



Rapsodo[®]

BASEBALL HITTING AVERAGES BY AGE



Rapsodo®

Rapsodo is trusted by scouts and recruits for player development and we are on a mission to help athletes reach their full potential. To that end, we have analyzed the data for more than 35 million hits and pitches collected by Rapsodo Baseball technology. We have taken the data and created a Baseball Hitting Averages by Age Guide.

This guide provides a player development pathway for baseball players from ages 10 to professional.

Baseball players can see how they stack up against their peers and can get on track to take their game to the next level!

125K

Players

900+

Colleges

30

MLB Teams

90%

Of DI Baseball
Champions

85%

Of DI Baseball
Teams

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AVERAGES: 10 YEAR OLDS

● LIVE/BP ● SOFT TOSS ● TEE

DISTANCE (FT.)			
RH	78	LH	89
RH	78	LH	78
RH	85	LH	73

EXIT VELOCITY (MPH)			
RH	53	LH	54
RH	50	LH	50
RH	52	LH	50

LAUNCH ANGLE (DEG.)			
RH	10	LH	11
RH	12	LH	12
RH	12	LH	11

SPIN (RPM)			
RH	1985	LH	1995
RH	1742	LH	1679
RH	1386	LH	1456

AVERAGES: 11 YEAR OLDS

● LIVE/BP ● SOFT TOSS ● TEE

DISTANCE (FT.)			
RH	85	LH	87
RH	88	LH	92
RH	90	LH	93

EXIT VELOCITY (MPH)			
RH	54	LH	55
RH	53	LH	53
RH	54	LH	54

LAUNCH ANGLE (DEG.)			
RH	11	LH	12
RH	13	LH	13
RH	13	LH	14

SPIN (RPM)			
RH	1967	LH	1903
RH	1746	LH	1690
RH	1413	LH	1472



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AVERAGES: 12 YEAR OLDS

● LIVE/BP ● SOFT TOSS ● TEE

DISTANCE (FT.)			
RH	102	LH	103
RH	105	LH	105
RH	98	LH	92

EXIT VELOCITY (MPH)			
RH	59	LH	59
RH	57	LH	58
RH	57	LH	56

LAUNCH ANGLE (DEG.)			
RH	13	LH	13
RH	14	LH	13
RH	13	LH	12

SPIN (RPM)			
RH	1996	LH	1927
RH	1739	LH	1631
RH	1414	LH	1420

AVERAGES: 13 YEAR OLDS

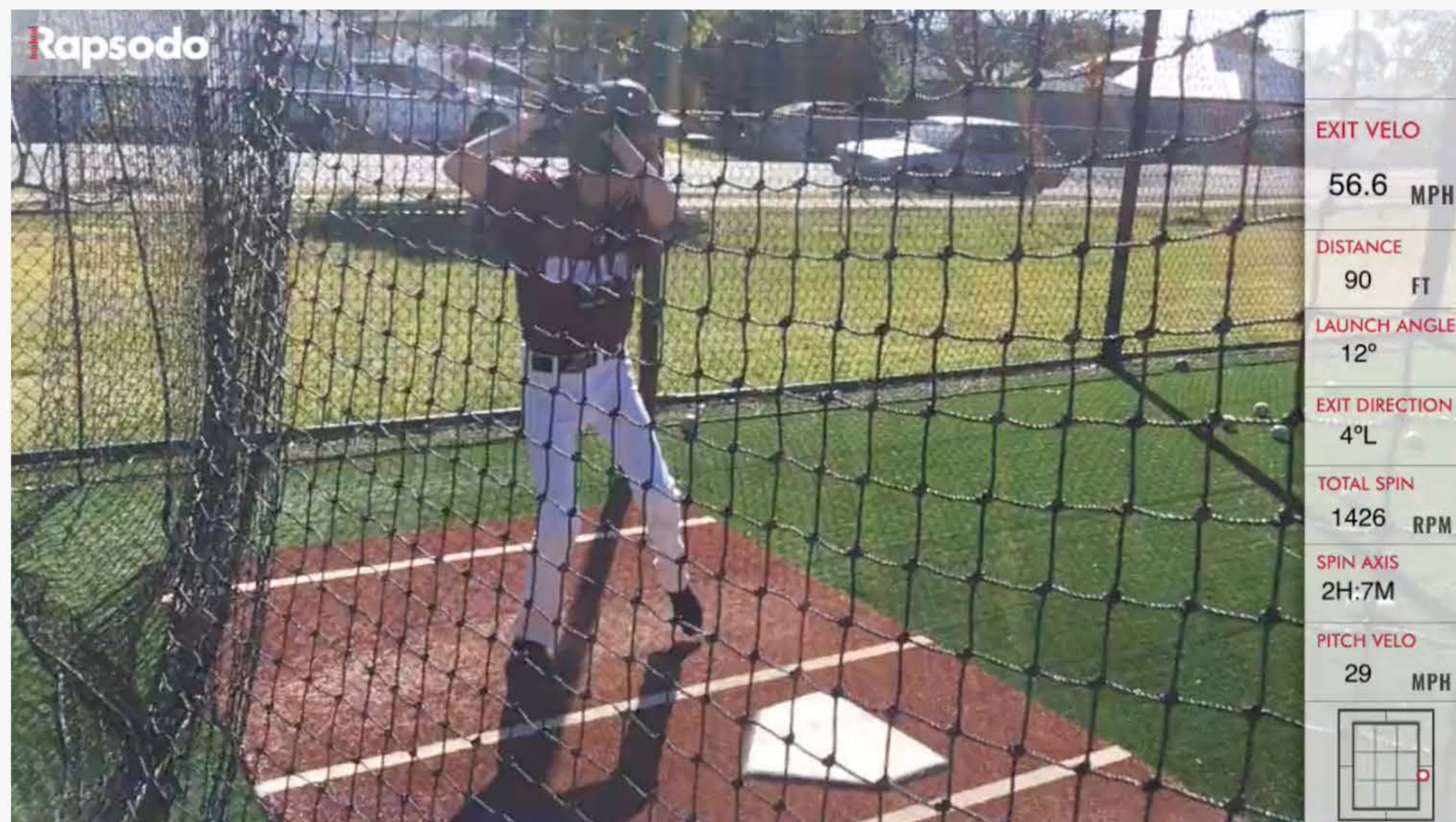
● LIVE/BP ● SOFT TOSS ● TEE

