| 9  | mohali | india     | 1st     | 283.333 |
| 10 | mohali | india     | 2nd     | 230.167 |

Fig 4.7 - Team Average Scores [Delhi]

~~~~~

	ground	team	batting	score
0	delhi	australia	1st	253.667
1	delhi	australia	2nd	232
2	delhi	india	1st	244.143
3	delhi	india	2nd	217.909

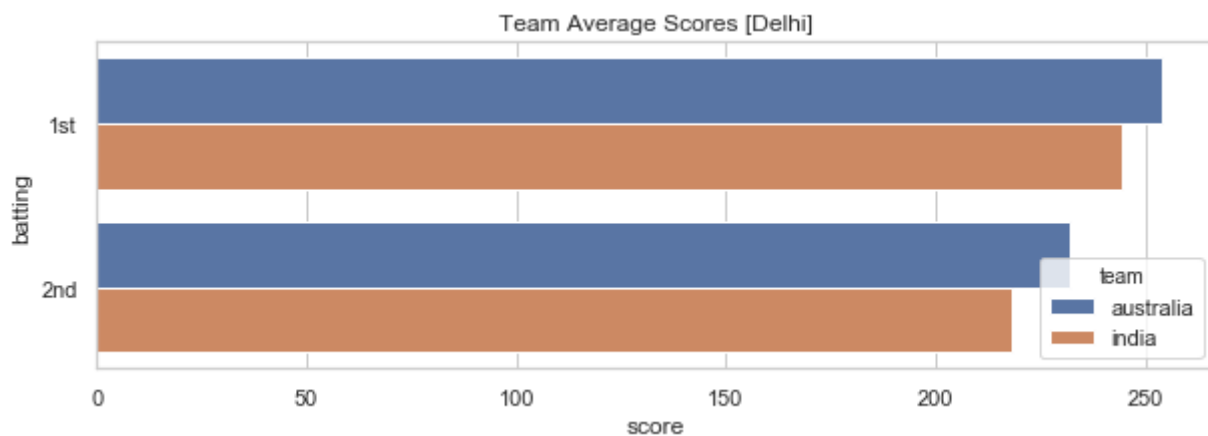
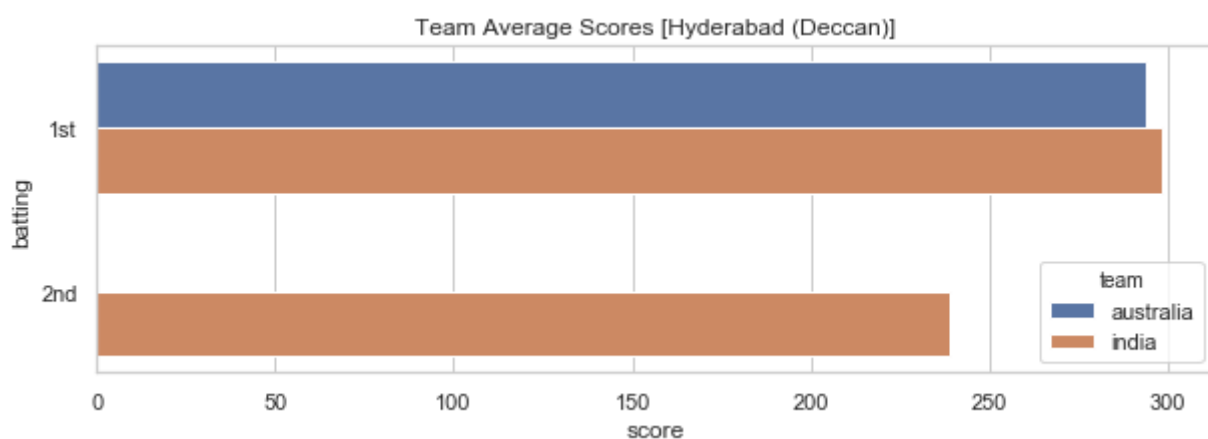


Fig 4.8 - Team Average Scores [Hyderabad (Deccan)]

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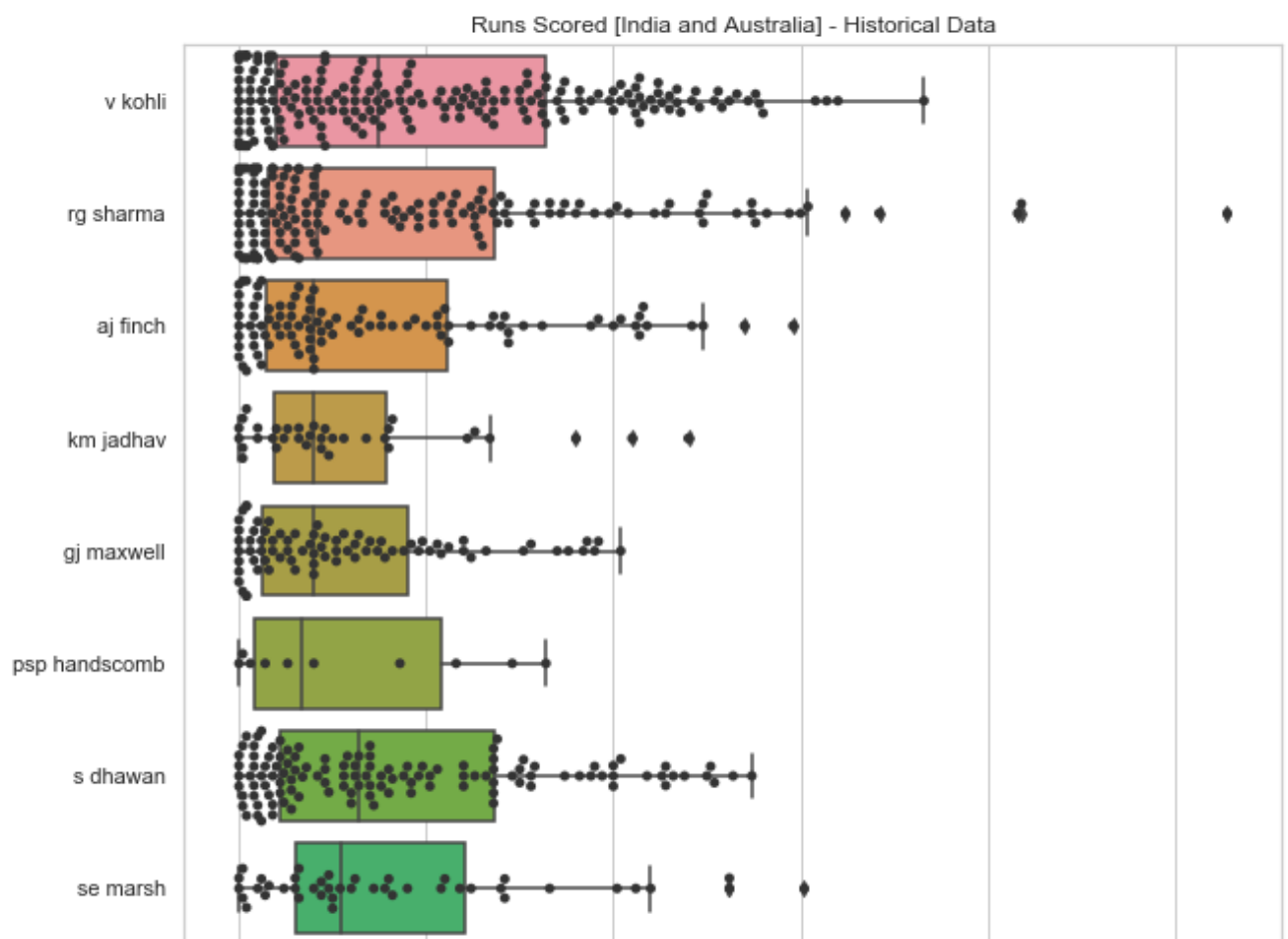
|   | ground             | team      | batting | score   |
|---|--------------------|-----------|---------|---------|
| 4 | hyderabad (deccan) | australia | 1st     | 294     |
| 5 | hyderabad (deccan) | india     | 1st     | 298     |
| 6 | hyderabad (deccan) | india     | 2nd     | 238.857 |



## 5. Batting Stats since year 2000

Fig 5.1 - Runs Scored [India and Australia] - Historical Data

