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# **collegebaseball**

*Release 1.3.0*

**Nathan Blumenfeld**

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**collegebaseball** is an open-source college baseball analysis package for Python. It includes functionality for data acquisition and calculation of advanced metrics, including an intuitive API for *stats.ncaa.org*

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**Note:** This project is under active development.

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## INSTALLATION

To use collegebaseball, first install it using pip:

```
(.venv) $ pip install git+https://github.com/nathanblumenfeld/collegebaseball
```





## SEASON STATS

### 2.1 Player-level Season Stats

`ncaa_scraper.ncaa_team_stats`(*school, season, variant, include\_advanced=True, split=None*)

Obtains player-level single-season aggregate stats for all players from a given school, from stats.ncaa.org

**School**

ncaa\_name (str) or school\_id (int)

**Season**

season (int, YYYY) or NCAA season\_id (int), valid 2013-2022

**Variant (str)**

'batting', 'pitching', or 'fielding'

**Include\_advanced (bool, optional)**

whether to automatically calculate advanced metrics, Defaults to True

**Split (str, optional)**

'vs\_LH', 'vs\_RH', 'runners\_on', 'bases\_empty', 'bases\_loaded', 'with\_RISP', 'two\_outs'

**Return (pd.DataFrame)**

`ncaa_scraper.ncaa_career_stats`(*school, season, variant, include\_advanced=True*)

Obtains season-aggregate stats for all seasons in a given player's collegiate career, from stats.ncaa.org

**School**

ncaa\_name (str) or school\_id (int)

**Season**

season (int, YYYY) or NCAA season\_id (int), valid 2013-2022

**Variant (str)**

'batting', 'pitching', or 'fielding'

**Include\_advanced (bool, optional)**

whether to automatically calculate advanced metrics, Defaults to True

**Return (pd.DataFrame)**

## 2.2 Team-level Season Stats

`ncaa_scraper.ncaa_team_totals`(*school, season, variant, include\_advanced=True, split=None*)

Obtains team-level aggregate single-season stats for a given team, from stats.ncaa.org

**School**

ncaa\_name (str) or school\_id (int)

**Season**

season (int, YYYY) or NCAA season\_id (int), valid 2013-2022

**Variant (str)**

'batting', 'pitching', or 'fielding'

**Include\_advanced (bool, optional)**

whether to automatically calculate advanced metrics, Defaults to True

**Split (str, optional)**

'vs\_LH', 'vs\_RH', 'runners\_on', 'bases\_empty', 'bases\_loaded', 'with\_RISP', 'two\_outs'

**Return (pd.DataFrame)**

## GAME-BY-GAME STATS

### 3.1 Player-level Game Logs

`ncaa_scraper.ncaa_player_game_logs(player, season, variant, school=None, include_advanced=True)`:

Obtains player-level game-by-game stats for a given player in a given season, from stats.ncaa.org

**Player**

ncaa\_name (str) or stats\_player\_seq (int)

**Season**

season (int, YYYY) or NCAA season\_id (int), valid 2013-2022

**Variant (str)**

'batting', 'pitching', or 'fielding'

**School (bool, optional)**

if a player name is not given to player argument, the name of player's most recent school

**Include\_advanced (bool, optional)**

whether to automatically calculate advanced metrics, Defaults to True

**Return (pd.DataFrame)**

### 3.2 Team-level Game Logs

`ncaa_scraper.ncaa_team_game_logs(school, season, variant, include_advanced=True)`:

Obtains team-level game-by-game stats for a given team in a given season, from stats.ncaa.org

**School**

school name (str) or NCAA school\_id (int)

**Season**

season as (int, YYYY) or NCAA season\_id (list), 2013-2022

**Variant (str)**

'batting', 'pitching', or 'fielding'

**Include\_advanced (bool, optional)**

whether to automatically calculate advanced metrics, Defaults to True

**Return (pd.DataFrame)**



## GAME RESULTS

### 4.1 Team Results

**ncaa\_scraper.ncaa\_team\_results(school, season):**

Obtains the results of games for a given school in a given season, from stats.ncaa.org

**School**

school name (str) or NCAA school\_id (int)

**Season**

season (int, YYYY) or NCAA season\_id (int), valid 2013-2022

**Return (pd.DataFrame)**

**boydsworld\_scraper.boydsworld\_team\_results(school, start, end=None, vs="all", parse\_dates=True):**

A function to scrape Division I game results, from boydsworld.com

**School (str)**

team whose games to select

**Start (int)**

the start year of games, 1992 <= x <= 2022

**End (int, optional)**

the end season of games, 1992 <= x <= 2022

**Vs (str, optional)**

school to filter games against. default: 'all'

**Parse\_dates (bool, optional)**

whether to parse data into datetime64

**Return (pd.DataFrame)**

of all games played for a given team inclusive of start & end

**win\_pct.calculate\_actual\_win\_pct(games):**

A function to calculate the winning percentage as # games won / # games played

**Games (pd.DataFrame)**

from boydsworld\_team\_results()

**Return (tuple)**

of actual winning percentage (float), wins (int), ties (int), losses (int)

**win\_pct.calculate\_pythagpat\_win\_pct(games):**

A function to calculate the the PythagPat expected winning percentage. Pythagpat Expectation formula (developed by David Smyth and Patriot):