DISTANCE (FT.)			
RH	116	LH	112
RH	115	LH	115
RH	105	LH	102

EXIT VELOCITY (MPH)			
RH	63	LH	63
RH	62	LH	62
RH	62	LH	63

LAUNCH ANGLE (DEG.)			
RH	13	LH	13
RH	13	LH	13
RH	11	LH	11

SPIN (RPM)			
RH	2050	LH	1967
RH	1710	LH	1672
RH	1335	LH	1335



EXIT VELO
56.6 MPH

DISTANCE
90 FT

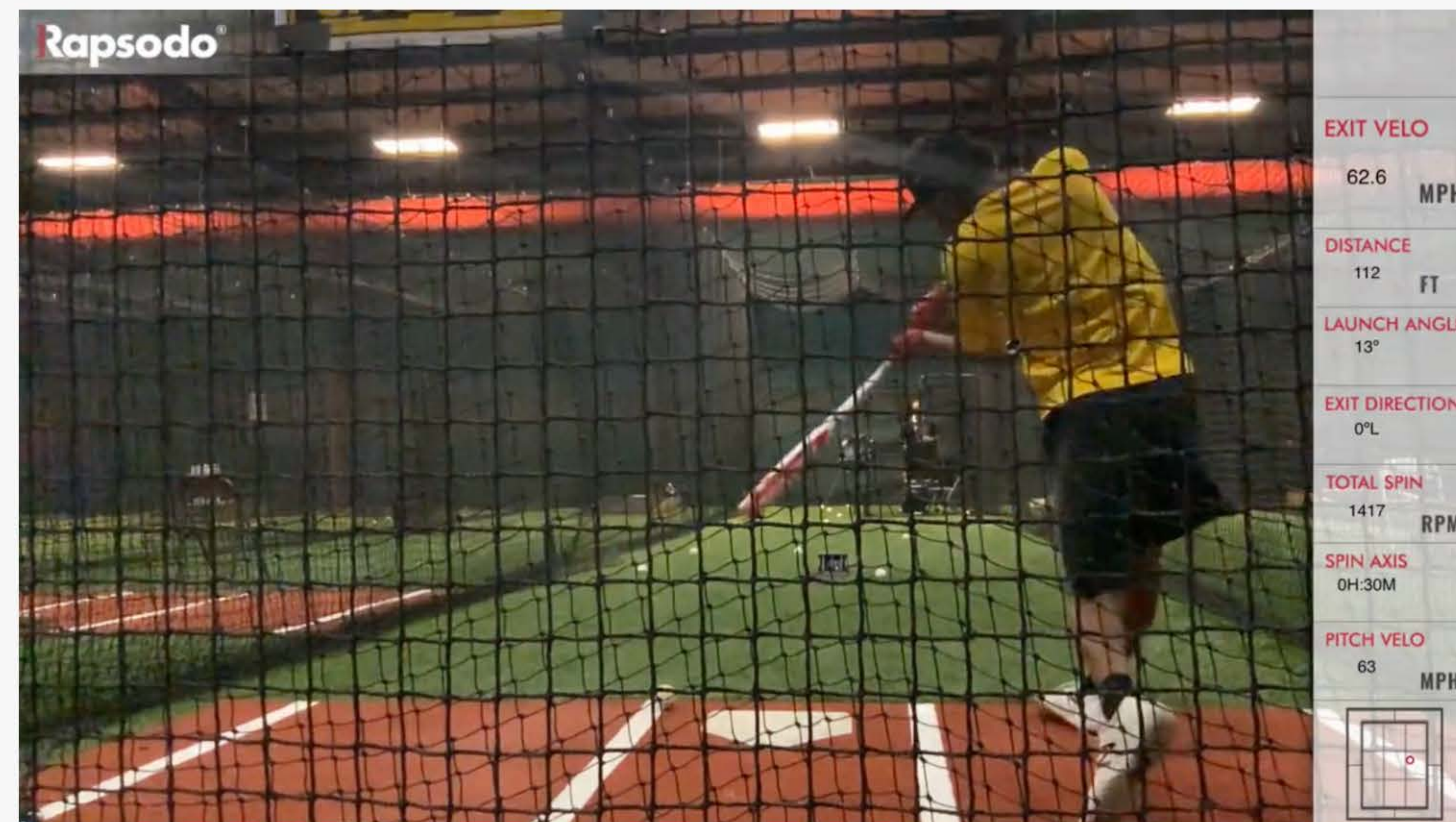
LAUNCH ANGLE
12°

EXIT DIRECTION
4°L

TOTAL SPIN
1426 RPM

SPIN AXIS
2H:7M

PITCH VELO
29 MPH



EXIT VELO
62.6 MPH

DISTANCE
112 FT

LAUNCH ANGLE
13°

EXIT DIRECTION
0°L

TOTAL SPIN
1417 RPM

SPIN AXIS
0H:30M

PITCH VELO
63 MPH



“Rapsodo data has helped us create customized player development programs. We are able to assess player deficiencies, build personalized development plans, and track progress to maximize individual performance. Rapsodo provides our coaches and youth athletes with instant feedback so they can make immediate adjustments and see the results”

