Package: IPEDS (via r-universe)

October 22, 2024

Title Data from the Integrated Post-Secondary Education Data System

Version 0.1.0.9000

Maintainer Aushanae Haller <aushanaenhaller@gmail.com>

Description Contains data on Post-Secondary Institution Statistics in
2020 <https://nces.ed.gov/ipeds/use-the-data>. The package
allows easy access to a wide variety of information regarding
Post-secondary Institutions, its students, faculty, and their
demographics, financial aid, educational and recreational
offerings, and completions. This package can be used by
students, college counselors, or involved parents interested in
pursuing higher education, considering their options, and
securing admission into their school of choice.

License MIT + file LICENSE

Suggests knitr, rmarkdown, purrr, ggplot2, testthat (>= 3.0.0)

Config/testthat/edition 3

Encoding UTF-8

Roxygen list(markdown = TRUE)

RoxygenNote 7.2.1

Depends R (>= 2.10)

LazyData true

Imports dplyr, tidyr, rlang, readr, utils

VignetteBuilder knitr

Repository https://ajhaller.r-universe.dev

RemoteUrl https://github.com/ajhaller/ipeds

RemoteRef HEAD

RemoteSha 45cbcd2bd04aa083a3b323b1e504b864ba860dd4

Contents

---

acceptance_rate   *Function for getting the acceptance rate by institution*

Description

Provides the acceptance rate for the inputted institution

Usage

```
acceptance_rate(institution_id)
```

Arguments

institution_id   Institution id. Find matching name and ids in the `dir_info2021` dataset.

Value

A statement with the acceptance rate for inputted institution.

Examples

```
acceptance_rate(167835)
acceptance_rate(100830)
```

---

adm2021 *Admissions and Test Scores 2021 Data*

Description

This file contains information about the undergraduate selection process for entering first-time, degree/certificate-seeking students. This includes information about admission considerations, applicants, applicants that were admitted, and admitted students who enrolled. SAT and ACT test scores are included for institutions, that require test scores for admission. These data are applicable for institutions that do not have an open admissions policy for entering first-time students. Beginning with 2016, writing scores for both SAT and ACT are no longer collected. The possible values for the admission consideration variables have changed from data prior to 2016.

Usage

adm2021

Format

A data frame of 1981 rows representing institutions and 39 variables

INSTITUTION_ID Unique identification number of the institution

hs_gpa Secondary school GPA: a factor with 4 levels: Required, Recommended, Neither_required_nor_recommended, and Considered_but_not_required

hs_rank Secondary school rank: a factor with 4 levels: Required, Recommended, Neither_required_nor_recommended, and Considered_but_not_required

hs_record Secondary school record: a factor with 4 levels: Required, Recommended, Neither_required_nor_recommended, and Considered_but_not_required

cprep_program Completion of college-preparatory program: a factor with 4 levels: Required, Recommended, Neither_required_nor_recommended, and Considered_but_not_required

recs Recommendations: a factor with 4 levels: Required, Recommended, Neither_required_nor_recommended, and Considered_but_not_required

competencies Formal demonstration of competencies: a factor with 4 levels: Required, Recommended, Neither_required_nor_recommended, and Considered_but_not_required

adm_tscores Admission test scores: a factor with 4 levels: Required, Recommended, Neither_required_nor_recommended, and Considered_but_not_required

test_eng_FL TOEFL (Test of English as a Foreign Language: a factor with 4 levels: Required, Recommended, Neither_required_nor_recommended, and Considered_but_not_required

other_test Other Test (Wonderlic, WISC-III, etc.: a factor with 4 levels: Required, Recommended, Neither_required_nor_recommended, and Considered_but_not_required

APPLCN Applicants total

APPLCNM Applicants men

APPLCNW Applicants men

ADMSSN Admissions total

ADMSSNM Admissions men

ADMSSNW Admissions women

ENRLT Enrolled total

ENRLM Enrolled men

ENRLW Enrolled women

FT_enroll Enrolled full time total

FT_enroll_M Enrolled full time men

FT_enroll_W Enrolled full time women

PT_enroll Enrolled part time total

PT_enroll_M Enrolled part time men

PT_enroll_W Enrolled part time women

SAT_num Number of first-time degree/certificate-seeking students submitting SAT scores

SAT_pct Percent of first-time degree/certificate-seeking students submitting SAT scores

ACT_num Number of first-time degree/certificate-seeking students submitting ACT scores

ACT_pct Percent of first-time degree/certificate-seeking students submitting ACT scores

RW_SAT_25 SAT Evidence-Based Reading and Writing 25th percentile score

RW_SAT_75 SAT Evidence-Based Reading and Writing 75th percentile score

MTH_SAT_25 SAT Math 25th percentile score

MTH_SAT_75 SAT Math 75th percentile score

ACT_25 ACT Composite 25th percentile score

ACT_75 ACT Composite 75th percentile score

eng_ACT_25 ACT English 25th percentile score

eng_ACT_75 ACT English 75th percentile score

MTH_ACT_25 ACT Math 25th percentile score

MTH_ACT_75 ACT Math 75th percentile score

Details

Provisional release data have undergone all NCES data quality control procedures. Data are imputed for nonresponding institutions.