$W\% = R^x / (R^x + RA^x)$  where  $x = (RPG)^{.287}$  Developed by David Smyth and Patriot

**Games (pd.DataFrame)**

from boydsworld\_team\_results()

**Return (tuple)**

of expected winning percentage as a float, total run differential as int

## 5.1 batting

**calculate\_wrc\_manual(plate\_appearances, woba, season):**

Calculate wRC with manually inputted data

**Plate\_appearances (int)**  
**Woba (float)**  
**Season (int)**  
**Return (float)**

**calculate\_wraa\_manual(plate\_appearances, woba, season):**

Calculate wRAA with manually inputted data

**Plate\_appearances (int)**  
**Woba (float)**  
**Season (int)**  
**Return (float)**

**calculate\_woba\_manual(plate\_appearances, walks, hits\_by\_pitch, singles, doubles, triples, homeruns, season):**

Calculate wOBA with manually inputted data

**Plate\_appearances (int)**  
**Walks (float)**  
**Hits\_by\_pitch (int)**  
**Singles (int)**  
**Doubles (int)**  
**Triples (int)**  
**Homeruns (int)**  
**Season (int)**  
**Return (float)**

**add\_batting\_metrics(df):**

Adds all available additional batting metrics

**Return (pd.DataFrame)**

## 5.2 pitching

**calculate\_fip\_manual(homeruns, walks, hit\_batters, strikeouts, innings\_pitched, season):**

Calculate wOBA with manually inputted data

**Homeruns (int)**

**Walks (int)**

**Hit\_batters (int)**

**Strikeouts (int)**

**Innings\_pitched (int)**

**Season (int)**

**Returns (float)**

**add\_pitching\_metrics(df):**

Adds all available additional pitching metrics

**Df (pd.DataFrame)**

**Return (pd.DataFrame)**



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## LOOKUP FUNCTIONS

### 6.1 Player

**lookup.lookup\_player(player\_name, school):**

A function to find a player's id from their name and school

**Player\_name (str)**

name of player to lookup

**School**

the name of the player's school (str) or school\_id (int)

**Returns (int)**

player\_id

**Examples**

lookup\_player("Jake Gelof", "Virginia") >>> 2486499

**lookup.lookup\_player\_reverse(player\_id):**

A function to find a player's name and school from their player\_id

**Player\_id (str)**

name of player to lookup

**Season (int)**

YYYY

**Returns (tuple)**

of player\_name (str), school\_name (str), school\_id (int)

**lookup\_seasons\_played(stats\_player\_seq):**

A function to find the final and debut seasons of a given player

**Stats\_player\_seq (int)**

NCAA player\_id

**Returns (tuple(int))**

of debut season, most recent season

## 6.2 School

### **lookup.lookup\_school(school\_name):**

A function to find a school's id from it's name

**School (str)**

the name of the school

**Returns (int)**

school\_id

**Examples**

```
lookup_school("cornell") >>> 167
```

### **lookup.lookup\_school\_reverse(school\_id):**

A function to find a school's name from a school\_id

**School\_id (int)**

**Returns (str)**

the name of the school

**Examples**

```
lookup_school_reverse(167) >>> "Cornell"
```

## 6.3 Season

### **lookup\_season\_id(season):**

A function that finds the year\_stat\_category\_ids for a given season

**Season (int)**

YYYY

**Returns (int)**

season\_id

### **lookup.lookup\_season\_ids(season):**

A function that finds the year\_stat\_category\_ids of a given season

**Season (int)**

YYYY

**Returns**

tuple of season\_id, batting\_id, pitching\_id

### **lookup\_season\_reverse(season\_id):**

A function that finds the year\_stat\_category\_ids and season of a season\_id

**Season\_id (int)**

NCAA season\_id

**Returns (tuple)**

of season\_id, batting\_id, pitching\_id

## SCHOOL NAMES AND IDS

ncaa_name	bd_name	school_id	division
Abilene Christian	Abilene Christian	2	1
Air Force	Air Force	721	1
Akron	Akron	5	1
Alabama	Alabama	8	1
Alabama A&M	Alabama A&M	6	1
Alabama St.	Alabama State	7	1
UAB	Alabama-Birmingham	9	1
Albany (NY)	Albany	14	1
Alcorn	Alcorn State	17	1
Appalachian St.	Appalachian State	27	1
Arizona	Arizona	29	1
Arizona St.	Arizona State	28	1
Arkansas	Arkansas	31	1
Arkansas St.	Arkansas State	30	1
Little Rock	Arkansas-Little Rock	32	1
Ark.-Pine Bluff	Arkansas-Pine Bluff	2678	1
Army West Point	Army	725	1
Auburn	Auburn	37	1
Austin Peay	Austin Peay State	43	1
Ball St.	Ball State	47	1
Baylor	Baylor	51	1
Belmont	Belmont	14927	1
Bethune-Cookman	Bethune-Cookman	61	1
Binghamton	Binghamton	62	1
Boise St.	Boise State	66	1
Boston College	Boston College	67	1
Bowling Green	Bowling Green State	71	1
Bradley	Bradley	72	1
BYU	Brigham Young	77	1
Brown	Brown	80	1
Bryant	Bryant	81	1
Bucknell	Bucknell	83	1
Buffalo	Buffalo	86	1
Butler	Butler	87	1
CSU Bakersfield	CSU Bakersfield	94	1
Cal Poly	Cal Poly	90	1
Cal St. Fullerton	Cal State Fullerton	97	1

