

STARS MATTER: AN ANALYSIS OF COLLEGE FOOTBALL RECRUITING & DEVELOPMENT

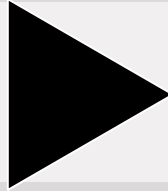
By Naya Kessman, Ellery Axel, Cotton Snoddy, & Will Hoey

BACKGROUND

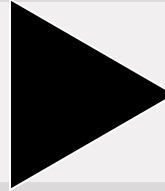
Joe Burrow



High School

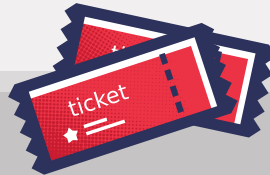


College



NFL

3.8% of NFL Draft-eligible Division I FBS football players make it to the NFL





OUR QUESTION

Which NCAA Division 1 program is best developing their players for the NFL draft, factoring in how well they recruit?

GOALS



**UNDERSTAND THE
CONNECTION BETWEEN
HOW WELL PROGRAMS
RECRUIT PLAYERS AND
HOW HIGHLY THEIR
RECRUITING CLASSES
ARE DRAFTED**



**IDENTIFY THE
PROGRAMS WHO HAVE
DONE THE BEST AT
DEVELOPING THEIR
RECRUITS FOR THE
DRAFT**

RESOURCES



247 SPORTS

We gathered our
recruiting class rating
data from
247Sports.com



CFB DATA

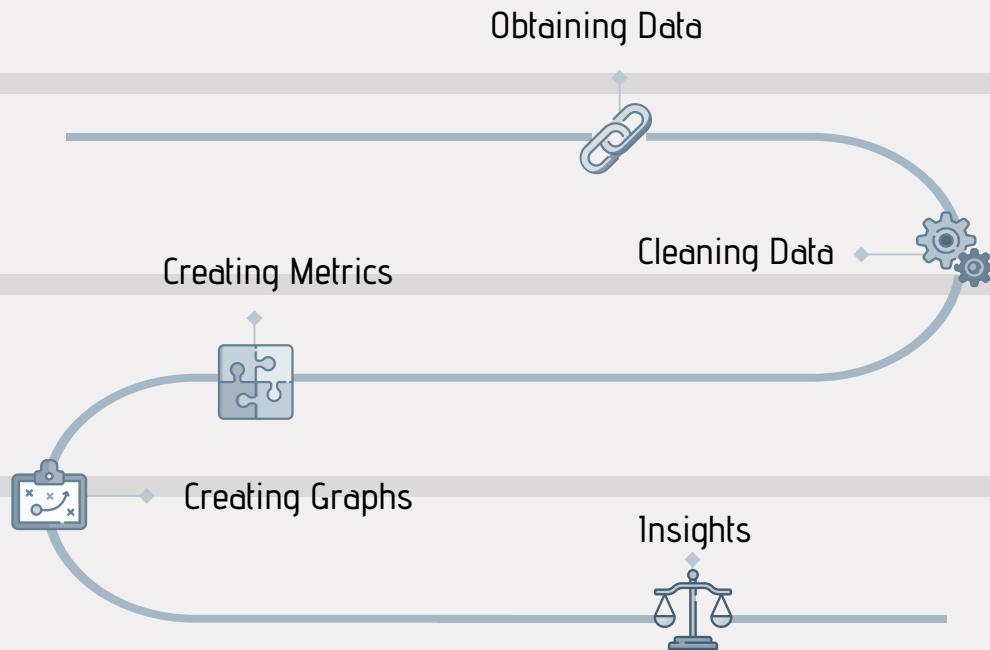
We obtained our draft
data from
CollegeFootballData.com



R

We used R to
manipulate our data
and create graphs

PROCEDURE



METRICS

247Sports Composite Rating:

- Represents an “industry consensus” of the caliber of every school’s recruiting class in a given year