Source

Download from Integrated Postsecondary Education Data System, https://nces.ed.gov/ipeds/datacenter/data/ADM2021.zip.

---

admission_reqs   *Function for Admission Requirements for an Institution*

Description

Lists and orders requirements for admission by priority

Usage

```
admission_reqs(institution_id)
```

Arguments

institution_id   Institution ID. Find these on the `dir_info2021` dataset.

Value

A tibble of the requirements for the inputted institution.

Examples

```
admission_reqs(167835)
admission_reqs(130794)
```

---

compare_int   *Function for Comparing (2) Institutions Side by Side, Chosen by User Input*

Description

Outputs Table Comparing Various Qualities Each Institution Has

Usage

```
compare_int(Institution1_ID, Institution2_ID)
```

Arguments

Institution1_ID

    (numeric) 1st Institution chosen by user to be compared against Institution2

Institution2_ID

    (numeric) 2nd Institution chosen by user to be compared against Institution1

Value

A 2 column table with the qualities of the 2 institutions being compared in the rows.

Examples

```
compare_int(Institution1_ID = 100654, Institution2_ID = 100663)
compare_int(167835, 168218)
```

---

complete2021	*Completions 2021 Data*

Description

This file contains the number of students receiving a degree or certificate by level of award and by race/ethnicity, gender and age categories. Data covers awards granted between July 1, 2020 and June 30, 2021. This file contains multiple records per institution. Each record will contain the total number of students receiving awards; number of men and women receiving awards: number of students receiving awards for all nine race/ethnicity categories; number of students receiving awards are also available for the following age groups: under 18, 18-24, 25-39, 40 and above.

Usage

```
complete2021
```

Format

A data frame of 15980 rows representing institutions and 19 variables

INSTITUTION_ID Unique identification number of the institution

AWARD_LVL Award Level code (3 = Associate's degree; 5 = Bachelor's degree; 7 = Master's degree; 9 = Doctor's degree; 10 = Postbaccalaureate or Post-master's certificate; 11 = Certificate of less than 12 weeks; 12 = Certificate of at least 12 weeks but less than 1 year; 2 = Certificate of at least 1 but less than 4 years)

TOTAL Grand total individuals

TOTAL_M Grand total men

TOTAL_W Grand total women

TOTAL_NATIVE American Indian or Alaska Native total

TOTAL_ASIAN Asian total

TOTAL_BLACK Black or African American total

TOTAL_HISP Hispanic or Latino total

TOTAL_NHPI Native Hawaiian or Other Pacific Islander total

TOTAL_WHITE White total

TOTAL_MULT Two or more races total

TOTAL_UNKNOWN Race/ethnicity unknown total

TOTAL_NRA Nonresident alien total

UND18 Ages, under 18

AGE18_24 Ages, 18-24

AGE25_39 Ages, 25-39

AGE40PLUS Ages, 40 and above

AGE_UNKNOWN Age unknown

Details

Provisional release data have undergone all NCES data quality control procedures. Data are imputed for nonresponding institutions.

Source

Download from Integrated Postsecondary Education Data System, https://nces.ed.gov/ipeds/datacenter/data/C2021_C.zip.

---

conference   *Conferences Data*

Description

This file contains the details for conferences in the Offerings 2021 (`offerings2021`) dataset.

Usage

```
conference
```

Format

A data frame of 500 rows representing conferences and 3 variables

Numeric_Code Numeric code representing a conference

Conference Explanation of numeric code

Sport Type of sport for each conference

---

dir_info2021   *Directory Info 2021 Data*

Description

This file contains directory information for every institution in the 2021-22 IPEDS universe. Includes name, address, city, state, zip code and various URL links to the institution's home page, admissions, financial aid offices and the net price calculator. Identifies institutions as currently active, institutions that participate in Title IV federal financial aid programs for which IPEDS is mandatory. It also includes variables derived from the 2020-21 Institutional Characteristics survey, such as control and level of institution, highest level and highest degree offered and Carnegie classifications.