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ncaa_name	bd_name	school_id	division
CSUN	Cal State Northridge	101	1
California	California	107	1
California Baptist	California Baptist	30135	1
Campbell	Campbell	115	1
Canisius	Canisius	116	1
Central Ark.	Central Arkansas	1004	1
Central Conn. St.	Central Connecticut State	127	1
UCF	Central Florida	128	1
Central Mich.	Central Michigan	129	1
Charleston So.	Charleston Southern	48	1
Chicago St.	Chicago State	136	1
Cincinnati	Cincinnati	140	1
Clemson	Clemson	147	1
Coastal Carolina	Coastal Carolina	149	1
Col. of Charleston	College of Charleston	1014	1
Columbia	Columbia	158	1
UConn	Connecticut	164	1
Coppin St.	Coppin State	165	1
Cornell	Cornell	167	1
Creighton	Creighton	169	1
DBU	Dallas Baptist	1045	1
Dartmouth	Dartmouth	172	1
Davidson	Davidson	173	1
Dayton	Dayton	175	1
Delaware	Delaware	180	1
Delaware St.	Delaware State	178	1
Dixie St.	Dixie State	30095	1
Duke	Duke	193	1
East Carolina	East Carolina	196	1
ETSU	East Tennessee	198	1
Eastern Ill.	Eastern Illinois	201	1
Eastern Ky.	Eastern Kentucky	202	1
Eastern Mich.	Eastern Michigan	204	1
Elon	Elon	1068	1
Evansville	Evansville	219	1
Fairfield	Fairfield	220	1
Fairleigh Dickinson	Fairleigh Dickinson	222	1
Florida	Florida	235	1
Florida A&M	Florida A&M	228	1
Fla. Atlantic	Florida Atlantic	229	1
FGCU	Florida Gulf Coast	28755	1
FIU	Florida International	231	1
Florida St.	Florida State	234	1
Fordham	Fordham	236	1
Fresno St.	Fresno State	96	1
Furman	Furman	244	1
Gardner-Webb	Gardner-Webb	1092	1
George Mason	George Mason	248	1
George Washington	George Washington	249	1

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ncaa_name	bd_name	school_id	division
Georgetown	Georgetown	251	1
Georgia	Georgia	257	1
Ga. Southern	Georgia Southern	253	1
Georgia St.	Georgia State	254	1
Georgia Tech	Georgia Tech	255	1
Gonzaga	Gonzaga	260	1
Grambling	Grambling State	261	1
Grand Canyon	Grand Canyon	1104	1
Hartford	Hartford	272	1
Harvard	Harvard	275	1
Hawaii	Hawaii	277	1
High Point	High Point	19651	1
Hofstra	Hofstra	283	1
Holy Cross	Holy Cross	285	1
Houston	Houston	288	1
Houston Baptist	Houston Baptist	287	1
Illinois	Illinois	301	1
Illinois St.	Illinois State	299	1
UIC	Illinois-Chicago	302	1
UIW	Incarnate World	2743	1
Indiana	Indiana	306	1
Indiana St.	Indiana State	305	1
Iona	Iona	310	1
Iowa	Iowa	312	1
Jackson St.	Jackson State	314	1
Jacksonville	Jacksonville	316	1
Jacksonville St.	Jacksonville State	315	1
James Madison	James Madison	317	1
Kansas	Kansas	328	1
Kansas St.	Kansas State	327	1
Kennesaw St.	Kennesaw State	1157	1
Kent St.	Kent State	331	1
Kentucky	Kentucky	334	1
La Salle	LaSalle	340	1
Lafayette	Lafayette	342	1
Lamar University	Lamar	346	1
Lehigh	Lehigh	352	1
Liberty	Liberty	355	1
Lipscomb	Lipscomb	28600	1
Long Beach St.	Long Beach State	99	1
LIU	Long Island	361	1
Longwood	Longwood	363	1
LSU	Louisiana State	365	1
Louisiana Tech	Louisiana Tech	366	1
La.-Monroe	Louisiana-Monroe	498	1
Louisville	Louisville	367	1
LMU (CA)	Loyola Marymount	370	1
Maine	Maine	380	1
Manhattan	Manhattan	381	1

