Sachin vs Kohli – Process

- Developing idea of data to be used and shortlisting parameters

- Getting the data

- Pre-processing the data & Visualisations

- Calculating the required parameters

- Conclusion

Parameters:

- Batting RPI/Avg
- Strike Rate
- Number of 100's
- Number of 50's
- Team contribution

Sachin Tendulkar

1989-2012

First ODI Century in 1994

Virat Kohli

2008-Present

First ODI Century in 2009

Getting the data

Websites like:

- Statsguru

	Innings F	Innings F	Innings F	Innings M	Innings E	Innings N	Innings E	Innings E	Innings E	Innings E	Innings N	Opposit	Ground	Innings C	Country	50's	100's	Innings F	Innings C	Innings E	Innings M	Innings F
E Lewis	65	65	128	1	0	80	8	1	81.25	2	v India	Port of S	######	West Indi	1	0	50-99				
N Poorar	42	42	69	1	0	52	4	1	80.76	2	v India	Port of S	######	West Indi	0	0	0-49				
SD Hetm	18	18	31	1	0	20	2	0	90	2	v India	Port of S	######	West Indi	0	0	0-49				
RL Chas	18	18	34	1	0	23	0	0	78.26	2	v India	Port of S	######	West Indi	0	0	0-49				
SS Cottr	17	17	23	1	0	18	2	1	94.44	2	v India	Port of S	######	West Indi	0	0	0-49				
JO Holde	13*		13	38	1	1	19	0	0	68.42	2	v India	Port of S	######	West Indi	0	0	0-49			
CH Gayle	11	11	49	1	0	24	1	0	45.83	2	v India	Port of S	######	West Indi	0	0	0-49				
SD Hope	5	5	14	1	0	10	0	0	50	2	v India	Port of S	######	West Indi	0	0	0-49				
CR Brath	0	0	5	1	0	3	0	0	0	2	v India	Port of S	######	West Indi	0	0	0-49				
KAJ Roa	0	0	5	1	0	3	0	0	0	2	v India	Port of S	######	West Indi	0	0	0-49				
O Thoma	0	0	4	1	0	1	0	0	0	2	v India	Port of S	######	West Indi	0	0	0-49				
V Kohli	120	120	179	1	0	125	14	1	96	1	v West In	Port of S	######	India	0	1	100-149				
SS Iyer	71	71	101	1	0	68	5	1	104.41	1	v West In	Port of S	######	India	1	0	50-99				
RR Pant	20	20	27	1	0	35	2	0	57.14	1	v West In	Port of S	######	India	0	0	0-49				
RG Shar	18	18	75	1	0	34	2	0	52.94	1	v West In	Port of S	######	India	0	0	0-49				
RA Jadej	16*		16	24	1	1	16	1	0	100	1	v West In	Port of S	######	India	0	0	0-49			
KM Jadh	16	16	27	1	0	14	2	0	114.28	1	v West In	Port of S	######	India	0	0	0-49				
Mohamn	3*		3	11	1	1	5	0	0	60	1	v West In	Port of S	######	India	0	0	0-49			
S Dhawa	2	2	4	1	0	3	0	0	66.66	1	v West In	Port of S	######	India	0	0	0-49				
B Kumar	1	1	6	1	0	2	0	0	50	1	v West In	Port of S	######	India	0	0	0-49				
Kuldeep	DNB	-	-	0	0	-	-	-	-	1	v West In	Port of S	######	India	0	0	-				
KK Ahme	DNB	-	-	0	0	-	-	-	-	1	v West In	Port of S	######	India	0	0	-				
CR Brathwaite										1	v India	Port of S	######	West Indies				10	1	0	53
RL Chase										1	v India	Port of S	######	West Indies				10	1	1	37
SS Cottrell										1	v India	Port of S	######	West Indies				10	1	0	49
JO Holder										1	v India	Port of S	######	West Indies				9	1	0	53
O Thomas										1	v India	Port of S	######	West Indies				4	1	0	32
KAJ Roach										1	v India	Port of S	######	West Indies				7	1	0	54

Pre-processing the data

player	country	matches	runs	balls	not_out	average	50s	100s
V Kohli	India	216	10922	11636	0.17	60.68	51	
EJG Morga	England	179	6241	6576	0.14	40.53	38	
RG Sharm	India	172	7981	8838	0.13	53.21	38	
AD Mathe	Sri Lanka	168	5437	6492	0.27	44.57	37	
Mohamm	Pakistan	168	5740	7130	0.08	37.27	34	
MS Dhoni	India	161	5640	6574	0.3	50.36	39	
HM Amla	South Afri	157	7265	8152	0.07	49.76	33	
MJ Guptill	New Zeala	155	5888	6686	0.1	42.36	29	
TM Dilsha	Sri Lanka	155	6296	7234	0.09	44.65	31	
Mushfiqu	Banglades	151	5178	6226	0.16	40.77	33	
LRPL Taylc	New Zeala	145	6428	7692	0.18	54.02	39	
KS Willian	New Zeala	142	6132	7494	0.1	47.91	39	
WU Thara	Sri Lanka	140	4295	5502	0.11	34.64	24	
F du Pless	South Afri	136	5507	6215	0.15	47.47	35	
Tamim Iqt	Banglades	136	5028	6340	0.06	39.28	36	
JE Root	England	135	5856	6702	0.16	51.37	33	
KC Sangak	Sri Lanka	135	6356	7504	0.11	52.97	42	
JP Dumin	South Afri	132	3824	4467	0.22	37.13	21	
LD Chandi	Sri Lanka	132	3599	4855	0.16	32.42	22	
Mahmudu	Banglades	131	3431	4367	0.26	35.37	19	

Calculating the parameters

Absolute

- Batting Runs per innings, SR, No of 100's, No of 50's, Team contribution

Relative

Normalised values

- Technique to change the values of numeric columns in the dataset to use a common scale

This can be done by comparing normalised values for both:

Parameter	Sachin	Kohli	Winner
Runs per innings	1.94	2.03	Kohli
Strike Rate	1.22	1.12	Sachin
100's per match	0.15	0.18	Sachin
50's per match	0.57	0.55	Kohli
Team contribution	16.90%	17.61%	Kohli