Usage

dir_info2021

Format

A data frame of 6129 rows representing institutions and 47 variables

INSTITUTION_ID Unique identification number of the institution

INSTITUTION Institution (entity) name

ADDRESS Street address or post office box

CITY City location of institution

STATE State abbreviation

ZIP ZIP code

FIPS FIPS state code

BEA_REG Bureau of Economic Analysis (BEA) regions(0 = US Service Schools; 1 = New England CT ME MA NH RI VT; 2 = Mid East DE DC MD NJ NY PA; 3 = Great Lakes IL IN MI OH WI; 4 = Plains IA KS MN MO NE ND SD; 5 = Southeast AL AR FL GA KY LA MS NC SC TN VA WV; 6 = Southwest AZ NM OK TX; 7 = Rocky Mountains CO ID MT UT WY; 8 = Far West AK CA HI NV OR WA; 9 = Outlying areas AS FM GU MH MP PR PW VI; -3 = Not available)

AID_ELIG OPE Title IV eligibility indicator code (1 = Participates in Title IV federal financial aid programs; 2 = Branch campus of a main campus that participates in Title IV; 3 = Deferment only - limited participation; 5 = Not currently participating in Title IV, has an OPE ID number; 6 = Not currently participating in Title IV, does not have OPE ID number; 7 = Stopped participating during the survey year; 8 = New participants (became eligible during spring collection)

WEBSITE Institution's internet website address

ADMIN_WEB Admissions office web address

FINAID_WEB Financial aid office web address

APPLICATION Online application web address

NPRICE_CALC Net price calculator web address

VET_TUITION Veterans and Military Servicemembers tuition policies web address

ATH_GRAD_RATE Student-Right-to-Know student athlete graduation rate web address

DISABILITY_WEB Disability Services Web Address

INT_LEVEL Level of institution (1 = Four or more years; 2 = At least 2 but less than 4 years; 3 = Less than 2 years (below associate); -3 = Not available)

INT_CONTROL Control of institution (1 = Public; 2 = Private not-for-profit; 3 = Private for-profit; -3 = Not available)

UNGRAD_OFFER Undergraduate offering (1 = Undergraduate degree or certificate offering; 2 = No undergraduate offering; -3 = Not available)

GRAD_OFFER Graduate offering (1 = Graduate degree or certificate offering; 2 = No graduate offering; -3 = Not available)

HD_OFFER Degree-granting status (1 = Degree granting; 2 = Nondegree-granting, primarily post-secondary; -3 = Not available)

HBCU Historically Black College or University (1 = Yes; 2 = No)

HOSPITAL Institution has hospital (1 = Yes; 2 = No; -1 = Not reported; -2 = Not applicable)

MEDICAL Institution grants a medical degree (1 = Yes; 2 = No; -1 = Not reported; -2 = Not applicable)

TRIBAL Tribal college (1 = Yes; 2 = No)

LOCALE Degree of urbanization (Urban-centric locale) (11 = City: Large; 12 = City: Midsize; 13 = City: Small; 21 = Suburb: Large; 22 = Suburb: Midsize; 23 = Suburb: Small; 31 = Town: Fringe; 32 = Town: Distant; 33 = Town: Remote; 41 = Rural: Fringe; 42 = Rural: Distant; 43 = Rural: Remote; -3 = Not available)

OPENPUBL Institution open to the general public (1 = Institution is open to the public; 0 = Institution is not open to the public)

INT_STATUS Status of institution (A = Active; N = New(active) - added during the current year; R = Restore(active) restored to the current universe; M = Closed in current year (active has data); C = Combined with other institution; D = Delete out of business; G = Perfect child campus - data reported with main campus, but is listed on college navigator)

CLOSE_DATE Date institution closed

POST_SEC Postsecondary institution indicator (1 = Primarily postsecondary institution; 2 = Not primarily postsecondary)

RPTMTH Reporting method for student charges, graduation rates, retention rates and student financial aid (1 = Student charges for full academic year and fall GR/SFA/retention rate cohort; 2 = Student charges by program and full-year GR/SFA/retention rate cohort; 3 = Student charges for full academic year and full-year GR/SFA/retention rate cohort; -1 = Not reported; -2 = Not applicable)

CC_U2021 Carnegie Classification 2021: Undergraduate Instructional Program (1 = Associate's Colleges: High Transfer; 2 = Associate's Colleges: Mixed Transfer/Career & Technical; 3 = Associate's Colleges: High Career & Technical; 4 = Special Focus: Two-Year Institution; 5 = Baccalaureate/Associates Colleges; 6 = Arts & sciences focus, no graduate coexistence; 7

= Arts & sciences focus, some graduate coexistence; 8 = Arts & sciences focus, high graduate coexistence; 9 = Arts & sciences plus professions, no graduate coexistence; 10 = Arts & sciences plus professions, some graduate coexistence; 11 = Arts & sciences plus professions, high graduate coexistence; 12 = Balanced arts & sciences/professions, no graduate coexistence; 13 = Balanced arts & sciences/professions, some graduate coexistence; 14 = Balanced arts & sciences/professions, high graduate coexistence; 15 = Professions plus arts & sciences, no graduate coexistence; 16 = Professions plus arts & sciences, some graduate coexistence; 17 = Professions plus arts & sciences, high graduate coexistence; 18 = Professions focus, no graduate coexistence; 19 = Professions focus, some graduate coexistence; 20 = Professions focus, high graduate coexistence; 0 = Not Classified (Exclusively Graduate Programs); -2 = Not applicable, not in Carnegie universe (not accredited or nondegree-granting))