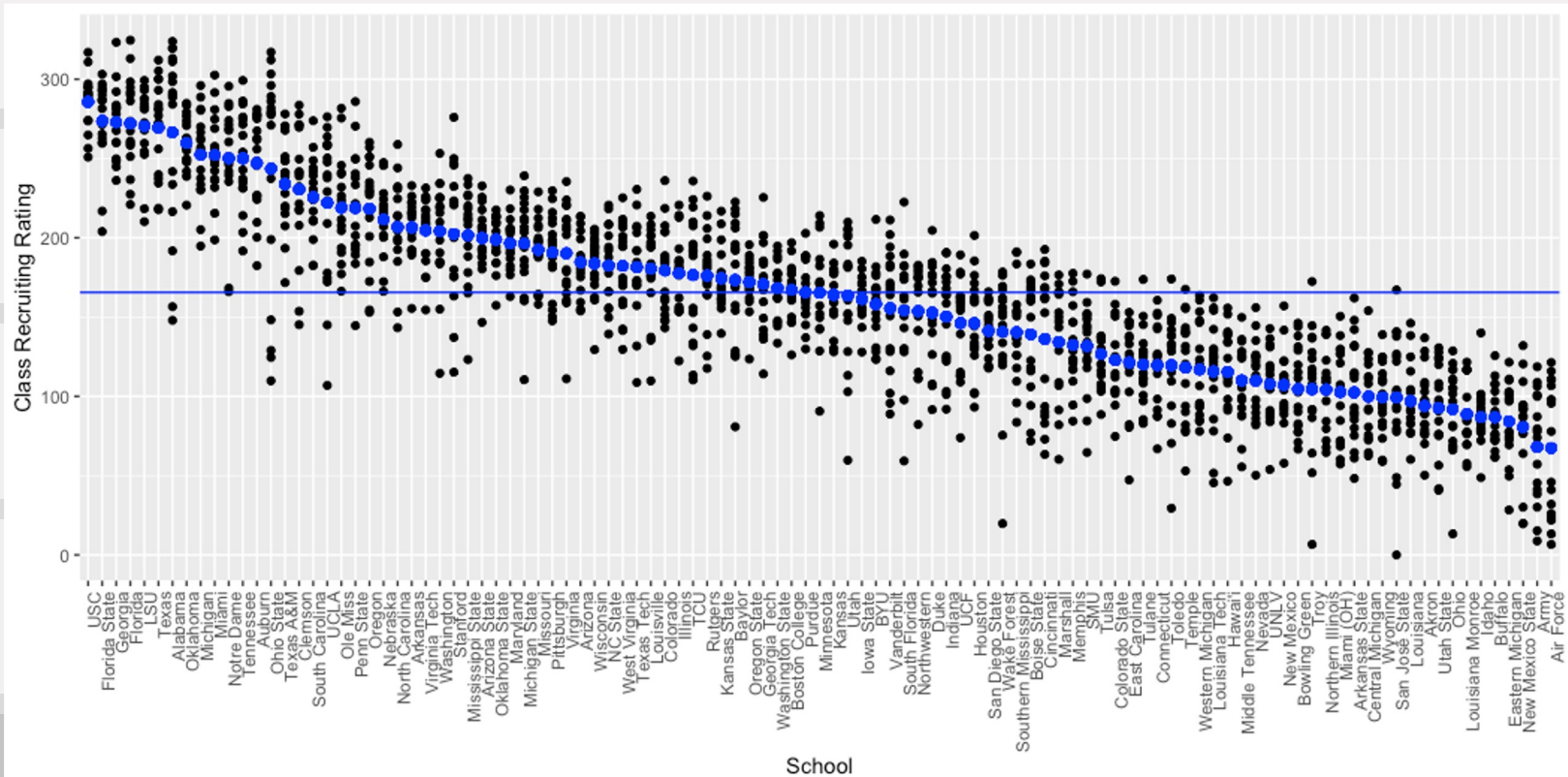
Total Draft Value:

