

How the Result of a Batter's Plate Appearance
Affects Offensive Statistical Categories

Result of Plate Appearance	Scorebook Notation	Offensive Category				
		AB	Avg	OBP	Slg	App
Sacrifice Hit (Bunt)	SACn-n	z	z	z	z	I
Reached - Def Interference	INT,En	z	z	z	z	I
Reached - Def Obstruction	OBS,En	z	z	z	z	I
Base on Balls/Walk	BB/W	z	z	I	z	I
Hit by Pitch	HP/HBP	z	z	I	z	I
Sacrifice Fly	SFn	z	z	D	z	I
Base Hit	1B/2B/3B/HR	I	I	I	V	I
Strikeout Swinging/Called	K/KC (bkwrđ K)	I	D	D	D	I
Grounded Out	n-n/nU	I	D	D	D	I
Flied Out/Popped Out	Fn/Pn	I	D	D	D	I
Reached - Fielder's Choice	FCn	I	D	D	D	I
Reached - Error	En	I	D	D	D	I
Reached - Dropped 3rd Strike	KD+ (PB/WP)	I	D	D	D	I
Out - Batter's Interference	INTB	I	D	D	D	I
Out - Illegally Batted Ball (Out of box, or ball hits batter)	2U	I	D	D	D	I

Abbreviations:

AB	Official At Bat
Avg	Batting Average
OBP	On Base Percentage
Slg	Slugging Average
App	Plate Appearance (Turn at bat)
OPS	On Base plus Slugging
KC	Strikeout Called (Looking)
U	Unassisted
n	Defensive Position Number

Symbols Used Above:

z	No Change
I	Increase
D	Decrease
V	Varies

How to compute offensive averages:

$$\text{Avg} = (\text{Hits} / \text{AB})$$

$$\text{OBP} = \frac{(\text{Hits} + \text{BB} + \text{HBP})}{(\text{AB} + \text{BB} + \text{HBP} + \text{SF})}$$

$$\text{Slg} = (\text{Total Bases} / \text{AB})$$

$$\text{OPS} = (\text{OBP} + \text{Slg})$$

Defensive
Position
Numbers

	CF8	
LF7		RF9
SS6		2B4
	*	
3B5		1B3
*	P-1	*
	C*2	