CC_G2021 Carnegie Classification 2021: Graduate Instructional Program (1 = Postbaccalaureate: Single program-Education; 2 = Postbaccalaureate: Single program-Business; 3 = Postbaccalaureate: Single program-Other; 4 = Postbaccalaureate: Comprehensive programs; 5 = Postbaccalaureate: Arts & sciences-dominant; 6 = Postbaccalaureate: Education-dominant, with Arts & Sciences; 7 = Postbaccalaureate: Business-dominant, with Arts & Sciences; 8 = Postbaccalaureate: Other-dominant, with Arts & Sciences; 9 = Postbaccalaureate: Education-dominant, with other professional programs; 10 = Postbaccalaureate: Business-dominant, with other professional programs; 11 = Postbaccalaureate: Other-dominant, with other professional programs; 12 = Research Doctoral: Single program-Education; 13 = Research Doctoral: Single program-Other; 14 = Research Doctoral: Comprehensive programs, with medical/veterinary school; 15 = Research Doctoral: Comprehensive programs, no medical/veterinary school; 16 = Research Doctoral: Humanities/social sciences-dominant; 17 = Research Doctoral: STEM-dominant; 18 = Research Doctoral: Professional-dominant; 0 = Not classified (Exclusively Undergraduate); -2 = Not applicable, not in Carnegie universe (not accredited or nondegree-granting))

CC21_U_PROFILE Carnegie Classification 2021: Undergraduate Profile (1 = Two-year, higher part-time; 2 = Two-year, mixed part/full-time; 3 = Two-year, medium full-time; 4 = Two-year, higher full-time; 5 = Four-year, higher part-time; 6 = Four-year, medium full-time, inclusive, lower transfer-in; 7 = Four-year, medium full-time, inclusive, higher transfer-in; 8 = Four-year, medium full-time, selective, lower transfer-in; 9 = Four-year, medium full-time, selective, higher transfer-in; 10 = Four-year, full-time, inclusive, lower transfer-in; 11 = Four-year, full-time, inclusive, higher transfer-in; 12 = Four-year, full-time, selective, lower transfer-in; 13 = Four-year, full-time, selective, higher transfer-in; 14 = Four-year, full-time, more selective, lower transfer-in; 15 = Four-year, full-time, more selective, higher transfer-in; 0 = Not classified (Exclusively Graduate); -2 = Not applicable, not in Carnegie universe (not accredited or nondegree-granting))

CC21_ENROLL Carnegie Classification 2021: Enrollment Profile (1 = Exclusively undergraduate two-year; 2 = Exclusively undergraduate 4-year; 3 = Very high undergraduate; 4 = High undergraduate; 5 = Majority undergraduate; 6 = Majority graduate; 7 = Exclusively graduate; 8 = Not applicable)

CC21_SIZE_SET Carnegie Classification 2021: Size and Setting (1 = Two-year, very small; 2 = Two-year, small; 3 = Two-year, medium; 4 = Two-year, large; 5 = Two-year, very large; 6 = Four-year, very small, primarily nonresidential; 7 = Four-year, very small, primarily residential; 8 = Four-year, very small, highly residential; 9 = Four-year, small, primarily nonresidential; 10 = Four-year, small, primarily residential; 11 = Four-year, small, highly residential; 12 = Four-year, medium, primarily nonresidential; 13 = Four-year, medium, primarily residential; 14 = Four-year, medium, highly residential; 15 = Four-year, large, primarily nonresidential;

16 = Four-year, large, primarily residential; 17 = Four-year, large, highly residential; 18 = Exclusively graduate/professional; -2 = Not applicable, not in Carnegie universe (not accredited or nondegree-granting))

C_PROGRAMS Carnegie Classification 2000 (15 = Doctoral/Research Universities–Extensive; 16 = Doctoral/Research Universities–Intensive; 21 = Masters Colleges and Universities I; 22 = Masters Colleges and Universities II; 31 = Baccalaureate Colleges–Liberal Arts; 32 = Baccalaureate Colleges–General; 33 = Baccalaureate/Associates Colleges; 40 = Associates Colleges; 51 = Theological seminaries and other specialized faith-related institutions; 52 = Medical schools and medical centers; 53 = Other separate health profession schools; 54 = Schools of engineering and technology; 55 = Schools of business and management; 56 = Schools of art, music, and design; 57 = Schools of law; 58 = Teachers colleges; 59 = Other specialized institutions; 60 = Tribal colleges; -2 = Not applicable, not in Carnegie universe (not accredited or nondegree-granting))

INT_SIZE Institution size category (1 = Under 1,000; 2 = 1,000 - 4,999; 3 = 5,000 - 9,999; 4 = 10,000 - 19,999; 5 = 20,000 and above; -1 = Not reported; -2 = Not applicable)

MULT_ORG Multi-institution or multi-campus organization (1 = Institution is part of a multi-institution or multi-campus organization; 2 = Institution is NOT part of a multi-institution or multi-campus organization; -1 = Not reported; -2 = Not applicable)

MULT_ORG_NAME Name of multi-institution or multi-campus organization

MULT_ORG_CODE Identification number of multi-institution or multi-campus organization

COUNTYCD Fips County code

COUNTYNM County name

CONGRESS_DIS_ID State and 114TH Congressional District ID

LONGITUD Longitude location of institution

LATITUDE Latitude location of institution

Details

Provisional release data have undergone all NCES data quality control procedures. Data are imputed for nonresponding institutions.