- Assigns a value from 0 to 1 to every slot of a given draft

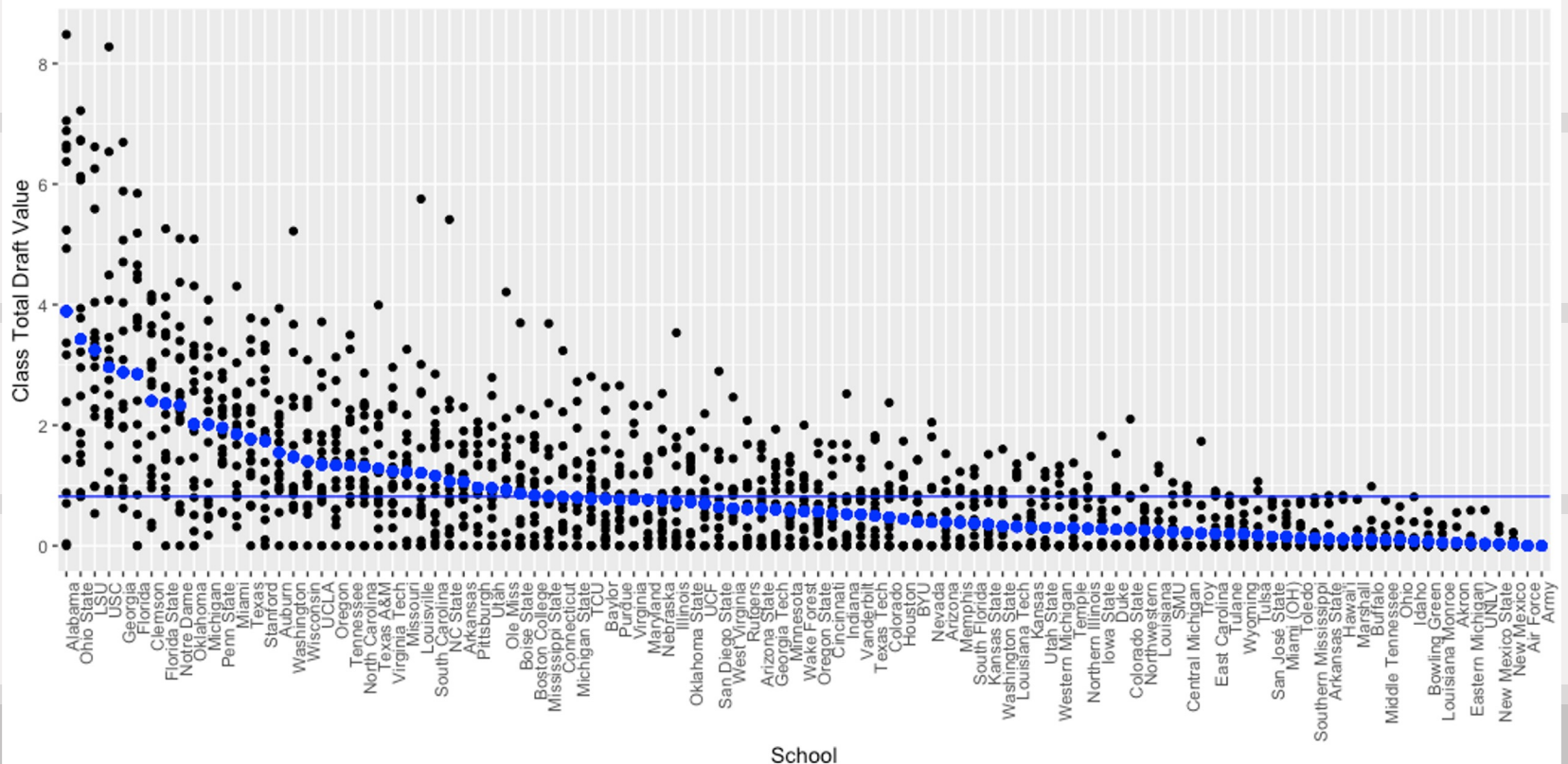
Coefficient Of Variation:

- Equivalent to standard deviation/mean; it reflects the variation in a population while also taking into account its mean - and it is unitless