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ncaa_name	bd_name	school_id	division
Marist	Marist	386	1
Marshall	Marshall	388	1
Maryland	Maryland	392	1
UMBC	Maryland-Baltimore County	391	1
UMES	Maryland-Eastern Shore	393	1
Massachusetts	Massachusetts	400	1
UMass Lowell	Massachusetts-Lowell	368	1
McNeese	McNeese State	402	1
Memphis	Memphis	404	1
Mercer	Mercer	406	1
Miami (FL)	“Miami, Florida”	415	1
Miami (OH)	“Miami, Ohio”	414	1
Michigan	Michigan	418	1
Michigan St.	Michigan State	416	1
Middle Tenn.	Middle Tennessee	419	1
Minnesota	Minnesota	428	1
Ole Miss	Mississippi	433	1
Mississippi St.	Mississippi State	430	1
Mississippi Val.	Mississippi Valley State	432	1
Missouri	Missouri	434	1
Missouri St.	Missouri State	669	1
Monmouth	Monmouth	439	1
Morehead St.	Morehead State	444	1
Mount St. Mary’s	Mount St. Mary’s	450	1
Murray St.	Murray State	454	1
Navy	Navy	726	1
Nebraska	Nebraska	463	1
Omaha	Nebraska-Omaha	464	1
Nevada	Nevada	466	1
UNLV	Nevada-Las Vegas	465	1
NJIT	New Jersey Tech	471	1
New Mexico	New Mexico	473	1
New Mexico St.	New Mexico State	472	1
New Orleans	New Orleans	474	1
New York Tech	New York Tech	477	1
Niagara	Niagara	482	1
Nicholls St.	Nicholls State	483	1
Norfolk St.	Norfolk State	485	1
North Ala.	North Alabama	487	1
North Carolina	North Carolina	457	1
N.C. A&T	North Carolina A&T	488	1
N.C. Central	North Carolina Central	489	1
NC State	North Carolina State	490	1
UNC Asheville	North Carolina-Asheville	456	1
Charlotte	North Carolina-Charlotte	458	1
UNC Greensboro	North Carolina-Greensboro	459	1
UNCW	North Carolina-Wilmington	460	1
North Dakota	North Dakota	494	1
North Dakota St.	North Dakota State	493	1

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ncaa_name	bd_name	school_id	division
North Florida	North Florida	2711	1
Northeastern	Northeastern	500	1
Northern Colo.	Northern Colorado	502	1
Northern Ill.	Northern Illinois	503	1
Northern Ky.	Northern Kentucky	505	1
Northwestern	Northwestern	509	1
Northwestern St.	Northwestern State	508	1
Notre Dame	Notre Dame	513	1
Oakland	Oakland	514	1
Ohio	Ohio	519	1
Ohio St.	Ohio State	518	1
Oklahoma	Oklahoma	522	1
Oklahoma St.	Oklahoma State	521	1
Old Dominion	Old Dominion	523	1
Oral Roberts	Oral Roberts	527	1
Oregon	Oregon	529	1
Oregon St.	Oregon State	528	1
Pacific	Pacific	534	1
Penn St.	Penn State	539	1
Penn	Pennsylvania	540	1
Pepperdine	Pepperdine	541	1
Pittsburgh	Pittsburgh	545	1
Portland	Portland	551	1
Prairie View	Prairie View A&M	553	1
Presbyterian	Presbyterian	1320	1
Princeton	Princeton	554	1
Purdue	Purdue	559	1
Quinnipiac	Quinnipiac	562	1
Radford	Radford	563	1
Rhode Island	Rhode Island	572	1
Rice	Rice	574	1
Richmond	Richmond	575	1
Rider	Rider	576	1
Rutgers	Rutgers	587	1
Sacramento St.	Sacramento State	102	1
Sacred Heart	Sacred Heart	590	1
Sam Houston St.	Sam Houston State	624	1
Samford	Samford	625	1
San Diego	San Diego	627	1
San Diego St.	San Diego State	626	1
San Francisco	San Francisco	629	1
San Jose St.	San Jose State	630	1
Santa Clara	Santa Clara	631	1
Savannah St.	Savannah State	632	1
Seattle U	Seattle	1356	1
Seton Hall	Seton Hall	635	1
Siena	Siena	639	1
South Alabama	South Alabama	646	1
South Carolina	South Carolina	648	1

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ncaa_name	bd_name	school_id	division
USC Upstate	South Carolina-Upstate	10411	1
South Dakota St.	South Dakota State	649	1
South Fla.	South Florida	651	1
Southeast Mo. St.	Southeast Missouri State	654	1
Southeastern La.	Southeastern Louisiana	655	1
Southern U.	Southern	665	1
Southern California	Southern California	657	1
Southern Ill.	Southern Illinois	659	1
SIUE	Southern Illinois-Edwardsville	660	1
Southern Miss.	Southern Mississippi	664	1
Saint Mary's (CA)	St Mary's	610	1
St. Bonaventure	St. Bonaventure	596	1
St. John's (NY)	St. John's	603	1
Saint Joseph's	St. Joseph's	606	1
Saint Louis	St. Louis	609	1
Saint Peter's	St. Peter's	617	1
Stanford	Stanford	674	1
SFA	Stephen F. Austin State	676	1
Stetson	Stetson	678	1
Stony Brook	Stony Brook	683	1
Tarleton St.	Tarleton State	1395	1
Temple	Temple	690	1
Tennessee	Tennessee	694	1
Tennessee Tech	Tennessee Tech	692	1
UT Martin	Tennessee-Martin	695	1
Texas	Texas	703	1
Texas A&M	Texas A&M	697	1
A&M-Corpus Christi	Texas A&M-Corpus Christi	26172	1
TCU	Texas Christian	698	1
Texas Southern	Texas Southern	699	1
Texas St.	Texas State	670	1
Texas Tech	Texas Tech	700	1
UT Arlington	Texas-Arlington	702	1
UTRGV	Texas-Rio Grande Valley	536	1
UTSA	Texas-San Antonio	706	1
The Citadel	The Citadel	141	1
Toledo	Toledo	709	1
Towson	Towson	711	1
Troy	Troy	716	1
Tulane	Tulane	718	1
UC Davis	UC Davis	108	1
UC Irvine	UC Irvine	109	1
UC Riverside	UC Riverside	111	1
UC Santa Barbara	UC Santa Barbara	104	1
UCLA	UCLA	110	1
Utah	Utah	732	1
Utah Valley	Utah Valley	30024	1
VMI	VMI	741	1
Valparaiso	Valparaiso	735	1