Source

Download from Integrated Postsecondary Education Data System, https://nces.ed.gov/ipeds/datacenter/data/HD2021.zip.

---

fall_enroll2021 *Fall Enrollment 2021 Data*

Description

This file contains the number of students enrolled in the fall, by race/ethnicity, gender, attendance (full- or part-time) status and level of student. Institutions with traditional academic year calendar systems (semester, quarter, trimester or 4-1-4) report their enrollment as of October 15 or the official fall reporting date of the institution. Institutions with calendar systems that differ by program or allow continuous enrollment report students that are enrolled at any time between August 1 and October 31. This file has multiple records per institution. Records are uniquely defined by the variables IPEDS ID (UNITID), and the attendance status and level of student (EFALEVEL). Each record will contain the total enrollment, enrollment for men and women, and the total enrollment and enrollment for men and women for all nine race/ethnicity categories.

Usage

```
fall_enroll2021
```

Format

A data frame of 6049 rows representing institutions and 31 variables

INSTITUTION_ID Unique identification number of the institution

ENROLL Grand total

M_ENROLL Grand total men

W_ENROLL Grand total women

NATIVE_ENROLL American Indian or Alaska Native total

NATIVE_M_ENROLL American Indian or Alaska Native men

NATIVE_W_ENROLL American Indian or Alaska Native women

ASIAN_ENROLL Asian total

ASIAN_M_ENROLL Asian men

ASIAN_W_ENROLL Asian women

BLACK_ENROLL Black or African American total

BLACK_M_ENROLL Black or African American men

BLACK_W_ENROLL Black or African American women

LATINX_ENROLL Hispanic total

LATINX_M_ENROLL Hispanic men

LATINX_W_ENROLL Hispanic women

PAC_ISL_ENROLL Native Hawaiian or Other Pacific Islander total

PAC_ISL_M_ENROLL Native Hawaiian or Other Pacific Islander men

PAC_ISL_W_ENROLL Native Hawaiian or Other Pacific Islander women

WHITE_ENROLL White total

WHITE_M_ENROLL White men

WHITE_W_ENROLL White women

MULT_RACE_ENROLL Two or more races total

MULT_RACE_M_ENROLL Two or more races men

MULT_RACE_W_ENROLL Two or more races women

UNKNOWN_RACE_ENROLL Race/ethnicity unknown total

UNKNOWN_RACE_M_ENROLL Race/ethnicity unknown men

UNKNOWN_RACE_W_ENROLL Race/ethnicity unknown women

IMMIGRANT_ENROLL Nonresident alien total

IMMIGRANT_M_ENROLL Nonresident alien men

IMMIGRANT_W_ENROLL Nonresident alien women

Details

Provisional release data have undergone all NCES data quality control procedures. Data are imputed for nonresponding institutions.

Source

Download from Integrated Postsecondary Education Data System, `https://nces.ed.gov/ipeds/datacenter/data/EF2021A.zip`.

---

fin_aid1920   *Student Financial Aid Data 2019 - 2020*

Description

Provisional release data have undergone all NCES data quality control procedures. Data are imputed for nonresponding institutions.

Usage

`fin_aid1920`

Format

A data frame of 5859 rows representing institutions and 91 variables

INSTITUTION_ID Unique identification number of the institution

UG_NUM Total number of undergraduates - full-year cohort

PCT_AID Percent of undergraduate students awarded federal, state, local, institutional or other sources of grant aid

AVG_AID Average amount of federal, state, local, institutional or other sources of grant aid awarded to undergraduate students

AVG_PELL Average amount Pell grant aid awarded to undergraduate students

AVG_FLOAN Average amount of federal student loans awarded to undergraduate students

AVG_AWRD Average amount of federal, state, local or institutional grant aid awarded

AVG_FGRANT_FTFT Average amount of federal grant aid awarded to full-time first-time undergraduates

AVG_PGRANT_FTFT Average amount of Pell grant aid awarded to full-time first-time undergraduates

AVG_FOTHER_FTFT Average amount of other federal grant aid awarded to full-time first-time undergraduates

AVG_STGRANT_FTFT Average amount of state/local grant aid awarded to full-time first-time undergraduates

AVG_INST_AID_FTFT Average amount of institutional grant aid awarded to full-time first-time undergraduates

AVG_LOAN_FTFT Average amount of student loans awarded to full-time first-time undergraduates

AVG_FLOAN_FTFT Average amount of federal student loans awarded to full-time first-time undergraduates