|    | player        | runs    |
|----|---------------|---------|
| 17 | v kohli       | 49.995  |
| 12 | rg sharma     | 45.3057 |
| 18 | v shankar     | 45      |
| 14 | s dhawan      | 42.4426 |
| 15 | se marsh      | 42.093  |
| 0  | aj finch      | 36.2526 |
| 2  | at rayudu     | 35.3404 |
| 9  | ms dhoni      | 35.2133 |
| 8  | mp stoinis    | 34.913  |
| 10 | psp handscomb | 30      |
| 16 | ut khawaja    | 29.15   |
| 5  | gj maxwell    | 29.0886 |
| 7  | km jadhav     | 28.6286 |
| 1  | at carey      | 27.375  |
| 6  | kl rahul      | 26.4167 |
| 4  | djm short     | 20.75   |
| 13 | rr pant       | 20.5    |
| 11 | ra jadeja     | 20.3947 |
| 3  | b kumar       | 9.5     |



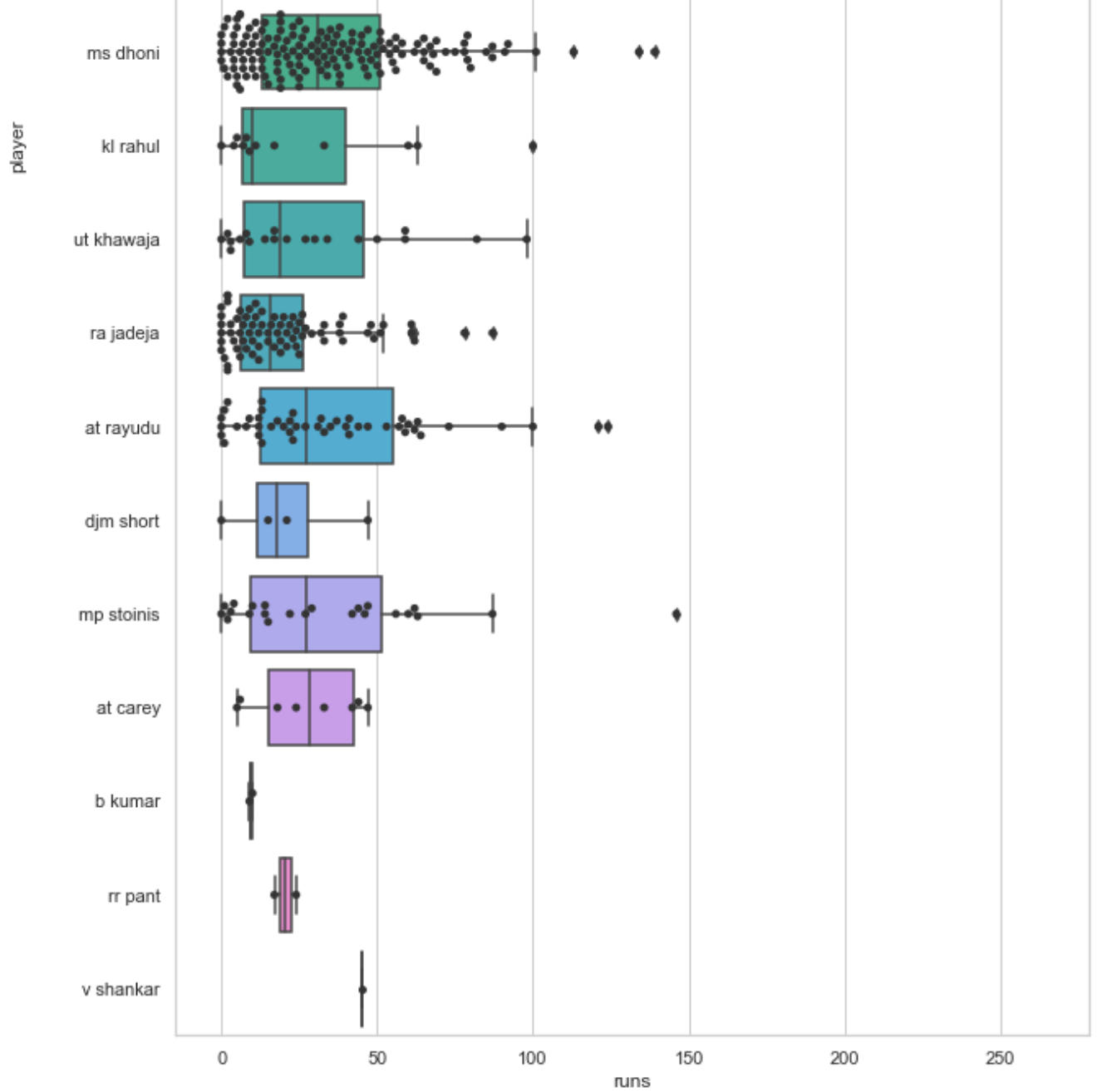


Fig 5.2 - Runs Scored [India vs Australia]

|    | player        | runs    |