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ncaa_name	bd_name	school_id	division
Vanderbilt	Vanderbilt	736	1
Villanova	Villanova	739	1
Virginia	Virginia	746	1
VCU	Virginia Commonwealth	740	1
Virginia Tech	Virginia Tech	742	1
Wagner	Wagner	748	1
Wake Forest	Wake Forest	749	1
Washington	Washington	756	1
Washington St.	Washington State	754	1
West Virginia	West Virginia	768	1
Western Caro.	Western Carolina	769	1
Western Ill.	Western Illinois	771	1
Western Ky.	Western Kentucky	772	1
Western Mich.	Western Michigan	774	1
Wichita St.	Wichita State	782	1
William & Mary	William and Mary	786	1
Winthrop	Winthrop	792	1
Milwaukee	Wisconsin-Milwaukee	797	1
Wofford	Wofford	2915	1
Wright St.	Wright State	810	1
Xavier	Xavier	812	1
Yale	Yale	813	1
Youngstown St.	Youngstown State	817	1
Bellarmino		52	1
UC San Diego		112	1
Purdue Fort Wayne		308	1
Merrimack		410	1
Louisiana		671	1
Colorado Mesa		11416	2
Spring Hill		30191	2
Central Mo.		130	2
Angelo St.		25	2
Francis Marion		1085	2
Albany St. (SIAC)		13	2
Drury		1057	2
Chico St.		95	2
Concord		1028	2
Savannah St.		632	2
Ill. Springfield		30050	2
MSU Denver		413	2
William Jewell		30120	2
Newberry		1257	2
West Tex. A&M		767	2
Lubbock Christian		30177	2
North Greenville		9223	2
Augustana (NSIC)		41	2
Northeastern St.		12810	2
Charleston (MEC)		1013	2
Minnesota St.		383	2

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ncaa_name	bd_name	school_id	division
Slippery Rock		643	2
Molloy		437	2
CSU Pueblo		2720	2
Millersville		423	2
Regis (RMAC)		568	2
Okla. Baptist		30202	2
Pittsburg St.		1314	2
Colo. Christian		11403	2
Adelphi		3	2
Columbus St.		159	2
UC-Colo. Springs		9754	2
Ashland		35	2
Lenoir-Rhyne		1170	2
Miles		422	2
Trevecca Nazarene		30002	2
Colo. Sch. of Mines		155	2
Quincy		561	2
Young Harris		30154	2
UNC Pembroke		537	2
Alabama Huntsville		10	2
Southern Ark.		1376	2
Montevallo		1238	2
Wingate		1462	2
Maryville (GLVC)		395	2
N.M. Highlands		8577	2
Point Loma		30149	2
St. Edward's		1334	2
Mo. Southern St.		9012	2
Tex. A&M-Kingsville		696	2
Florida Tech		230	2
Georgia College		1096	2
Southern N.H.		468	2
Cal Poly Pomona		91	2
Queens (SAC)		11504	2
Barton		15646	2
Erskine		1072	2
Chestnut Hill		21323	2
Indiana (PSAC)		307	2
Pace		533	2
Tiffin		1403	2
St. Cloud St.		598	2
Tampa		689	2
Rockhurst		1328	2
Northwestern Okla.		30178	2
Nova Southeastern		24639	2
Delta St.		181	2
Jefferson		543	2
Saint Leo		608	2
Davenport		30221	2

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ncaa_name	bd_name	school_id	division
Washburn		2814	2
Notre Dame (MEC)		30126	2
Cedarville		30124	2
Purdue Northwest		30222	2
Southeastern Okla.		1371	2
UT Tyler		30028	2
Saginaw Valley		591	2
Cal U (PSAC)		106	2
Carson-Newman		1000	2
AUM		30093	2
Mount Olive		1245	2
Central Wash.		1010	2
Hillsdale		280	2
Wilmington (CACC)		1460	2
Cal St. Monterey Bay		30055	2
West Ga.		766	2
Northwood		510	2
Missouri S&T		435	2
Franklin Pierce		241	2
McKendree		30138	2
Grand Valley St.		262	2
Glenville St.		1098	2
Cal St. San Marcos		30198	2
Rollins		584	2
Adams St.		929	2
Wayne St. (GLIAC)		757	2
Azusa Pacific		30146	2
East Stroudsburg		197	2
Queens (ECC)		560	2
Belmont Abbey		2683	2
Wheeling		12799	2
West Virginia St.		1439	2
Tex. A&M Int'l		30090	2
Lee		30013	2
Kentucky St.		332	2
Arkansas Tech		947	2
Minot St.		30125	2
Southern Nazarene		30152	2
Southwest Minn. St.		8736	2
Cal St. San B'dino		93	2
Union (Gulf South)		30153	2
Anderson (SAC)		13028	2
Southwestern Okla.		8744	2
Seton Hill		30063	2
Cal State LA		100	2
St. Mary's (Lone Star)		1346	2
Fresno Pacific		30147	2
Cal St. Dom. Hills		92	2
Lewis		354	2

