Selectivity of ACC and Big 10 Universities



The **ACC** and **Big 10** athletic conferences encompass a variety of universities, from large public institutions to prestigious private schools. Each university has its own degree of selectivity – how difficult it is for the average applicant to gain admission.

An index that combines each school's admission rate and average SAT score sheds light on the true selectivity of these universities.

```
college_data <- college_data %>%
  mutate(selec_index = 1*sat_avg_stnd - 1*adm_rate_stnd)

college_data <- college_data %>% group_by(year)

%>% mutate(selec rank = dense rank(desc(selec index)))
```

Here are the top 10 most selective ACC and Big 10 schools in 2020 using this index!

-				
instnm	sat_avg	adm_rate	<pre>selec_index[,1]</pre>	selec_rank
<chr></chr>	<dbl></dbl>	<dbl></dbl>	<dbl></dbl>	<int></int>
Duke University	1530	0.0774	3.75	1
Northwestern University	1505	0.0931	3.41	2
University of Notre Dame	1489	0.190	2.83	3
Georgia Institute of Techn	1465	0.213	2.46	4
University of Michigan-Ann	1445	0.261	2.04	5
University of Virginia-Mai	1426	0.226	1.98	6
Boston College	1433	0.264	1.90	7
University of North Caroli	1393	0.25	1.52	8
University of Miami	1354	0.331	0.748	9
University of Maryland-Col	1391	0.510	0.401	10

Some ACC and Big 10 universities are among the **hardest schools in the country** to get into, while others accept the majority of their applicants.

Selectivity of ACC and Big 10 Universities in 2019 According to Based on Admission Rate and Average SAT Score our ranking, Duke was the Duke University -Northwestern University most selective University of Notre Dame -ACC or Big 10 University of Michigan-Ann Arbor -University of Virginia-Main Campus school in 2019, Georgia Institute of Technology-Main Campus with an average Boston College -University of North Carolina at Chapel Hill -SAT score of University of Miami -1530 and an University of Maryland-College Park selec index admission rate North Carolina State University at Raleigh -Ohio State University-Main Campus of about 8%. University University of Wisconsin-Madison -2 University of Pittsburgh-Pittsburgh Campus -Florida State University -0 Clemson University -Syracuse University -University of Minnesota-Twin Cities --2 University of Illinois Urbana-Champaign -Purdue University-Main Campus -Rutgers University-New Brunswick -Virginia Polytechnic Institute and State University -Meanwhile, Penn State was Indiana University-Bloomington the least selective, with an University of Louisville -Michigan State University average SAT of 1201 and a University of Nebraska-Lincoln -

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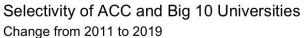
Selectivity Index

University of Iowa -

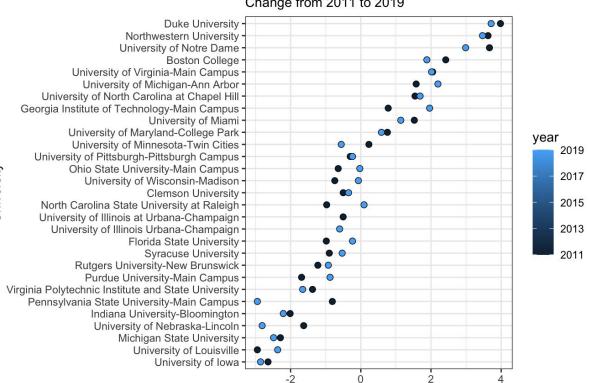
Pennsylvania State University-Main Campus -

76% admission rate.

How have the schools' selectivities changed over time?



Selectivity Index



We can compare each school's selectivity index value in 2011 to 2019 and see that many schools have **gotten more selective**, while others became **less selective** or stayed **about the same**.

For example, **Georgia Tech** and **NC State** got notably more selective, while **Penn State** got much less selective and **Pitt** stayed almost exactly the same.

University