|----|---------------|---------|
| 9  | rg sharma     | 68.2917 |
| 11 | se marsh      | 52      |
| 13 | v kohli       | 47.963  |
| 0  | aj finch      | 45.0526 |
| 12 | ut khawaja    | 38      |
| 10 | s dhawan      | 37.8333 |
| 6  | ms dhoni      | 35.75   |
| 7  | psp handscomb | 35      |
| 3  | gj maxwell    | 33.5    |
| 4  | km jadhav     | 33.1667 |
| 5  | mp stoinis    | 29.875  |
| 1  | at carey      | 15.6667 |
| 2  | at rayudu     | 15.6667 |

|   | player    | runs    |
|---|-----------|---------|
| 8 | ra jadeja | 10.6923 |

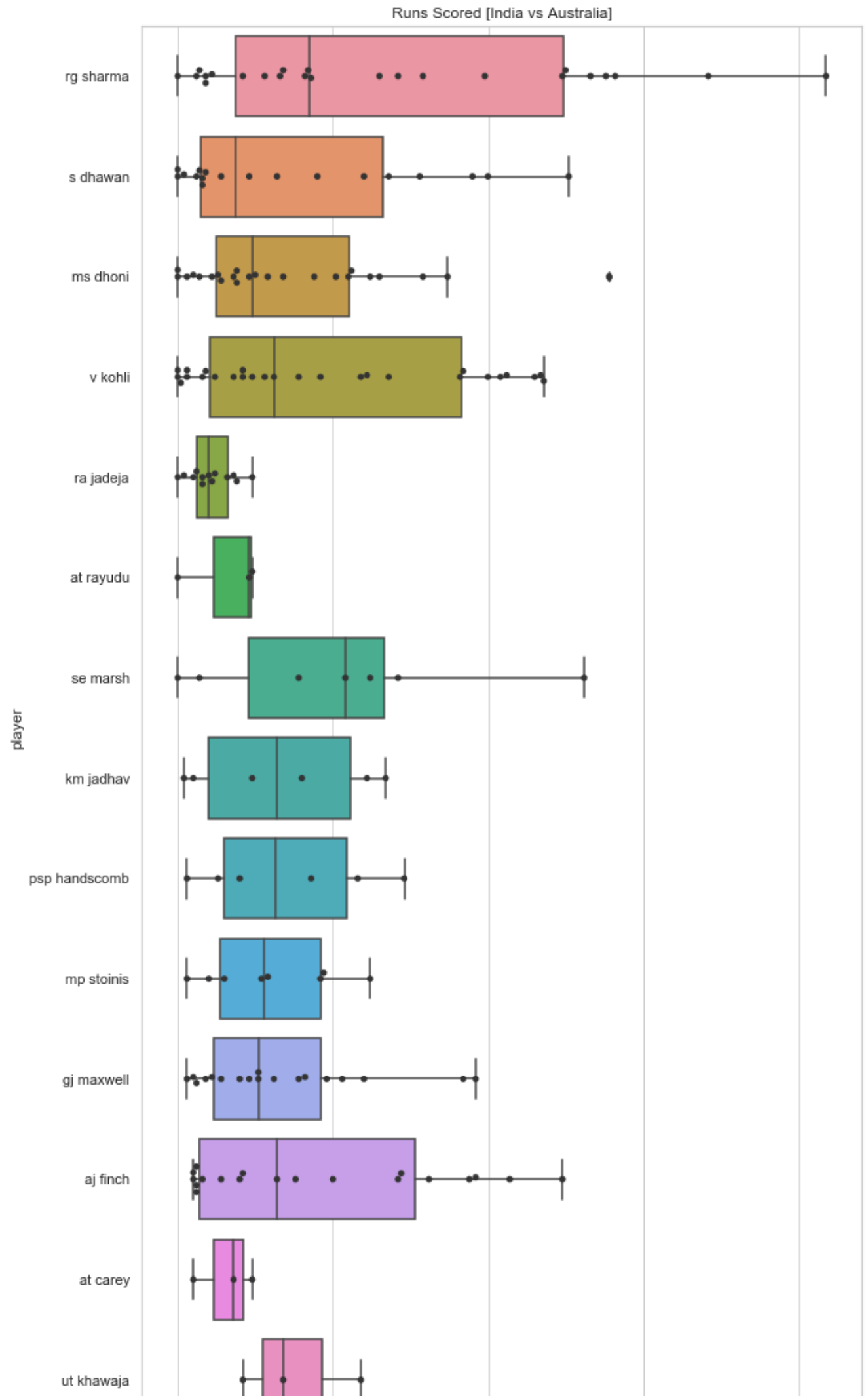


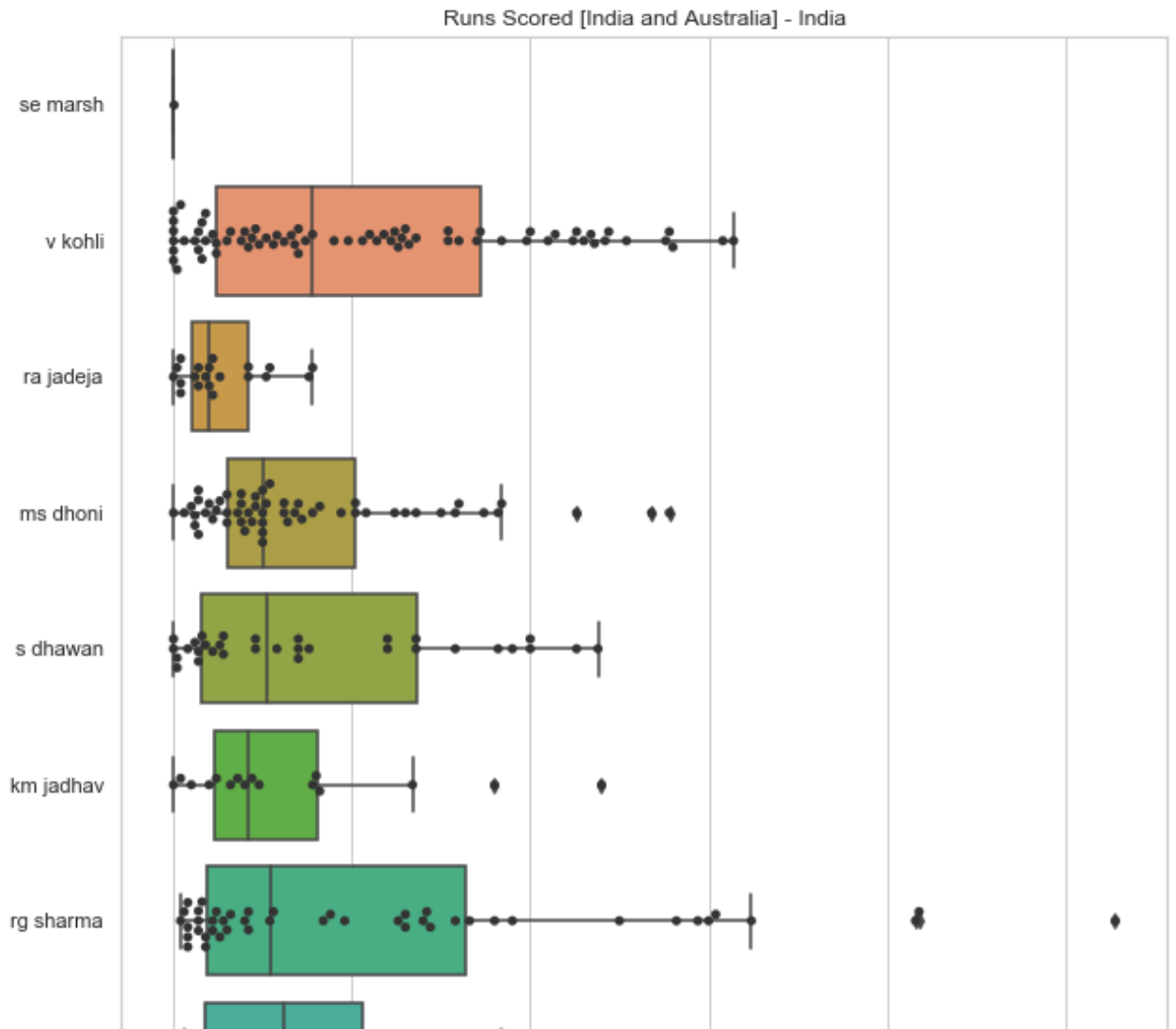




Fig 5.3 - Runs Scored [India and Australia] - India

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	player	runs
10	rg sharma	59.1739
14	v kohli	53.8356
0	aj finch	48.8889
1	at rayudu	46.4545
12	s dhawan	39.5625
7	ms dhoni	36.9643