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ncaa_name	bd_name	school_id	division
Henderson St.		1123	2
Bloomsburg		65	2
West Chester		765	2
West Ala.		358	2
Bloomfield		984	2
Ouachita Baptist		1289	2
Shorter		30151	2
Minn. Duluth		427	2
King (Conference Carolinas)		30051	2
Central Okla.		1009	2
Hawaii Pacific		2696	2
Le Moyne		349	2
Mercyhurst		408	2
Newman		30054	2
Southern Conn. St.		658	2
St. Thomas Aquinas		1348	2
Walsh		30141	2
Rogers St.		30180	2
Augusta		39	2
Goldey-Beacom		8366	2
Benedict		55	2
Hawaii Hilo		2697	2
Lynn		20794	2
Lock Haven		360	2
UIndy		309	2
Eckerd		208	2
Valdosta St.		734	2
Lincoln Memorial		1176	2
Mansfield		384	2
Salem (DII Independent)		19117	2
Sioux Falls		30128	2
Saint Rose		1347	2
Shippensburg		638	2
Lane		347	2
Malone		30137	2
Barry		49	2
Post		1318	2
Caldwell		995	2
New Haven		470	2
American Int'l		22	2
Emory & Henry		216	2
Flagler		30092	2
Harding		1116	2
Tex. Permian Basin		30088	2
Lander		1167	2
Bluefield St.		985	2
Ark.-Monticello		8411	2
Fairmont St.		1076	2
Mercy		407	2

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ncaa_name	bd_name	school_id	division
Claffin		30058	2
North Georgia		30052	2
Stonehill		682	2
Fla. Southern		233	2
Eastern N.M.		206	2
Morehouse		445	2
Cal St. East Bay		98	2
Northwest Nazarene		1274	2
Southern Wesleyan		30192	2
Okla. Christian		30179	2
Sonoma St.		645	2
Southern Ind.		661	2
Mont. St. Billings		205	2
Ky. Wesleyan		333	2
Chowan		8875	2
Assumption		36	2
Bentley		56	2
Lindenwood		30136	2
Tusculum		12830	2
Mo.-St. Louis		436	2
Cameron		996	2
St. Anselm		593	2
Ark.-Fort Smith		30105	2
Ga. Southwestern		1097	2
Gannon		246	2
West Florida		11740	2
Christian Brothers		1015	2
Wayne St. (NSIC)		1433	2
Mars Hill		1199	2
Dominican (CACC)		8956	2
UVA Wise		30181	2
Felician		23157	2
USciences		28594	2
Mary		30075	2
Southwest Baptist		2755	2
Emporia St.		1071	2
Truman St.		499	2
CUI		30199	2
Biola		30220	2
Holy Names		30175	2
Pitt.-Johnstown		546	2
Northwest Mo. St.		507	2
Missouri Western		9013	2
Ohio Dominican		30119	2
Shepherd		10870	2
Embry-Riddle (Sunshine State)		9680	2
East Central		8965	2
Catawba		1001	2
USC Aiken		11276	2

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ncaa_name	bd_name	school_id	division
West Va. Wesleyan		9630	2
Upper Iowa		728	2
Mississippi Col.		429	2
Saint Martin's		1343	2
Findlay		1079	2
Virginia St.		743	2
San Fran. St.		628	2
Stanislaus St.		103	2
Coker		1023	2
Academy of Art		30123	2
Bridgeport		74	2
Concordia-St. Paul		9081	2
Western Ore.		1446	2
Winona St.		790	2
Emmanuel (Conference Carolinas)		30193	2
Saint Michael's		613	2
LeMoyne-Owen		350	2
Palm Beach Atl.		30045	2
West Liberty		1438	2
Minn.-Crookston		27854	2
Clark Atlanta		144	2
Alderson Broaddus		934	2
Northern St.		1266	2
Bemidji St.		54	2
Limestone		1174	2
Kutztown		339	2
Tuskegee		720	2
Fort Hays St.		9011	2
Lincoln (ECC)		357	2
Lake Erie		2746	2
Clarion		143	2
Nyack		1277	2
Wis.-Parkside		799	2
Davis & Elkins		174	2
Marietta		385	3
St. Joseph's (Skyline)		1340	3
Wilson		12973	3
Baldwin Wallace		46	3
Penn St.-Abington		30114	3
Randolph-Macon		565	3
Montclair St.		442	3
Rhode Island Col.		571	3
Middlebury		420	3
LaGrange		1162	3
Eastern Conn. St.		200	3
Aurora		42	3
Kalamazoo		326	3
Widener		783	3
Gust. Adolphus		266	3

