

Week 12+13 Report

Data

For this project, our team used a dataset of information on Rule 4 Major League Baseball players, including their name, height and weight, position, team, school, school type, round, and pick. We have identified trends within this dataset which are explained below.

Top Schools That Produced Certain Positions Across Multiple Years

One area of interest was to examine which schools produced the most number of players for each position across multiple years. Schools appearing in this list could potentially be identified as schools consistently producing talent.

Schools with 2 or more Outfielders in multiple years

School	Year	Number of Players
UCLA	2016	4
UCLA	2018	2
UCLA	2019	2
Mississippi State	2016	2
Mississippi State	2017	2
Mississippi State	2018	2
Stanford	2017	3
Stanford	2019	2
Illinois	2018	3
Illinois	2019	2
Miami	2016	2
Miami	2018	2
Dallas Baptist	2016	2
Dallas Baptist	2018	2

Schools with 2 or more 3B's in multiple years

1. No school with 2 or more 3B's appeared in multiple years

Schools with 4 or more RHP's in multiple years

School	Year	Number of Players
Arkansas	2016	4
Arkansas	2017	5
Arkansas	2018	4
Arkansas	2019	4
Cal State Fullerton	2016	5
Cal State Fullerton	2018	5
Mississippi State	2016	4
Mississippi State	2019	5
North Carolina	2019	6
North Carolina	2018	6
North Carolina	2019	5
Oklahoma State	2019	6
Oklahoma State	2019	4
Texas A&M	2016	6
Texas A&M	2017	4
Texas A&M	2018	4
Texas Tech	2016	4
Texas Tech	2018	5
Vanderbilt	2017	5
Vanderbilt	2018	4
Central Florida	2017	4
Central Florida	2018	4

Schools with 3 or more LHP's in multiple years

School	Year	Number of Players
Michigan	2016	3
Michigan	2017	3

Schools with 3 or more C's in multiple years

1. No school with 3 or more C's appeared in multiple years

Schools with 2 or more SS's in multiple years

School	Year	Number of Players
Oregon State	2016	2
Oregon State	2018	2
UC Santa Barbara	2017	2
UC Santa Barbara	2018	2

Schools with 2 or more 2B's in multiple years

1. No school with 2 or more 2B's appeared in multiple years

Schools with 2 or more 1B's in multiple years

1. No school with 2 or more 1B's appeared in multiple years

Top States to Produce Draft Picks

1. Every year, California, Florida, Texas, North Carolina, and most of the time Georgia produced the most MLB Draft picks in that order, besides in 2020 in which Texas was ahead of Florida, and Tennessee produced more draft picks than Georgia.
2. States where baseball can be played year round tend to produce more draft picks because they play baseball more often due to warmer weather.

Top Schools to Produce Draft Picks Overall

1. Vanderbilt, Michigan, Mississippi State, Texas Tech, and Texas A&M have appeared at least twice in the past 5 drafts for top 5 schools to produce draft picks
2. Chipola JC is the only junior college to appear in the top 5 in the past 5 drafts
3. Vanderbilt, Mississippi State, and Texas A&M are all from the SEC.

Top Positions to be Drafted

1. RHP, OF, LHP, SS, and C are the top 5 positions to be drafted in this order, sometimes SS and C switches spots
2. 1B, 2B, and 3B don't get drafted as often

BY EACH YEAR (2016-2020)**a. # of ppl from each state****Top 5 states**

2016: California-170, Florida-119, Texas-111, North Carolina-48, Georgia-47

2017: California-179, Florida-145, Texas-113, North Carolina-66, 2 states-39

2018: California-149, Florida-134, Texas-105, North Carolina-68, Georgia-50

2019: California-170, Florida-129, Texas-114, North Carolina-65, Georgia-49

2020: California-23, Texas-18, Florida-15, Tennessee-10, North Carolina-10

b. # of ppl from each school**Top 5 schools**

2016: Texas A&M-13, Southern California-12, Oklahoma State-11, Mississippi State-11, Texas Tech-10

2017: Texas-11, Stanford-11, Michigan-11, Chipola JC-11, 2 schools-9

2018: Kentucky-13, Wichita State-11, Texas Tech-11, Arkansas-11, 2 schools-10

2019: Vanderbilt-13, UCLA-13, Mississippi State-11, UC Santa Barbara-10, Indiana-10

2020: Arizona State-5, Vanderbilt-4, Oklahoma-4, Michigan-4, 5 schools-3

c. # of ppl from each position**Top 5 from each position**

2016: RHP-476, OF-214, LHP-159, C-116, SS-106

2017: RHP-473, OF-206, LHP-187, SS-103, C-100

2018: RHP-502, OF-212, LHP-153, C-115, SS-103

2019: RHP-490, OF-201, LHP-157, SS-125, C-102

2020: RHP-63, OF-28, LHP-23, SS-21, C-10

Players Picked up by the MLB from Each Type of School:**2016:**

Type of School:	Proportion:
4 Year	0.630
High School	0.259
Junior College	0.109

2017:

Type of School:	Proportion:
4 Year	0.636
High School	0.257
Junior College	0.106

2018:

Type of School:	Proportion:
4 Year	0.664
High School	0.251
Junior College	0.085

2019:

Type of School:	Proportion:
4 Year	0.644
High School	0.234
Junior College	0.096

2020:

Type of School:	Proportion:
4 Year	0.667
High School	0.290
Junior College	0.031

As can be seen from the tables above, there is a pretty consistent trend from 2016 to 2020 for the majority of major league players to be picked up from a 4 year university. About $\frac{2}{3}$ of major league players come from 4 year institutions, about $\frac{1}{4}$ of major league players come from high schools, and anywhere from about 3% to 10% of major league players come from junior colleges. Therefore, since the trend has remained the same for five years, it is safe to assume that it is most likely for a player enrolled in a 4 year institution to get picked up by the MLB and least likely for a player enrolled in a junior college to get picked up by the MLB.