3	gj maxwell	34
5	km jadhav	32.875
6	mp stoinis	30.6
11	rr pant	20.5
8	psp handscomb	19.6667
9	ra jadeja	13.15
2	b kumar	10
4	kl rahul	8
13	se marsh	0



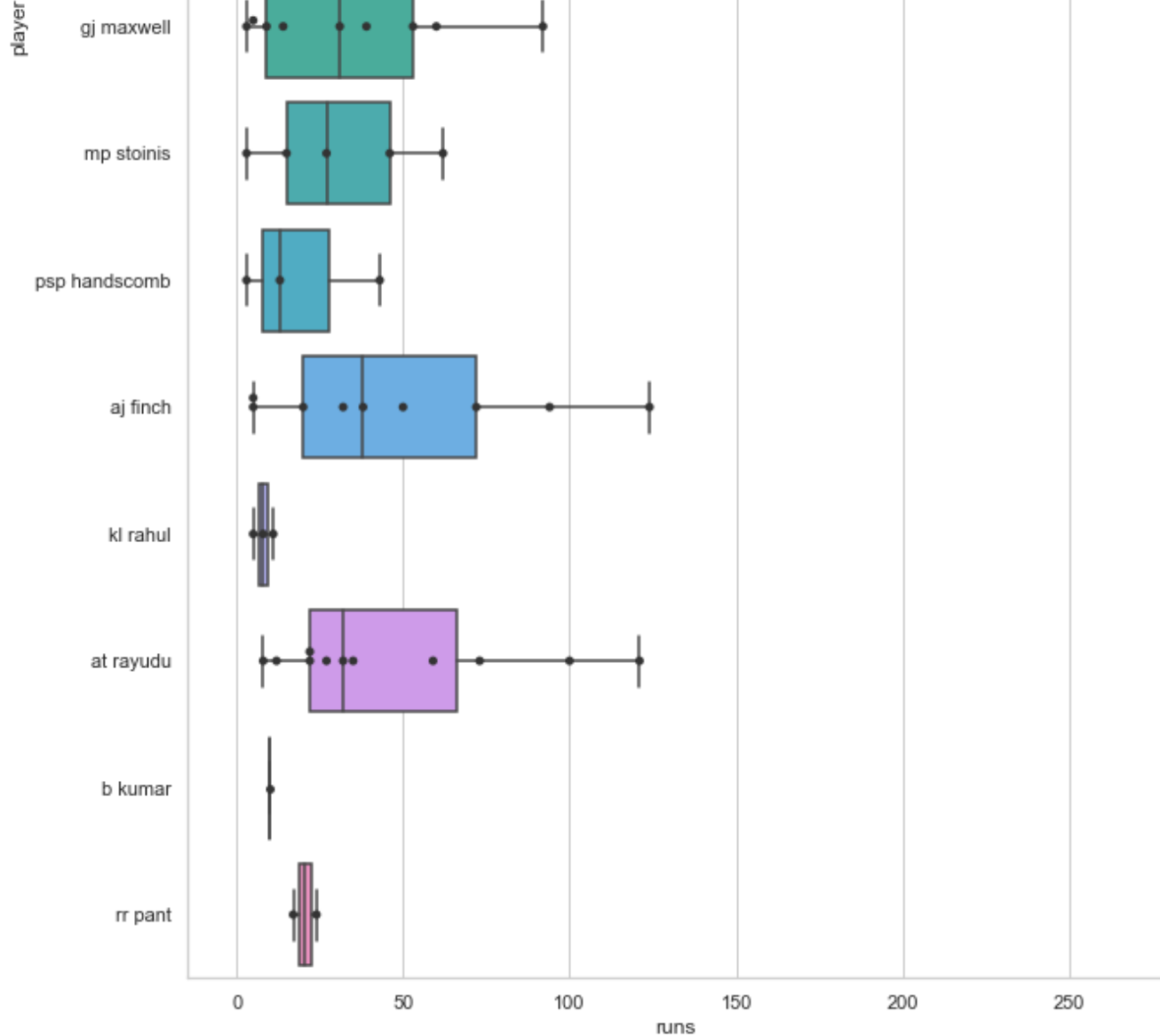


Fig 5.4 - Fours Hit [India and Australia] - India

	player	fours
0	aj finch	6
10	rg sharma	5.67391
12	s dhawan	5.21875
14	v kohli	5.09589
1	at rayudu	4.18182
5	km jadhav	3.5
7	ms dhoni	2.96429
11	rr pant	2.5
3	gj maxwell	2.44444
6	mp stoinis	2.4
2	b kumar	1
4	kl rahul	1
8	psp handscomb	1
9	ra jadeja	0.8
13	se marsh	0

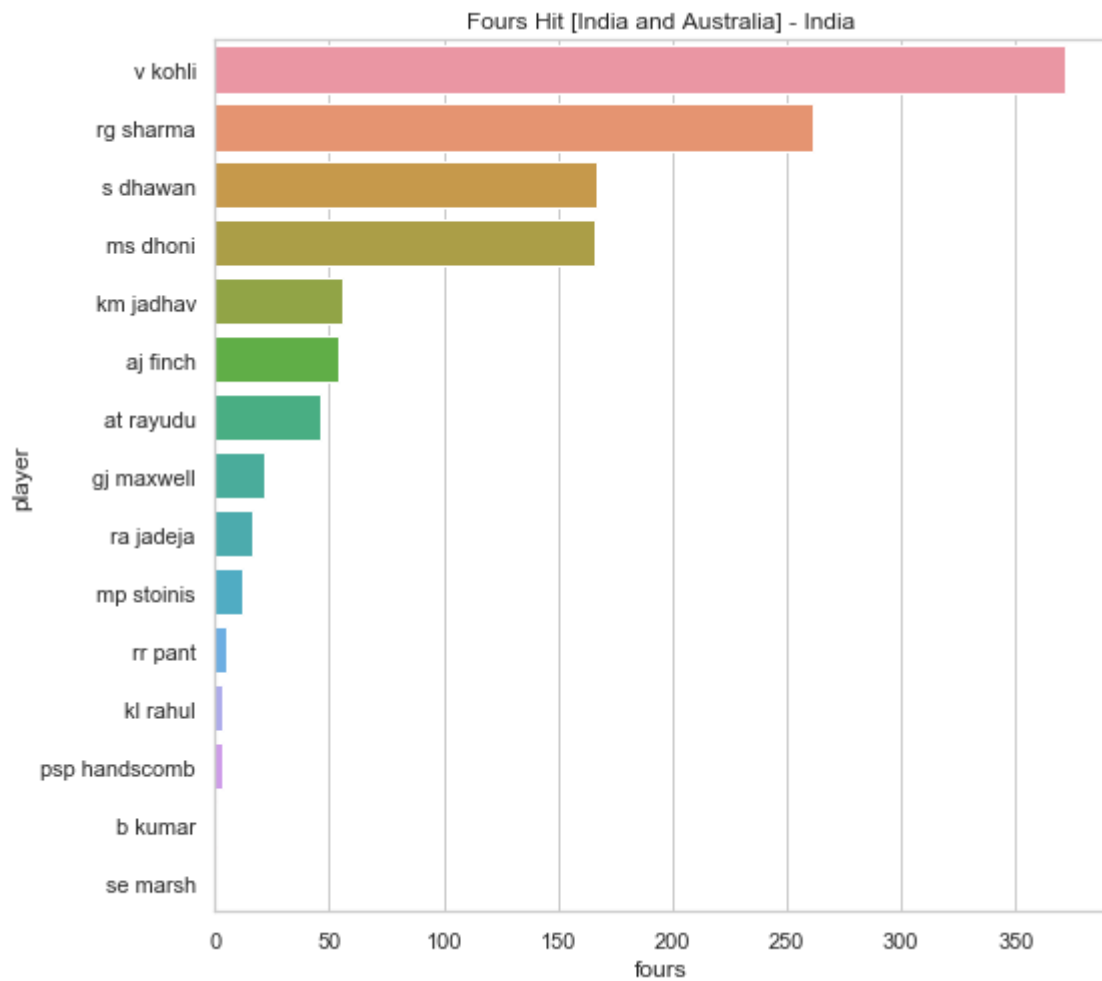


Fig 5.5 - Fours Hit [India vs Australia]

	player	fours
9	rg sharma	5.33333
0	aj finch	4.63158
10	s dhawan	4.61111
13	v kohli	4.22222
11	se marsh	4.14286
4	km jadhav	3.66667
12	ut khawaja	3.66667
3	gj maxwell	2.94444
1	at carey	2.66667
5	mp stoinis	2.25
7	psp handscomb	2.16667
6	ms dhoni	2.125
2	at rayudu	1.33333