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ncaa_name	bd_name	school_id	division
La Verne		341	3
Bethel (MIAC)		60	3
Anna Maria		26	3
Birmingham-So.		28593	3
Berry		973	3
Crown (UMAC)		30035	3
North Central (CCIW)		492	3
Wilmington (OAC)		1461	3
McDaniel		773	3
Otterbein		531	3
Allegheny		19	3
Wm. Paterson		787	3
Earlham		195	3
Pomona-Pitzer		549	3
Fontbonne		11538	3
Redlands		567	3
Denison		182	3
Chapman		134	3
CMSV		451	3
Webster		759	3
SUNY Cortland		168	3
Texas-Dallas		23121	3
Centenary (SCAC)		125	3
Methodist		412	3
Trinity (SCAC)		715	3
DePauw		177	3
Lawrence		348	3
Rowan		259	3
Huntingdon		1130	3
Ill. Wesleyan		300	3
Tufts		717	3
Adrian		4	3
Roanoke		578	3
Ithaca		313	3
Rhodes		573	3
Shenandoah		637	3
Salve Regina		623	3
Wooster		807	3
Penn St.-Behrend		538	3
William Peace		17094	3
Wash. & Jeff.		751	3
Merchant Marine		724	3
Brandeis		73	3
Rochester (Liberty League)		581	3
Suffolk		684	3
Kean		329	3
Stevens		679	3
Moravian		443	3
Arcadia		966	3

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ncaa_name	bd_name	school_id	division
Wis.-Platteville		800	3
Wis.-Whitewater		805	3
Lebanon Valley		351	3
Plattsburgh St.		547	3
Oswego St.		530	3
Utica		733	3
Keystone		30047	3
Springfield		673	3
Northwestern-St. Paul		30031	3
Scranton		633	3
Buena Vista		84	3
East. Mennonite		203	3
Claremont-M-S		142	3
Maryville (USA South)		396	3
Washington Col.		753	3
Pfeiffer		542	3
Penn St.-Altoona		25719	3
Skidmore		642	3
Wash. & Lee		752	3
Immaculata		303	3
Union (Liberty League)		727	3
DeSales		20	3
SUNY Brockport		78	3
Concordia-M'head		161	3
Old Westbury		524	3
Endicott		8981	3
Grinnell		264	3
Wittenberg		806	3
Lynchburg		374	3
N.C. Wesleyan		491	3
Gettysburg		258	3
Franklin		2694	3
Calvin		114	3
Colby		151	3
Loras		364	3
UChicago		137	3
Wis.-La Crosse		795	3
Spalding		23260	3
Elmhurst		212	3
Franklin & Marshall		239	3
Westfield St.		777	3
Hope		286	3
Wilkes		784	3
Hamilton		267	3
Stockton		681	3
Gwynedd Mercy		12399	3
Swarthmore		686	3
Wabash		747	3
Lehman		279	3

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ncaa_name	bd_name	school_id	division
Sul Ross St.		1390	3
Misericordia		16142	3
Marymount (Atlantic East)		394	3
Mary Hardin-Baylor		1203	3
Grove City		265	3
UMass Boston		401	3
Penn St.-Berks		30044	3
East Tex. Baptist		1062	3
Centenary (Atlantic East)		12884	3
Anderson (HCAC)		939	3
Wis.-Stevens Point		802	3
Thiel		707	3
Vassar		737	3
Westminster (C)		1451	3
Penn St. Harrisburg		30081	3
Rose-Hulman		585	3
New England Col.		467	3
Bridgewater St.		76	3
Schreiner		1355	3
Kenyon		335	3
Ohio Northern		517	3
Salisbury		622	3
Catholic		124	3
John Carroll		320	3
Austin		953	3
Mary Washington		390	3
Wheaton (NEWC)		779	3
St. Mary's (United East)		611	3
McMurry		8530	3
York (MAC Commonwealth)		815	3
Penn College		30190	3
Hardin-Simmons		271	3
New Jersey City		319	3
Roger Williams		583	3
Millsaps		426	3
Guilford		1112	3
Cabrini		88	3
Mass. Maritime		399	3
Carthage		121	3
Eureka		218	3
Mitchell		30042	3
NYU		479	3
Emory		217	3
Manhattanville		382	3
Keuka		1159	3
Johns Hopkins		322	3
Wis.-Oshkosh		798	3
Covenant		30111	3
Delaware Valley		179	3

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ncaa_name	bd_name	school_id	division
Bridgewater (ODAC)		75	3
Texas Lutheran		1400	3
Mt. St. Joseph		8567	3
Rutgers-Newark		589	3
MSOE		20220	3
Wesleyan (NESCAC)		764	3
Ripon		577	3
St. John Fisher		601	3
Farmingdale St.		27892	3
Olivet		525	3
Wheaton (CCIW)		778	3
Wartburg		750	3
Benedictine (NACC)		296	3
Puget Sound		557	3
Brevard		30094	3
Mount Aloysius		30036	3
Pacific Lutheran		1297	3
Lancaster Bible		30085	3
Saint Vincent		30064	3
Gallaudet		245	3
Central (American Rivers)		126	3
Trinity (NESCAC)		713	3
Pacific (NWC)		2751	3
Augustana (CCIW)		40	3
Wis.-Stout		803	3
Ozarks (ASC)		23008	3
Howard Payne		2741	3
Millikin		424	3
Dubuque		192	3
WashU		755	3
Babson		45	3
St. Joseph's (Great Northeast)		605	3
Lewis & Clark		22235	3
Hendrix		1124	3
Rensselaer		570	3
Carleton		118	3
Nichols		484	3
Hanover		1115	3
Elizabethtown		211	3
Haverford		276	3
Concordia Wisconsin		1036	3
Muskingum		455	3
Mount Union		452	3
Western New Eng.		775	3
Luther		372	3
JWU (Great Northeast)		22626	3
Franciscan		30069	3
Clarkson		146	3
Westminster (SLIAC)		1450	3

