MEASURES AND CALCULATIONS FOR THE CRICKET ANALYSIS DATA

Measures:

Sno	Measures	Description / Purpose	DAX FORMULA
1	Total Runs	Total number of runs scored by the batsman	`Total Runs = SUM(fact_batting_summary[runs])`
2	Total Innings Batted	Total number of innings a batsman got a chance to bat	`Total Innings Batted = COUNT(fact_batting_summary[match_id])`
3	Total Innings Dismissed	To find the number of innings batsman got out	`SUM(fact_batting_summary[out])`
4	**Batting Average**	**Average runs scored in an innings**	**Batting Avg = DIVIDE([Total Runs],[Total Innings Dismissed],0)**
5	Total balls Faced	Total number of balls faced by the batsman	total balls faced = SUM(fact_batting_summary[balls])
6	**Strike Rate**	**No of runs scored per 100 balls**	**Strike rate = DIVIDE([Total Runs],[total balls faced],0)*100**
7	Batting Position	Batting position of a player	`Batting Position = ROUNDUP(AVERAGE(fact_batting_summary[batting_pos]),0)`
8	Boundary %	Percentage of boundaries scored by the Batsman	`Boundary % =  DIVIDE(SUM(fact_batting_summary[Boundary runs]),[Total Runs],0)`
9	Avg. balls Faced	Average balls faced by the batter in an innings	AVERAGE(fact_batting_summary[balls])
10	Wickets	Total number of wickets taken by a bowler	wickets = SUM(fact_bowling_summary[wickets])
11	balls Bowled	Total number of balls bowled by the bowler	balls Bowled = SUM(fact_bowling_summary[balls])
12	Runs Conceded	Total runs conceded by the bowler	Runs Conceded = SUM(fact_bowling_summary[runs])
13	**Bowling Economy**	**Average number of runs conceded in an over**	**Economy = DIVIDE([Runs Conceded], ([balls Bowled]/6),0)**
14	**Bowling Strike Rate**	**Number of balls bowled per wicket**	**Bowling Strike Rate = DIVIDE([balls Bowled], [wickets],0)**
15	Bowling Average	No. of runs allowed per wicket	Bowling Average = DIVIDE([Runs Conceded],[wickets],0)
16	Total Innings Bowled	Total number of innings bowled by a bowler	Total Innings Bowled = DISTINCTCOUNT(fact_bowling_summary[match_id])
17	Dot Ball %	Percentage of dot balls bowled by a bowler	Dot ball % = DIVIDE(SUM(fact_bowling_summary[zeros]), SUM(fact_bowling_summary[balls]),0)
18	Player Selection	To understand if a player is selected or not	Player Selection = if(ISFILTERED(dim_player[name]),"1","0")
19	Display Text	To display a text of no player is selected	Display Text = if([Player Selection] = "1", " ","Select Player(s) by clicking the player's name to see their individual or combined strength.")
20	Color Callout Value	To display a value only when a player is selected	Color Callout Value = if([Player Selection]="0", "#D0CF1D","#1D1D2E")

Calculated Columns

Sno.	Calculated Column Name	Description / Purpose	DAX formula
1	boundary runs	to find the total number of runs scored by hitting fours and sixes	boundary runs = fact_batting_summary[fours]*4 + fact_batting_summary[sixes]*6
2	Boundary runs bowling	to find the total number of runs conceded by bowlers in boundaries	Boundary runs = fact_bowling_summary[fours]*4 +fact_bowling_summary[Sixes]*6
3	Custom Batting Order	To assign the batting order to potential final 11	SWITCH(TRUE(), dim_player[name] = "Jos Buttler",1, dim_player[name] = "Rilee Rossouw",2, dim_player[name] = "Alex Hales",2, dim_player[name] = "Virat Kohli",3, dim_player[name] = "Suryakumar Yadav" ,4, dim_player[name] = "Glenn Phillips" ,5, dim_player[name] = "Marcus Stoinis" ,6, dim_player[name] = "Glenn Maxwell" ,6, dim_player[name] = "Sikandar Raza" ,7, dim_player[name] = "Rashid Khan" ,8, dim_player[name] = "Shadab Khan" ,8, dim_player[name] = "Sam Curran" ,9, dim_player[name] = "Shaheen Shah Afridi" ,10, dim_player[name] = "Anrich Nortje" ,11)