8	ra jadeja	0.538462

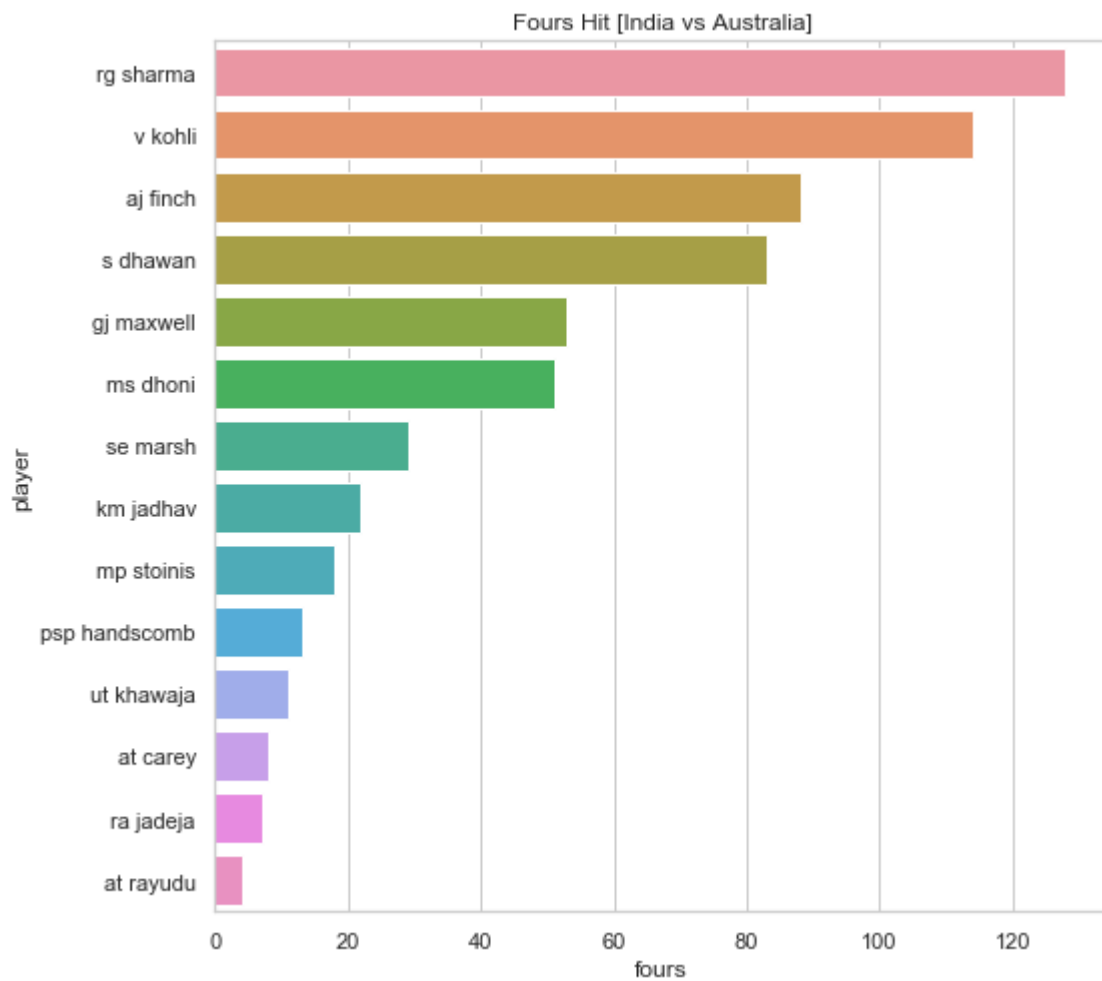


Fig 5.6 - Fours Hit [India and Australia] - India

	player	fours
0	aj finch	6
10	rg sharma	5.67391
12	s dhawan	5.21875
14	v kohli	5.09589
1	at rayudu	4.18182
5	km jadhav	3.5
7	ms dhoni	2.96429
11	rr pant	2.5
3	gj maxwell	2.44444
6	mp stoinis	2.4
2	b kumar	1
4	kl rahul	1

	player	fours
8	psp handscomb	1
9	ra jadeja	0.8
13	se marsh	0

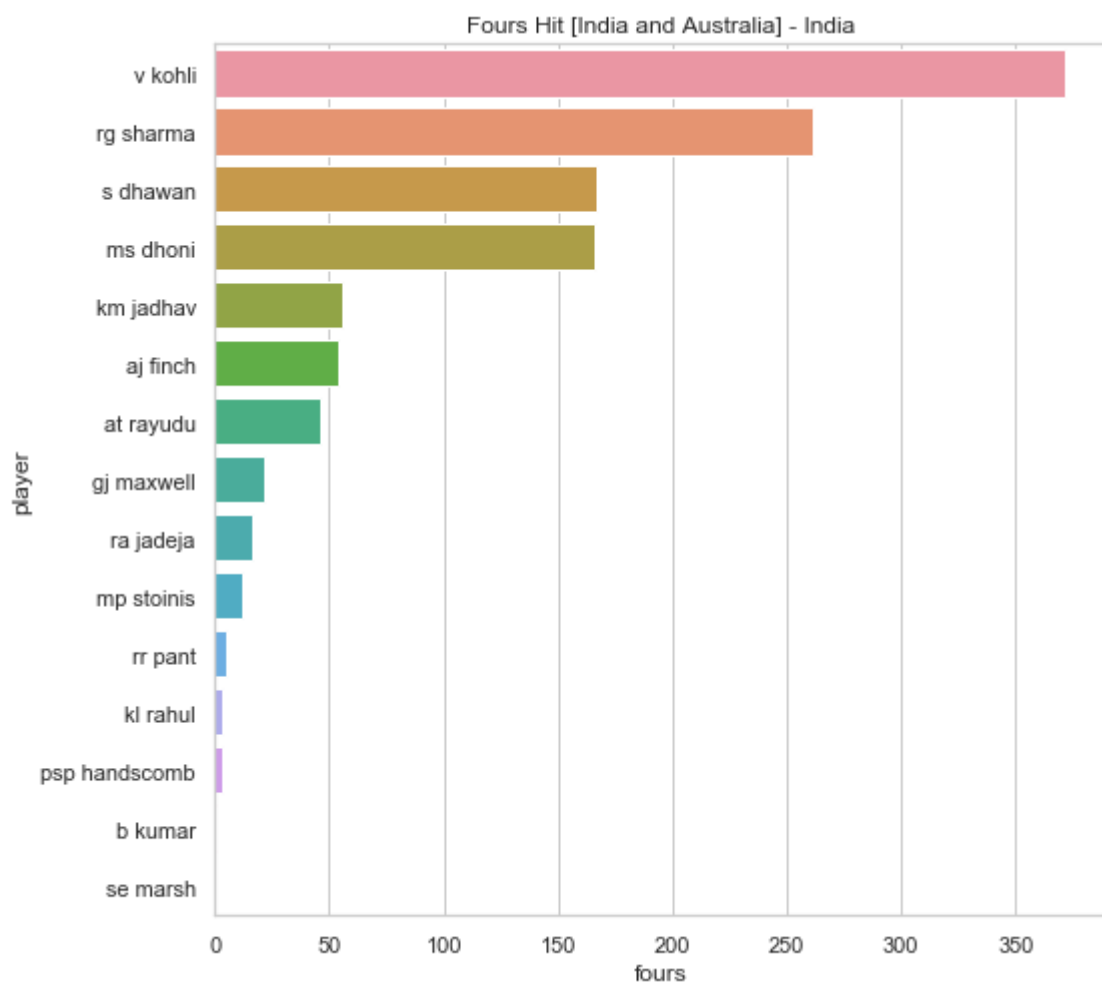


Fig 5.7 - Sixes Hit [India and Australia] - India

	player	sixes
3	gj maxwell	2.44444
10	rg sharma	2.13043
0	aj finch	1.33333
6	mp stoinis	1.2
7	ms dhoni	1.07143
1	at rayudu	1
5	km jadhav	0.75
14	v kohli	0.671233
11	rr pant	0.5
12	s dhawan	0.40625
4	kl rahul	0.333333
8	psp handscomb	0.333333

	player	sixes
9	ra jadeja	0.2
2	b kumar	0
13	se marsh	0

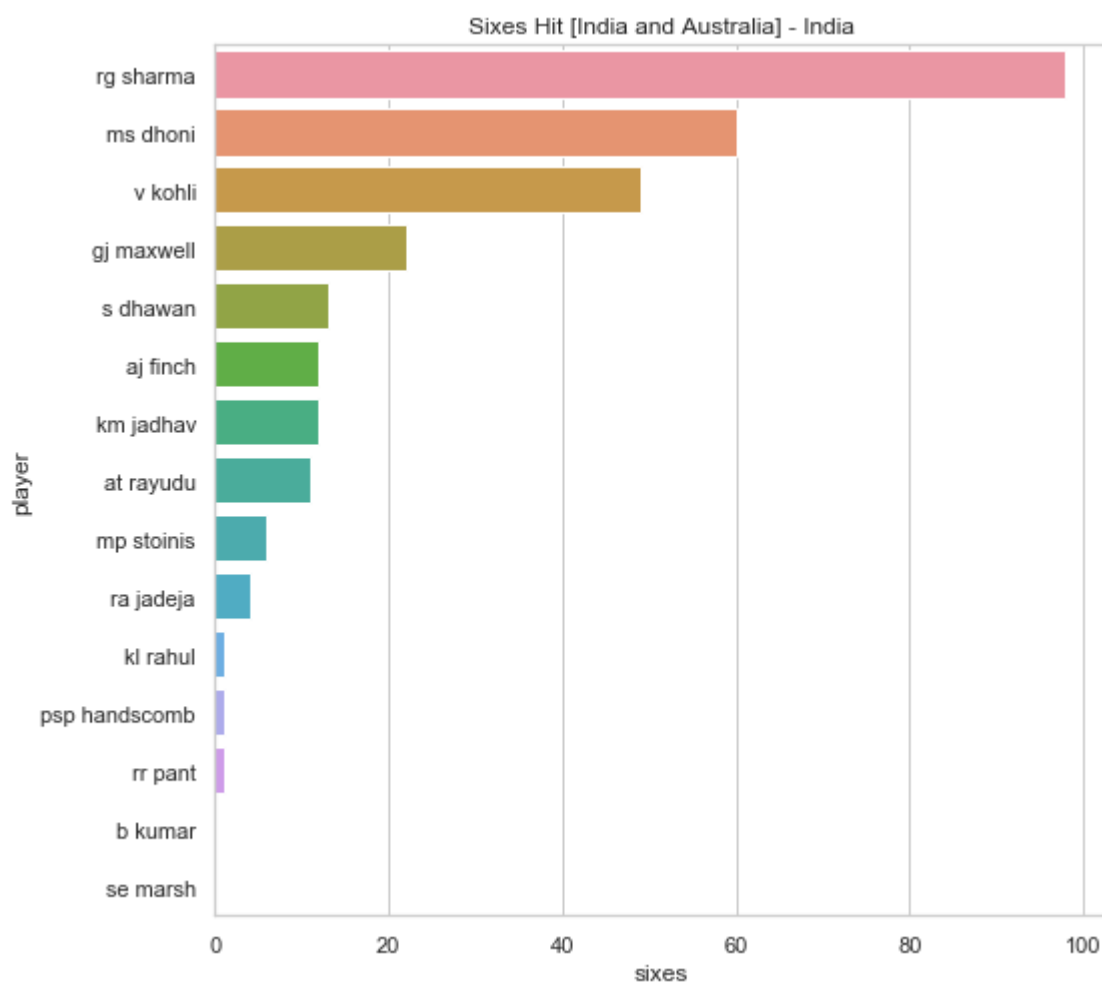