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ncaa_name	bd_name	school_id	division
Transylvania		28749	3
Husson		1133	3
Dominican (NACC)		1332	3
Va. Wesleyan		745	3
Muhlenberg		453	3
Messiah		411	3
St. Norbert		614	3
King's (MAC Freedom)		336	3
Monmouth (MWC)		438	3
Greensboro		263	3
Pitt.-Greensburg		11839	3
Saint John's (MIAC)		602	3
Macalester		376	3
TCNJ		712	3
Willamette		785	3
Thomas (North Atlantic)		2758	3
Norwich		511	3
Emerson		214	3
North Park		496	3
Southwestern (SCAC)		8746	3
Alvernia		938	3
St. Joseph's (Skyline)		30072	3
Oberlin		515	3
Edgewood		1066	3
Geneva		30084	3
Illinois Col.		297	3
Cal Lutheran		105	3
Wentworth		762	3
Trine		30037	3
Bard		962	3
Oglethorpe		2713	3
Alfred St.		30170	3
Fredonia		242	3
Rockford		582	3
Whitman		780	3
Cobleskill St.		30083	3
Bethany Lutheran		30038	3
SUNY Maritime		478	3
Neb. Wesleyan		462	3
St. Lawrence		607	3
Cairn		1305	3
Chris. Newport		139	3
Lakeland		1164	3
Wis.-Superior		804	3
Bowdoin		69	3
Amherst		24	3
Worcester St.		809	3
Hilbert		8398	3
Houghton		30160	3

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ncaa_name	bd_name	school_id	division
Eastern		8968	3
Me.-Farmington		379	3
IIT		30172	3
Centre		132	3
Capital		117	3
SUNY New Paltz		475	3
Hampden-Sydney		269	3
Beloit		53	3
MIT		398	3
Southern Va.		30164	3
Salem St.		621	3
Lesley		24317	3
Bluffton		987	3
FDU-Florham		221	3
Eastern Nazarene		1064	3
Neumann		1254	3
WPI		808	3
Dean		30219	3
Rosemont		15882	3
Pitt.-Bradford		1315	3
Marian (NACC)		1196	3
Simpson		641	3
Marywood		397	3
Piedmont		21830	3
UMass Dartmouth		656	3
Williams		789	3
Juniata		325	3
Averett		44	3
Linfield		1179	3
Ramapo		564	3
RIT		580	3
Elmira		213	3
Concordia Chicago		160	3
Bates		50	3
St. Thomas (SCAC)		2810	3
Cazenovia		23624	3
Ohio Wesleyan		520	3
Minn.-Morris		1226	3
Mt. St. Mary (Skyline)		1468	3
Valley Forge		30166	3
Plymouth St.		548	3
Bob Jones		30232	3
CWRU		122	3
Baruch		58	3
Augsburg		38	3
Southern Me.		662	3
Ferrum		225	3
Heidelberg		278	3
Wis. Lutheran		8911	3

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ncaa_name	bd_name	school_id	division
St. Scholastica		618	3
Mary Baldwin		389	3
Elms		532	3
CCNY		480	3
Fitchburg St.		227	3
Rutgers-Camden		588	3
Dickinson		185	3
Framingham St.		238	3
Wis.-Eau Claire		793	3
Gordon		1099	3
La Roche		1163	3
Chatham		10972	3
Stevenson		21852	3
Blackburn		64	3
Belhaven		30197	3
Alma		21	3
MCLA		486	3
Colby-Sawyer		152	3
Susquehanna		685	3
Greenville		1111	3
Lasell		8486	3
Manchester		1192	3
Coast Guard		722	3
Cornell College		166	3
North Central (UMAC)		30039	3
Carroll (CCIW)		120	3
SUNY Oneonta		526	3
Saint Mary's (MIAC)		612	3
Ursinus		730	3
Clark (NEWC)		145	3
Purchase		30029	3
Albertus Magnus		2798	3
SUNY Poly		9500	3
Russell Sage		11036	3
SUNY Canton		30165	3
Northland		1267	3
Concordia (ASC)		24400	3
Occidental		516	3
Bethany (PAC)		59	3
Waynesburg		1434	3
Me.-Presque Isle		30040	3
George Fox		1094	3
St. Olaf		615	3
Whittier		781	3
Drew		190	3
NVU-Lyndon		30065	3
Defiance		1050	3
Hiram		281	3
Hamline		268	3

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ncaa_name	bd_name	school_id	division
Caltech		89	3
Dallas		1044	3
Western Conn. St.		770	3
Knox		337	3
MUW		431	3
Hood		8404	3
Martin Luther		8597	3
Sewanee		652	3
Wells		761	3
LeTourneau		8490	3
Albion		15	3
Castleton		123	3
Berea		30171	3
Whitworth		1454	3
Clarks Summit		958	3
Curry		170	3
John Jay		321	3
Medaille		23725	3
Coe		150	3
Maranatha Baptist		1194	3
Yeshiva		814	3
Keene St.		330	3
Rivier		18422	3
Finlandia		30032	3
Principia		555	3
Albright		16	3

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ncaa\_scraper.ncaa\_team\_stats()

    built-in function, 5

ncaa\_scraper.ncaa\_team\_totals()

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