SCHOOLS' RECRUITING CLASS RATINGS







RECRUITING CLASSES' TOTAL DRAFT VALUES

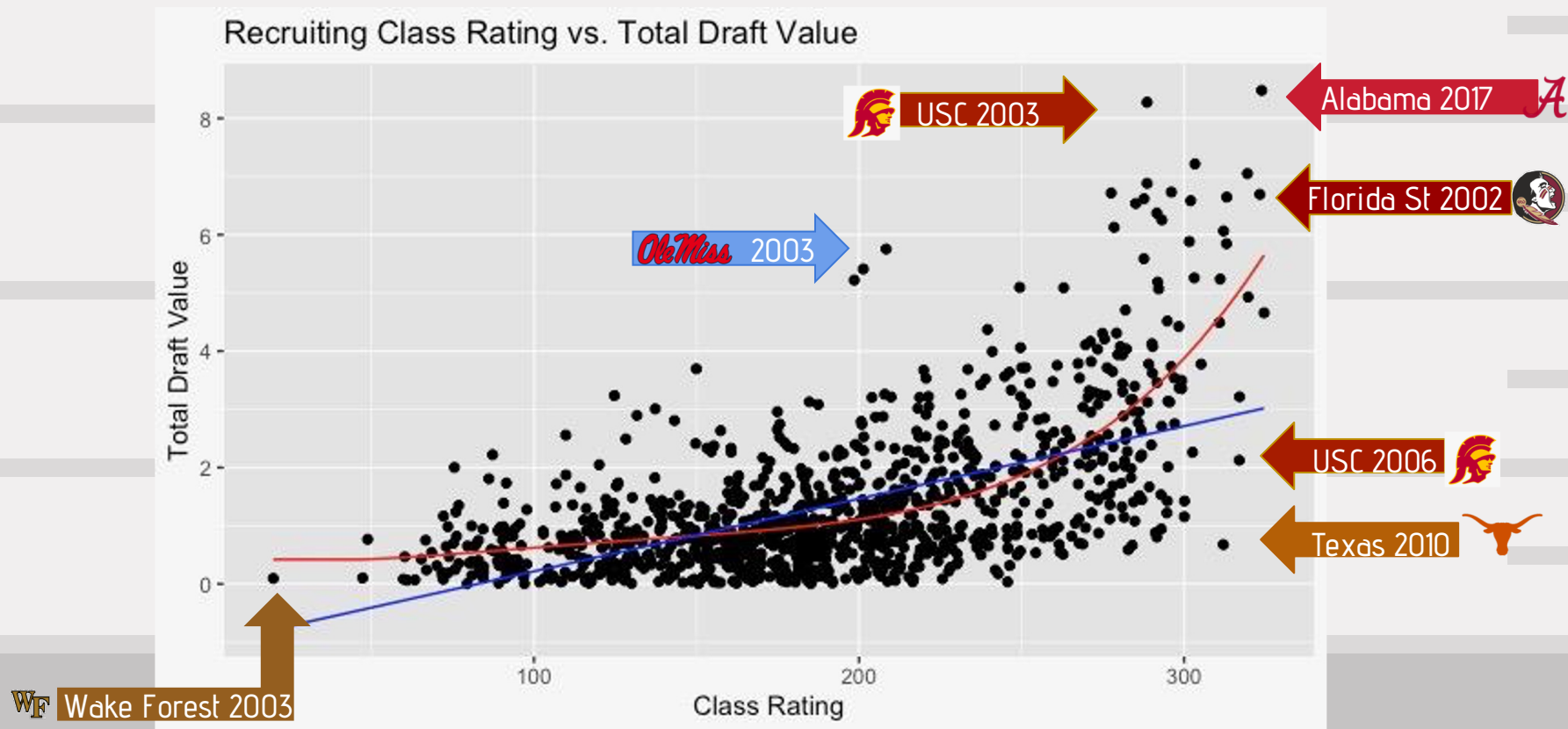


DRAFT VALUE

TEAM		BEST AVERAGE DRAFT VALUE
Alabama		3.890
Ohio State		3.427
LSU		3.246
USC		2.962
Georgia		2.877






TEAM		WORST AVERAGE DRAFT VALUE
Air Force		0.000
Army		0.000
New Mexico		0.019
NM State		0.032
UNLV		0.034