Fig 5.8 - Sixes Hit [India vs Australia]

	player	sixes
9	rg sharma	2.75
3	gj maxwell	1.61111
5	mp stoinis	1
0	aj finch	0.947368
6	ms dhoni	0.875
13	v kohli	0.555556
7	psp handscomb	0.5
11	se marsh	0.428571
2	at rayudu	0.333333

	player	sixes
4	km jadhav	0.333333
10	s dhawan	0.333333
1	at carey	0
8	ra jadeja	0
12	ut khawaja	0

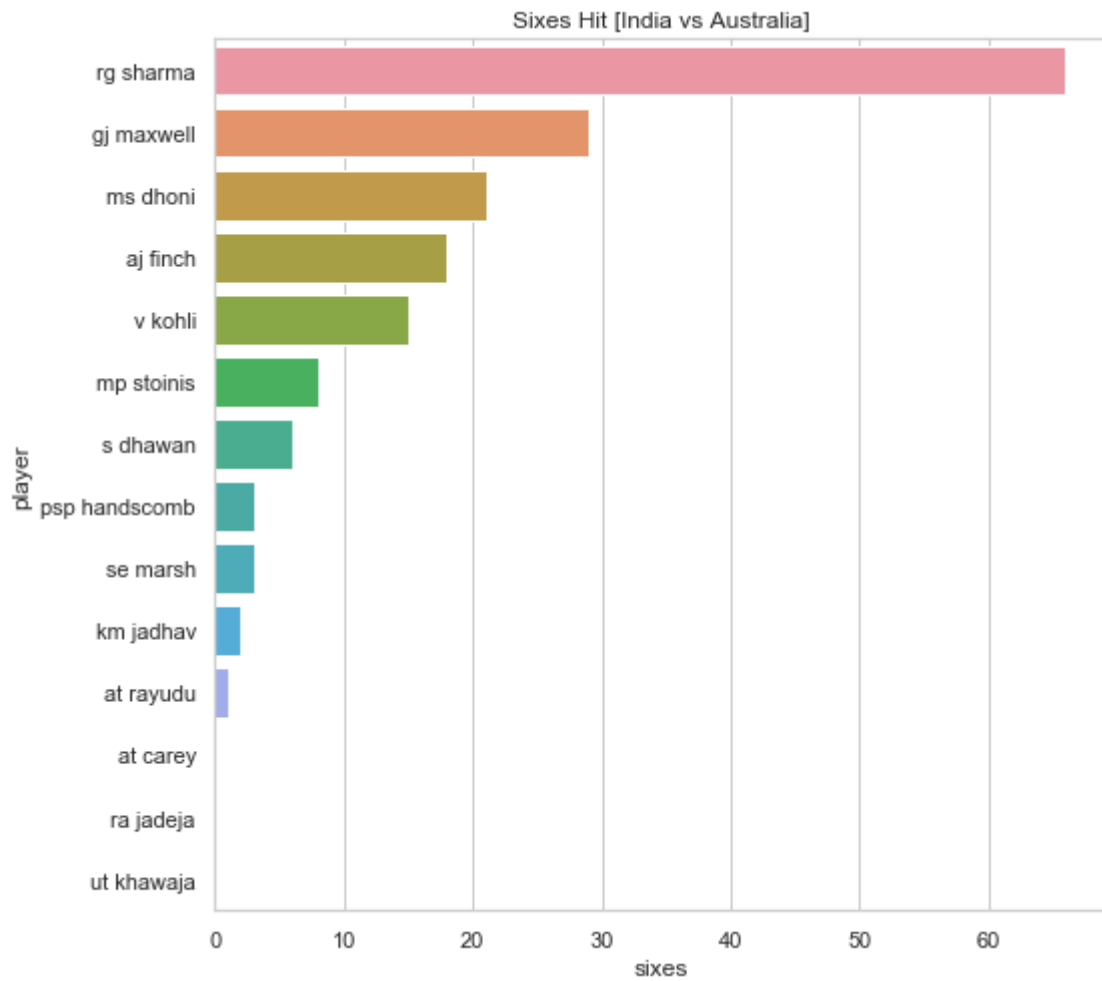
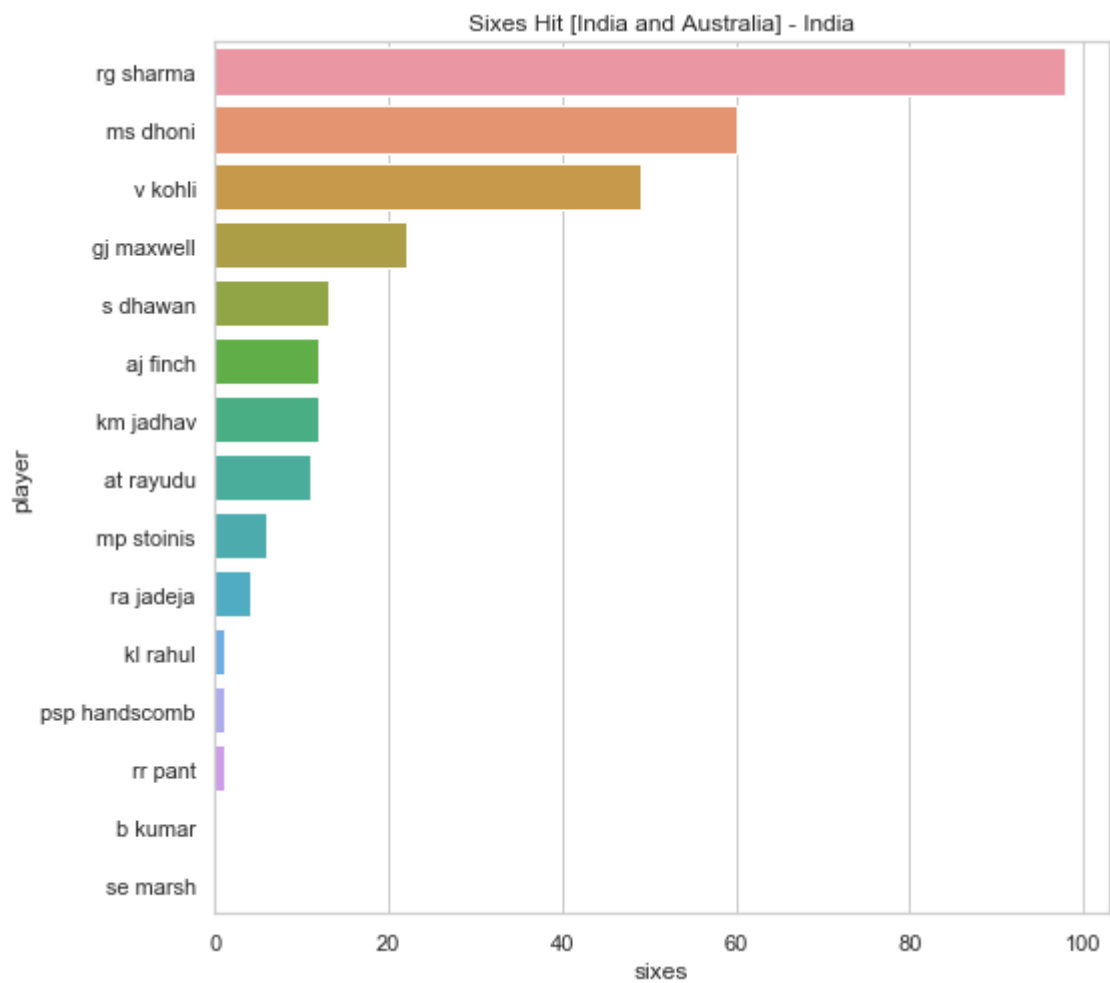


Fig 5.9 - Sixes Hit [India and Australia] - India

	player	sixes
3	gj maxwell	2.44444
10	rg sharma	2.13043
0	aj finch	1.33333
6	mp stoinis	1.2

	player	sixes
7	ms dhoni	1.07143
1	at rayudu	1
5	km jadhav	0.75
14	v kohli	0.671233
11	rr pant	0.5
12	s dhawan	0.40625
4	kl rahul	0.333333
8	psp handscomb	0.333333
9	ra jadeja	0.2
2	b kumar	0





## 6. Bowling Stats since year 2000

Fig 6.1 - Wickets [India and Australia] - Historical Data

	player	wickets
18	ra jadeja	161