AVG_OLOAN_FTFT Average amount of other student loans awarded to full-time first-time undergraduates

IS_AVG_GAID_1920 Average amount of grant and scholarship aid awarded, 2019-20

IS_AVG_GAID_1819 Average amount of grant and scholarship aid awarded, 2018-19

IS_AVG_GAID_1718 Average amount of grant and scholarship aid awarded, 2017-18

AVG_AID_AL_1920 Average amount of grant and scholarship aid awarded, all income levels, 2019-20

AVG_AID_L1_1920 Average amount of grant and scholarship aid awarded, income level (0-30,000), 2019-20

AVG_AID_L2_1920 Average amount of grant and scholarship aid awarded, income level (30,001-48,000), 2019-20

AVG_AID_L3_1920 Average amount of grant and scholarship aid awarded, income level (48,001-75,000), 2019-20

AVG_AID_L4_1920 Average amount of grant and scholarship aid awarded, income level (75,001-110,000), 2019-20

AVG_AID_L5_1920 Average amount of grant and scholarship aid awarded, income level (110,001 or more), 2019-20

AVG_AID_AL_1819 Average amount of grant and scholarship aid awarded, all income levels, 2018-19

AVG_AID_L1_1819 Average amount of grant and scholarship aid awarded, income level (0-30,000), 2018-19

AVG_AID_L2_1819 Average amount of grant and scholarship aid awarded, income level (30,001-48,000), 2018-19

AVG_AID_L3_1819 Average amount of grant and scholarship aid awarded, income level (48,001-75,000), 2018-19

AVG_AID_L4_1819 Average amount of grant and scholarship aid awarded, income level (75,001-110,000), 2018-19

AVG_AID_L5_1819 Average amount of grant and scholarship aid awarded, income level (110,001 or more), 2018-19

AVG_AID_AL_1718 Average amount of grant and scholarship aid awarded, all income levels, 2017-18

AVG_AID_L1_1718 Average amount of grant and scholarship aid awarded, income level (0-30,000), 2017-18

AVG_AID_L2_1718 Average amount of grant and scholarship aid awarded, income level (30,001-48,000), 2017-18

AVG_AID_L3_1718 Average amount of grant and scholarship aid awarded, income level (48,001-75,000), 2017-18

AVG_AID_L4_1718 Average amount of grant and scholarship aid awarded, income level (75,001-110,000), 2017-18

AVG_AID_L5_1718 Average amount of grant and scholarship aid awarded, income level (110,001 or more), 2017-18

AVG_NPRICE_1920 Average net price-students awarded grant or scholarship aid, 2019-20

AVG_NPRICE_1819 Average net price-students awarded grant or scholarship aid, 2018-19

AVG_NPRICE_1718 Average net price-students awarded grant or scholarship aid, 2017-18

AVG_NPRICE_L1_1920 Average net price (income 0-30,000)-students awarded Title IV federal financial aid, 2019-20

AVG_NPRICE_L2_1920 Average net price (income 30,001-48,000)-students awarded Title IV federal financial aid, 2019-20

AVG_NPRICE_L3_1920 Average net price (income 48,001-75,000)-students awarded Title IV federal financial aid, 2019-20

AVG_NPRICE_L4_1920 Average net price (income 75,001-110,000)-students awarded Title IV federal financial aid, 2019-20

AVG_NPRICE_L5_1920 Average net price (income over 110,000)-students awarded Title IV federal financial aid, 2019-20

AVG_NPRICE_L1_1819 Average net price (income 0-30,000)-students awarded Title IV federal financial aid, 2018-19

AVG_NPRICE_L2_1819 Average net price (income 30,001-48,000)-students awarded Title IV federal financial aid, 2018-19

AVG_NPRICE_L3_1819 Average net price (income 48,001-75,000)-students awarded Title IV federal financial aid, 2018-19

AVG_NPRICE_L4_1819 Average net price (income 75,001-110,000)-students awarded Title IV federal financial aid, 2018-19

AVG_NPRICE_L5_1819 Average net price (income over 110,000)-students awarded Title IV federal financial aid, 2018-19

AVG_NPRICE_L1_1718 Average net price (income 0-30,000)-students awarded Title IV federal financial aid, 2017-18

AVG_NPRICE_L2_1718 Average net price (income 30,001-48,000)-students awarded Title IV federal financial aid, 2017-18

AVG_NPRICE_L3_1718 Average net price (income 48,001-75,000)-students awarded Title IV federal financial aid, 2017-18

AVG_NPRICE_L4_1718 Average net price (income 75,001-110,000)-students awarded Title IV federal financial aid, 2017-18

AVG_NPRICE_L5_1718 Average net price (income over 110,000)-students awarded Title IV federal financial aid, 2017-18

OS_AVG_GAID_1718 Average amount of grant and scholarship aid awarded, 2017-18

OS_AVG_GAID_AL_1920 Average amount of grant and scholarship aid awarded, all income levels, 2019-20