Mark Gallion, St. Louis Gamers

AVERAGES: 14 YEAR OLDS

● LIVE/BP ● SOFT TOSS ● TEE

DISTANCE (FT.)			
RH	132	LH	120
RH	131	LH	135
RH	114	LH	117

EXIT VELOCITY (MPH)			
RH	68	LH	67
RH	65	LH	66
RH	66	LH	66

LAUNCH ANGLE (DEG.)			
RH	14	LH	12
RH	14	LH	14
RH	11	LH	11

SPIN (RPM)			
RH	2081	LH	1954
RH	1722	LH	1755
RH	1372	LH	1462

AVERAGES: 15 YEAR OLDS

● LIVE/BP ● SOFT TOSS ● TEE

DISTANCE (FT.)			
RH	140	LH	140
RH	147	LH	151
RH	126	LH	126

EXIT VELOCITY (MPH)			
RH	71	LH	71
RH	70	LH	70
RH	70	LH	70

LAUNCH ANGLE (DEG.)			
RH	14	LH	14
RH	14	LH	15
RH	11	LH	10

SPIN (RPM)			
RH	2133	LH	2074
RH	1758	LH	1790
RH	1368	LH	1515



EXIT VELO
61.9 MPH

DISTANCE
117 FT

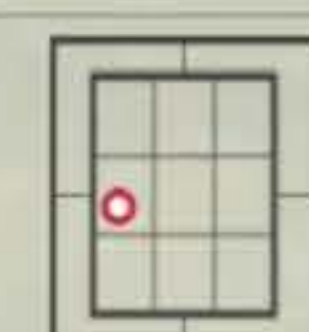
LAUNCH ANGLE
17°

EXIT DIRECTION
16°L

TOTAL SPIN
2803 RPM

SPIN AXIS
5H:30M

PITCH VELO
39 MPH



EXIT VELO
76.0 MPH

DISTANCE
148 FT

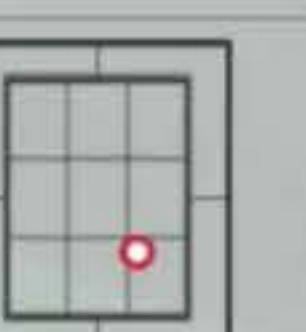
LAUNCH ANGLE
11°

EXIT DIRECTION
1°L

TOTAL SPIN
752 RPM

SPIN AXIS
11H:36M

PITCH VELO
22 MPH



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AVERAGES: 16 YEAR OLDS

● LIVE/BP ● SOFT TOSS ● TEE

DISTANCE (FT.)			
RH	152	LH	152
RH	162	LH	168
RH	136	LH	130

EXIT VELOCITY (MPH)			
RH	74	LH	73
RH	74	LH	74
RH	75	LH	74

LAUNCH ANGLE (DEG.)			
RH	15	LH	15
RH	15	LH	15
RH	10	LH	10

SPIN (RPM)			
RH	2234	LH	2303
RH	1752	LH	1822
RH	1363	LH	1390

AVERAGES: 17 YEAR OLDS

● LIVE/BP ● SOFT TOSS ● TEE

DISTANCE (FT.)			
RH	161	LH	168
RH	173	LH	180
RH	141	LH	148

EXIT VELOCITY (MPH)			
RH	76	LH	77
RH	77	LH	78
RH	77	LH	79

LAUNCH ANGLE (DEG.)			
RH	15	LH	15
RH	15	LH	15
RH	10	LH	10

SPIN (RPM)			
RH	2197	LH	2116
RH	1777	LH	1744
RH	1414	LH	1366

EXIT VELO	76.9 MPH
DISTANCE	166 FT
LAUNCH ANGLE	10°
EXIT DIRECTION	17°R
TOTAL SPIN	1223 RPM
SPIN AXIS	OH:6M
PITCH VELO	63 MPH

EXIT VELO	79.9 MPH
DISTANCE	177 FT
LAUNCH ANGLE	10°
EXIT DIRECTION	3°L
TOTAL SPIN	954 RPM
SPIN AXIS	OH:40M
PITCH VELO	28 MPH

“The two pillars of our program at Michigan are recruiting and development and we try to back up everything our eyes tell us with the objective data Rapsodo provides, both with our current players and potential student-athletes. The Rapsodo Database and RapScore have been critical to our recruiting efforts by giving us a better glimpse into what the athletes we are watching online can do with the baseball.”

Chris Fetter University of Michigan

AVERAGES: 18 YEAR OLDS

● LIVE/BP ● SOFT TOSS ● TEE

DISTANCE (FT.)			
RH	175	LH	166
RH	181	LH	176
RH	144	LH	151

EXIT VELOCITY (MPH)			
RH	79	LH	79
RH	79	LH	77
RH	79	LH	80

LAUNCH ANGLE (DEG.)			
RH	15	LH	14
RH	15	LH	14
RH	10	LH	10

SPIN (RPM)			
RH	2267	LH	2187
RH	1820	LH	1883
RH	1500	LH	1526

AVERAGES: COLLEGE

● LIVE/BP ● SOFT TOSS ● TEE

DISTANCE (FT.)			
RH	169	LH	170
RH	189	LH	193
RH	152	LH	160

EXIT VELOCITY (MPH)			
RH	80	LH	80
RH	81	LH	80
RH	80	LH	80

LAUNCH ANGLE (DEG.)			
RH	14	LH	14
RH	15	LH	16
RH	10	LH	11

SPIN (RPM)			
RH	2135	LH	2146
RH	1769	LH	1812
RH	1465	LH	1527



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“When it comes to player evaluation and scouting,
Rapsodo data is a vital piece of our decision-making process.”