4	b kumar	114
12	mohammed shami	108
8	jj bumrah	78
11	kuldeep yadav	77
24	ys chahal	71
17	pj cummins	65
6	gj maxwell	46
0	a zampa	42
15	nm coulter-nile	38
10	km jadhav	25
13	mp stoinis	22
16	nm lyon	18
7	ja richardson	13
2	aj tye	12
19	rg sharma	6
21	sn thakur	6
22	v kohli	4
9	jp behrendorff	3
3	at rayudu	3
1	aj finch	2
14	ms dhoni	0
5	djm short	0
20	s kaul	0
23	v shankar	0

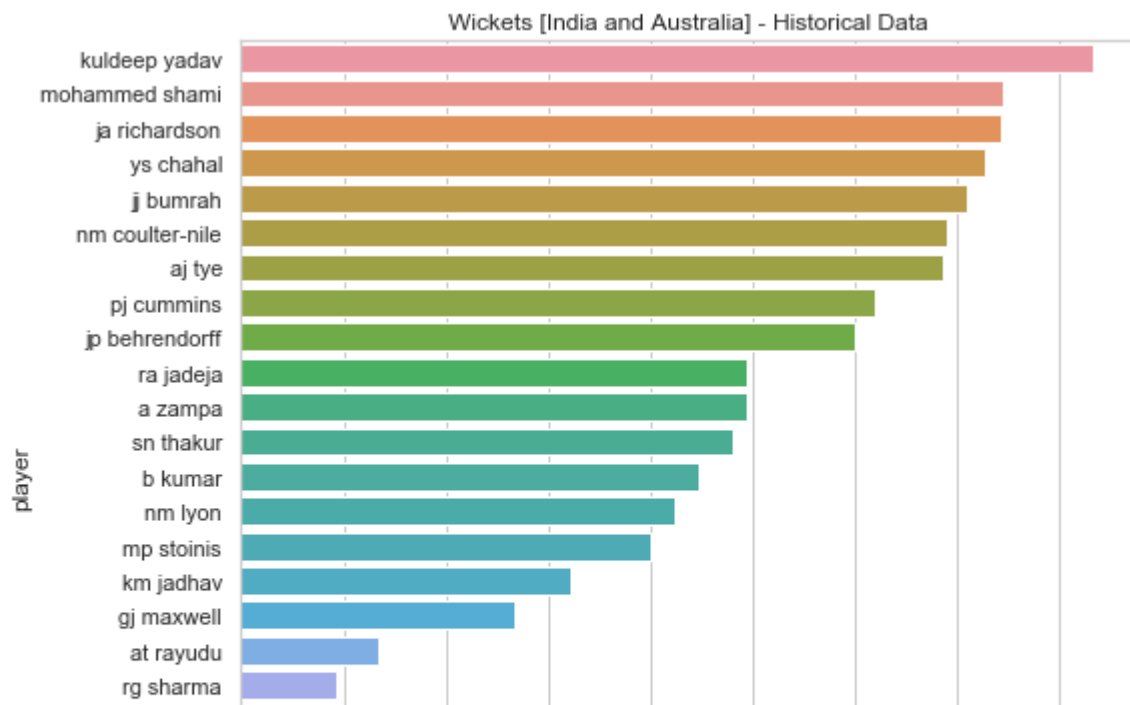


Fig 6.2 - Wickets [India vs Australia]

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|    | player          | wickets |
|----|-----------------|---------|
| 3  | b kumar         | 16      |
| 15 | ra jadeja       | 14      |
| 10 | mohammed shami  | 13      |
| 19 | ys chahal       | 12      |
| 12 | nm coulter-nile | 10      |
| 9  | kuldeep yadav   | 9       |
| 6  | jj bumrah       | 7       |
| 5  | ja richardson   | 6       |