OS_AVG_GAID_L1_1920 Average amount of grant and scholarship aid awarded, income level (0-30,000), 2019-20

OS_AVG_GAID_L2_1920 Average amount of grant and scholarship aid awarded, income level (30,001-48,000), 2019-20

OS_AVG_GAID_L3_1920 Average amount of grant and scholarship aid awarded, income level (48,001-75,000), 2019-20

OS_AVG_GAID_L4_1920 Average amount of grant and scholarship aid awarded, income level (75,001-110,000), 2019-20

OS_AVG_GAID_L5_1920 Average amount of grant and scholarship aid awarded, income level (110,001 or more), 2019-20

OS_AVG_GAID_AL_1819 Average amount of grant and scholarship aid awarded, all income levels, 2018-19

OS_AVG_GAID_L1_1819 Average amount of grant and scholarship aid awarded, income level (0-30,000), 2018-19

OS_AVG_GAID_L2_1819 Average amount of grant and scholarship aid awarded, income level (30,001-48,000), 2018-19

OS_AVG_GAID_L3_1819 Average amount of grant and scholarship aid awarded, income level (48,001-75,000), 2018-19

OS_AVG_GAID_L4_1819 Average amount of grant and scholarship aid awarded, income level (75,001-110,000), 2018-19

OS_AVG_GAID_L5_1819 Average amount of grant and scholarship aid awarded, income level (110,001 or more), 2018-19

OS_AVG_GAID_AL_1718 Average amount of grant and scholarship aid awarded, all income levels, 2017-18

OS_AVG_GAID_L1_1718 Average amount of grant and scholarship aid awarded, income level (0-30,000), 2017-18

OS_AVG_GAID_L2_1718 Average amount of grant and scholarship aid awarded, income level (30,001-48,000), 2017-18

OS_AVG_GAID_L3_1718 Average amount of grant and scholarship aid awarded, income level (48,001-75,000), 2017-18

OS_AVG_GAID_L4_1718 Average amount of grant and scholarship aid awarded, income level (75,001-110,000), 2017-18

OS_AVG_GAID_L5_1718 Average amount of grant and scholarship aid awarded, income level (110,001 or more), 2017-18

OS_AVG_NPRICE_1920 Average net price-students awarded grant or scholarship aid, 2019-20

OS_AVG_NPRICE_1819 Average net price-students awarded grant or scholarship aid, 2018-19

OS_AVG_NPRICE_1718 Average net price-students awarded grant or scholarship aid, 2017-18

OS_AVG_NPRICE_L1_1920 Average net price (income 0-30,000)-students awarded Title IV federal financial aid, 2019-20

OS_AVG_NPRICE_L2_1920 Average net price (income 30,001-48,000)-students awarded Title IV federal financial aid, 2019-20

OS_AVG_NPRICE_L3_1920 Average net price (income 48,001-75,000)-students awarded Title IV federal financial aid, 2019-20

OS_AVG_NPRICE_L4_1920 Average net price (income 75,001-110,000)-students awarded Title IV federal financial aid, 2019-20

OS_AVG_NPRICE_L5_1920 Average net price (income over 110,000)-students awarded Title IV federal financial aid, 2019-20

OS_AVG_NPRICE_L1_1819 Average net price (income 0-30,000)-students awarded Title IV federal financial aid, 2018-19

OS_AVG_NPRICE_L2_1819 Average net price (income 30,001-48,000)-students awarded Title IV federal financial aid, 2018-19

OS_AVG_NPRICE_L3_1819 Average net price (income 48,001-75,000)-students awarded Title IV federal financial aid, 2018-19

OS_AVG_NPRICE_L4_1819 Average net price (income 75,001-110,000)-students awarded Title IV federal financial aid, 2018-19

OS_AVG_NPRICE_L5_1819 Average net price (income over 110,000)-students awarded Title IV federal financial aid, 2018-19

OS_AVG_NPRICE_L1_1718 Average net price (income 0-30,000)-students awarded Title IV federal financial aid, 2017-18

OS_AVG_NPRICE_L2_1718 Average net price (income 30,001-48,000)-students awarded Title IV federal financial aid, 2017-18

OS_AVG_NPRICE_L3_1718 Average net price (income 48,001-75,000)-students awarded Title IV federal financial aid, 2017-18

OS_AVG_NPRICE_L4_1718 Average net price (income 75,001-110,000)-students awarded Title IV federal financial aid, 2017-18

OS_AVG_NPRICE_L5_1718 Average net price (income over 110,000)-students awarded Title IV federal financial aid, 2017-18

Source

Download from Integrated Postsecondary Education Data System, https://nces.ed.gov/ipeds/datacenter/data/SFA1920.zip.

---

offerings2021   *Offerings Data*

Description

This file contains data on program and award level offerings, control and affiliation of institution. It also contains information on special learning opportunities, student services, disability services, tuition plans and athletic conference associations. Services and programs for service members and veterans are also included.