MLB Executive

AVERAGES: PROS

● LIVE/BP ● SOFT TOSS ● TEE

DISTANCE (FT.)

RH	200	LH	199
RH	202	LH	198
RH	171	LH	166

EXIT VELOCITY (MPH)

RH	85	LH	86
RH	82	LH	85
RH	78	LH	80

LAUNCH ANGLE (DEG.)

RH	16	LH	15
RH	15	LH	14
RH	12	LH	11

SPIN (RPM)

RH	2183	LH	2193
RH	1776	LH	1737
RH	1486	LH	1538

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EXIT VELO	94.0	MPH
DISTANCE	226	FT
LAUNCH ANGLE	10°	
EXIT DIRECTION	5°L	
TOTAL SPIN	1288	RPM
SPIN AXIS	1H:12M	
PITCH VELO	49	MPH

“80% of 2020 MLB first round draft picks used
Rapsodo data to build their draft stock ”

AVERAGES: 10 YEAR OLDS-PRO

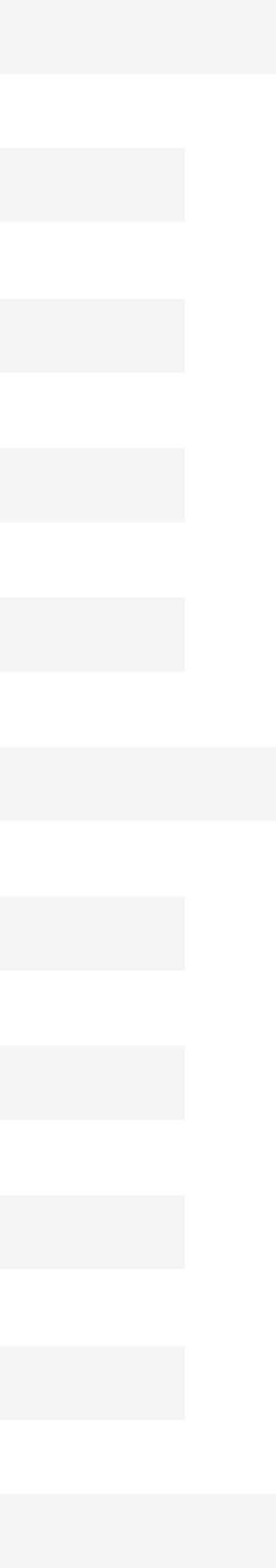
● LIVE/BP ● SOFT TOSS ● TEE

DISTANCE (FT.)										
10 / YO	11 / YO	12 / YO	13 / YO	14 / YO	15 / YO	16 / YO	17 / YO	18 / YO	College	Pro
79	85	102	116	130	140	152	162	174	169	200
78	88	105	115	131	147	162	174	181	190	200
84	90	98	105	114	126	135	142	145	154	169

EXIT VELOCITY (MPH)										
10 / YO	11 / YO	12 / YO	13 / YO	14 / YO	15 / YO	16 / YO	17 / YO	18 / YO	College	Pro
53	54	59	63	68	71	74	76	79	80	86
50	53	57	61	65	70	74	77	79	81	83
52	54	57	62	66	70	74	77	79	80	79

LAUNCH ANGLE (DEG.)										
10 / YO	11 / YO	12 / YO	13 / YO	14 / YO	15 / YO	16 / YO	17 / YO	18 / YO	College	Pro
10	11	13	13	14	14	15	15	15	14	15
12	13	14	13	14	14	15	15	15	15	15
12	13	12	11	11	11	10	10	10	11	12

SPIN (RPM)										
10 / YO	11 / YO	12 / YO	13 / YO	14 / YO	15 / YO	16 / YO	17 / YO	18 / YO	College	Pro
1986	1961	1988	2042	2068	2126	2242	2187	2259	2137	2186
1736	1741	1728	1706	1726	1763	1759	1773	1827	1779	1760
1394	1419	1415	1335	1383	1386	1366	1408	1503	1479	1506



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