| 11 | mp stoinis      | 6       |
| 14 | pj cummins      | 4       |
| 0  | a zampa         | 4       |
| 7  | jp behrendorff  | 3       |
| 4  | gj maxwell      | 2       |
| 8  | km jadhav       | 2       |
| 1  | aj finch        | 2       |
| 16 | rg sharma       | 2       |
| 13 | nm lyon         | 1       |
| 2  | at rayudu       | 0       |
| 17 | v kohli         | 0       |
| 18 | v shankar       | 0       |

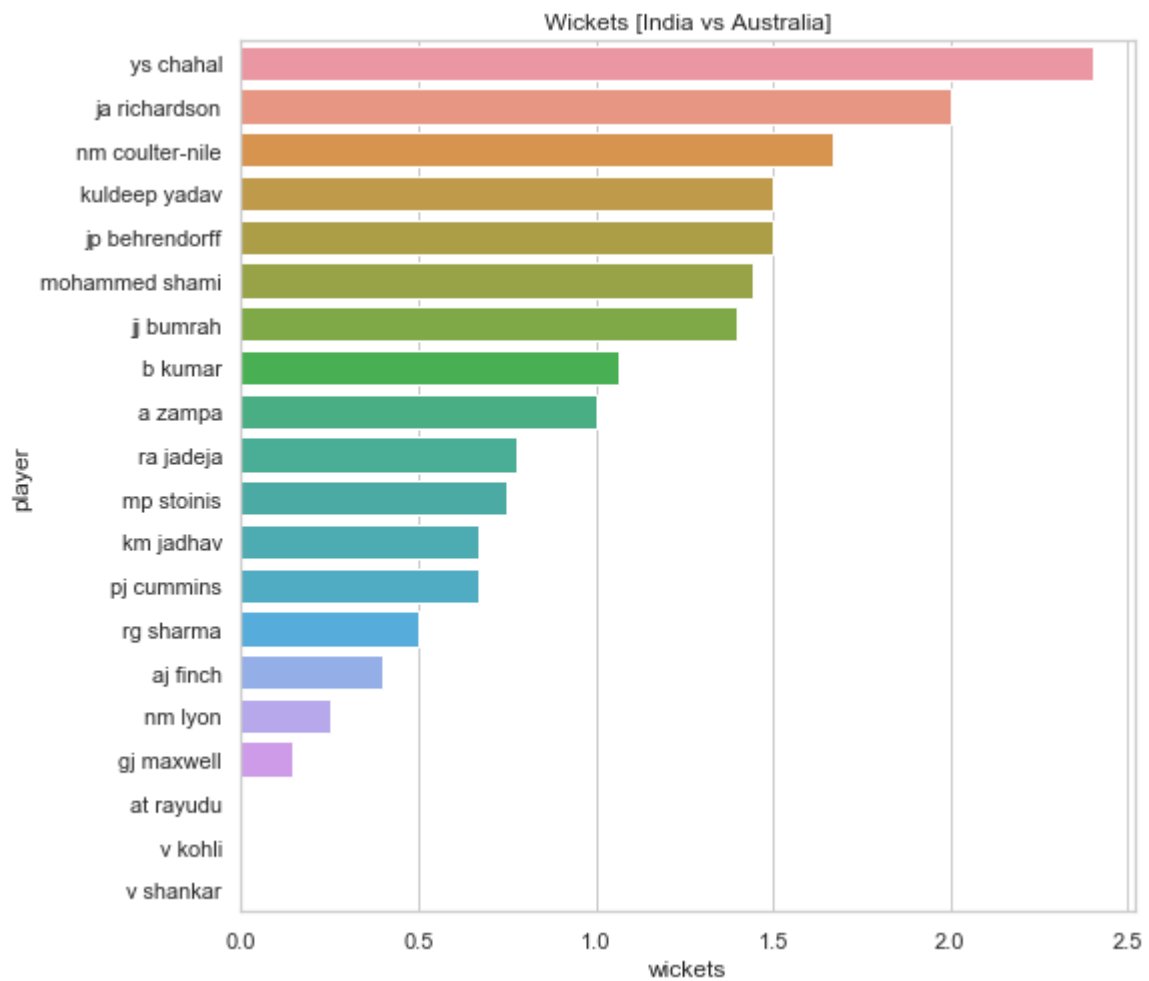


Fig 6.3 - Wickets [India and Australia] - India

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	player	wickets
12	ra jadeja	63
3	b kumar	37
5	jj bumrah	32
8	mohammed shami	22
15	ys chahal	21
7	kuldeep yadav	20
10	nm coulter-nile	10
6	km jadhav	8
0	a zampa	4
11	pj cummins	4
1	aj finch	2
9	mp stoinis	2
2	at rayudu	1
4	gj maxwell	1
14	v kohli	1
13	rg sharma	0

Wickets [India and Australia] - India