RATING VS. DRAFT VALUE REGRESSION

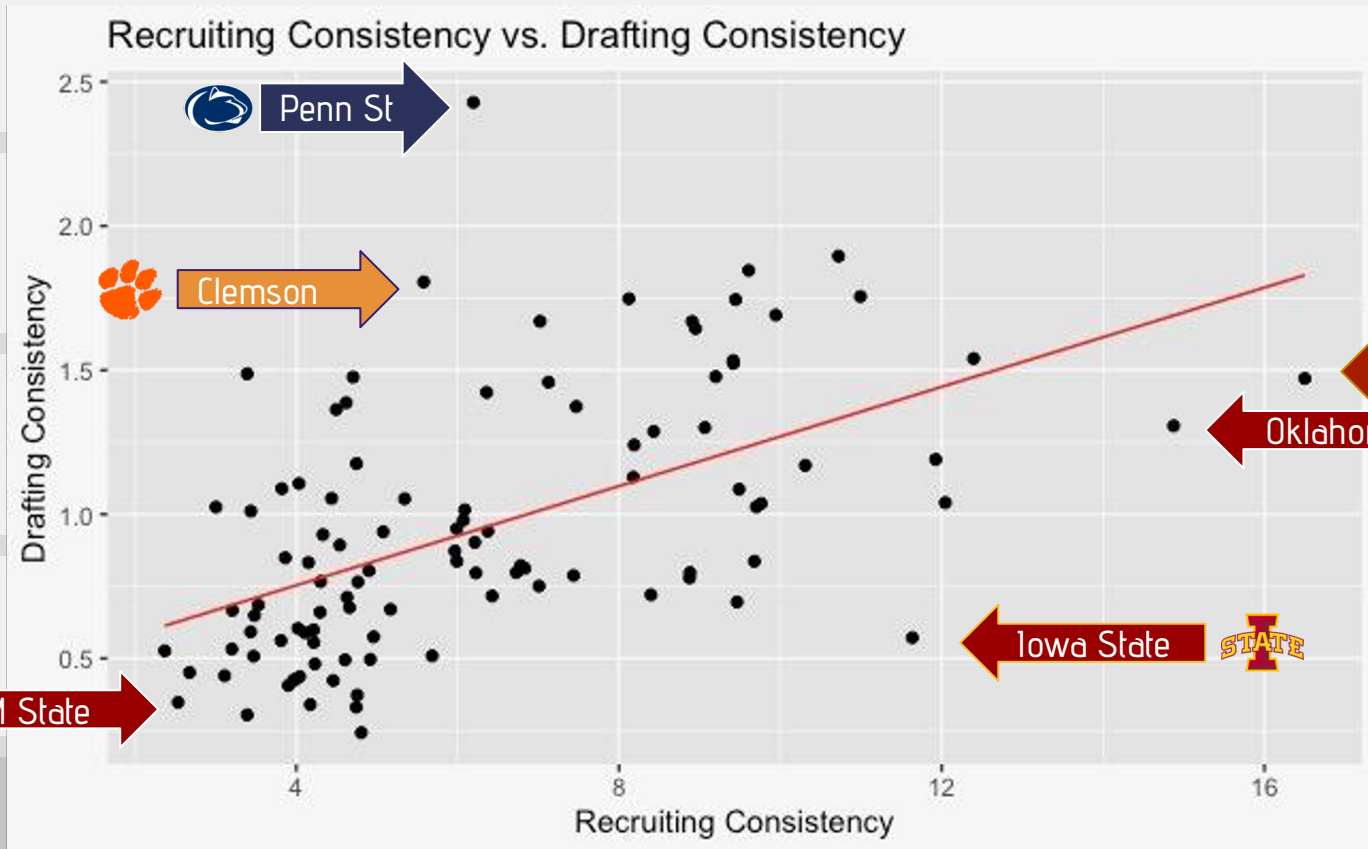


RECRUITING VS. DRAFTED SUMMARY

TEAM	BEST AVERAGE RESIDUAL (Z)
Ohio State 	0.875
Alabama 	0.846
Clemson 	0.677
LSU 	0.586
Louisville 	0.568

TEAM	WORST AVERAGE RESIDUAL (Z)
Texas 	-0.912
Nebraska 	-0.480
Kansas St. 	-0.469
FSU 	-0.403
New Mexico 	-0.400

CONSISTENCY



RECRUITING CONSISTENCY






TEAM	RECRUITING CONSISTENCY
USC 	16.49
Oklahoma 	14.87
Georgia 	12.39
OSU 	12.04
Maryland 	11.92

TEAM	RECRUITING CONSISTENCY
Air Force 	16.10
Army 	2.010
San José 	2.369
NM State 	2.535
Troy 	2.677

CONSISTENCY SUMMARY TABLES

TEAM	RECRUITING CONSISTENCY
USC 	16.49
Oklahoma 	14.87
Georgia 	12.39
OSU 	12.04
Maryland 	11.92

TEAM	DRAFTED CONSISTENCY
Penn State 	2.428
LSU 	1.895
Miami 	1.845
Clemson 	1.805
Arkansas 	1.755

TEAM	BEST RESIDUAL (Z)
Penn State 	3.979
Clemson 	2.454
Ohio State 	2.105
Stanford 	1.771
Notre Dame 	1.755

FINAL STANDINGS

TEAM	COMBINED RATING
Ohio State 	89.96
Alabama 	85.91
Penn State 	85.23
Clemson 	84.43
LSU 	75.99

Combined Rating =

$$[(\text{Normalized Average Residual For Recruiting Rating vs. Total Draft Value}) * 2 + (\text{Normalized Residual For Consistency Regression}) * 1] / 3 * 100$$

POSSIBLE LIMITATIONS

01 NO TRANSFER PORTAL

We excluded players who were drafted from a different team than they committed to

02 NO JUCO

We only analyzed recruits who were coming straight out of high school

03 NO COACHING CHANGES

Our project was conducted based on institutional-level data and as such we could not account for coaching staff changes.

04 NO VIOLATIONS

NCAA Recruiting/Academic Violations were not accounted for.

**THANK
YOU!**