

AMDM

Standard: MAMDMN1.b

Best Slugger Project Due End of Class: Friday, January 13, 2017

Quick Content Notes

- A slugging average of .500 or higher is a sign of an excellent baseball player.
- Slugging averages are, typically, expressed in decimals not percentage.
- SLG (slugging average) is a statistical tool used to measure the power of a hitter.
- SLG formula: (total bases divided by total at bats): the weights are: 1 point for each 1st base hit, 2 points for each 2nd base hit, 3 points for each 3rd base hit and 4 points for each home run (HR) hits.

Project Details

- Select two professional baseball players. Record each player's SLG data (at bats, first base hits, second base hits, third base hits, and homeruns) for five consecutive years inside a table (one table per year).
- Give a brief description of each player (date of birth, nationality, nickname, beginning date of professional career, date of last game played, if applicable, etc.).
- Which player had the better slugging percentage for that year?
- Which player averaged the highest five year slugging percentage?
- Be sure to share "newsworthy" events about player.
- Be creative in your presentation.

Great resource: www.reference-baseball.com

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Example:

Ryan Braun Professional Biography:

Position: Pitcher

Bats: Right, **Throws:** Right

Height: 6' 1", **Weight:** 220 lb.

Born: Canada

Team: Royals (2006-2007)

Miguel Cabrera Professional Biography:

Positions: First Baseman, Third Baseman and Leftfielder

Bats: Right, **Throws:** Right

Height: 6' 4", **Weight:** 240 lb.

Born: Venezuela

Team: Tigers/Marlins

Year: 2007

Ryan Braun	Statistics	Miguel Cabrera	Statistics
At Bats	451	At Bats	588
1 st Base Hits	146	1 st Base Hits	188
2 nd Base Hits	26	2 nd Base Hits	38
3 rd Base Hits	6	3 rd Base Hits	2
Homeruns	34	Homeruns	34
SLG (average only; formula work must be shown on a separate sheet of paper)	.780	SLG (average only; formula work must be shown on a separate sheet of paper)	.690

Comment: Braun's SLG show that he was a more powerful hitter than Cabrera in 2007.

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Rubric

5 Points	4 Points	3 Points	2 Points	1 Point	Criterion	Weight	Points Earned
Student went above and beyond the assignment. Did extra research and work.	Student spent a lot of time working to make sure the presentation was well done. Got help and asked for feedback.	Student gave effort to the project. Met all the expectations. Didn't go above and beyond.	Student put for minimal effort. Has a few errors and could have added more to the presentation.	Student's work shows little preparation, creativity or effort. Lots of errors and sloppy handwriting.	Effort	10%	
Student mastered the concepts and even added more to the principles.	Student understood the concepts and did more than what was expected of him/her.	Student understood concepts and completed all the tasks in the assignment.	Understood a few of the concepts, but still left out pieces and parts of the assignment.	Didn't incorporate concepts into project. Misunderstood the ideas and principles.	Understanding of Concepts	40%	
Student got every problem correct, including the bonus work.	Student got every problem correct.	Student got most of the problems correct with only a few errors.	Half of the problems were incorrect.	Most or all of the answers to each problem were incorrect.	Correct answers to problems	40%	
Presentation was creative, excellently done, using visuals and props.	Presentation was well done, with visuals, interaction with the class, and comprehensive.	Presentation was correct length. Student used visuals.	Presentation was short and lacking creativity. Some visuals were used.	Presentation was rushed, sloppy, and too short. Lacked effort and/or visual tools.	Presentation	10%	

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