Usage

offerings2021

Format

A data frame of 6179 rows representing institutions and 114 variables

INSTITUTION_ID Unique identification number of the institution

OCCUPATIONAL Occupational Program - A program of study consisting of one or more courses, designed to provide the student with sufficient knowledge and skills to perform in a specific occupation.

ACADEMIC Academic Program - Instructional program leading toward an associate's, bachelor's, master's, doctor's, or first-professional degree or resulting in credits that can be applied to one of these degrees.

CONTIN_PROFESS Continuing Professional Education - Programs and courses designed specifically for individuals who have completed a professional degree (such as law, medicine, dentistry, or social work) to obtain additional training in their particular field of study

RECREATE_AVO Avocational Programs - Instructional programs in personal interest and leisure categories whose expressed intent is not to produce postsecondary credits, nor to lead to a formal award or an academic degree, nor result in occupationally specific skills.

REMEDIAL Adult Basic Education - Courses designed primarily for students 16 years of age and older to improve basic skills in reading, writing, and arithmetic. These courses are not intended to be part of a program leading to a high school degree, nor are they part of any academic, occupational, or vocational program at the postsecondary level.

SECONDARY Secondary (high school)

AFFILIATION Institutional control or affiliation (1 = Public, 2 = Private for-profit, 3 = Private not-for-profit (no religious affiliation), 4 = Private not-for-profit (religious affiliation))

PRIMARY_CON Indicates primary control for public institutions (1 = Federal, 2 = State, 3 = Territorial, 4 = School district, 5 = County, 7 = City, 8 = Special district, 9 = Other, -2 = Not applicable)

SECOND_CON Indicates secondary control for public institutions (1 = Federal, 2 = State, 3 = Territorial, 4 = School district, 5 = County, 7 = City, 8 = Special district, 9 = Other, -2 = Not applicable)

RELIG_AFF Indicates religious affiliation (denomination) for private not-for-profit institutions that are religiously affiliated. (See `relig_aff` dataset for more information.)

CERT_1Y What award levels are offered by your institution? Postsecondary award, certificate, or diploma of less than 900 clock hours, or 30 semester or trimester credit hours, or 45 quarter credit hours (less than 1 year)

CERT_12W What award levels are offered by your institution? Postsecondary award, certificate, or diploma of less than 300 clock hours, 9 semester or trimester credit hours, or 13 quarter credit hours (less than 12 weeks)

CERT_L1Y What award levels are offered by your institution? Postsecondary award, certificate, or diploma of 300-899 clock hours, or 9-29 semester or trimester credit hours, or13-44 quarter credit hours (at least 12 weeks, but less than 1 year)

CERT_L2Y What award levels are offered by your institution? Postsecondary award, certificate, or diploma of at least 900 but less than 1,800 clock hours, or at least 30 but less than 60 semester or trimester credit hours, or at least 45 but less than 90 quarter credit hours (at least 1 year but less than 2 years)

ASSOCIATES What award levels are offered by your institution? Associate's degree

CERT_L4Y What award levels are offered by your institution? Postsecondary award, certificate, or diploma of 1,800 or more clock hours, or 60 or more semester or trimester credit hours, or 90 or more quarter credit hours (at least 2 but less than 4 years)

BACHELORS What award levels are offered by your institution? Bachelor's degree or equivalent

POST_BACH What award levels are offered by your institution? Postbaccalaureate certificate

MASTERS What award levels are offered by your institution? Master's degree

POST_MASTERS What award levels are offered by your institution? Post-master's certificate

OTHER What award levels are offered by your institution? Other; please specify

DOC_RS What award levels are offered by your institution? Doctorate's degree - research/scholarship

DOC_P What award levels are offered by your institution? Doctorate's degree - professional practice

DOC_O What award levels are offered by your institution? Doctorate's degree - other

CALSYS Standard academic term (1 = Semester, 2 = Quarter, 3 = Trimester, 4 = Four-one-four plan, 5 = Other academic year, 6 = Differs by program, 7 = Continuous, -2 = Not applicable)

FT_UG Undergraduate (academic or occupational programs), full-time students

FT_FTUG First-time degree/certificate-seeking undergraduate, full-time students

FTGDNIDP Graduate (not including doctor's professional practice), full-time students

PT_UG Undergraduate (academic or occupational programs), part-time students

PT_FTUG First-time degree/certificate-seeking undergraduate, part-time students

PTGDNIDP Graduate (not including doctor's professional practice), part-time students

DOC_P_E Students in doctor's - professional practice programs

DOC_PF Students in doctor's - professional practice programs

OPENADMP Open Admission - Admission policy whereby the school will accept any student who applies.

VET_YELLOWR Yellow Ribbon Program - A voluntary program through which participating public and private institutions can provide veterans and eligible beneficiaries additional institutional aid to cover the costs of tuition and fees at their institutions. The Yellow Ribbon Program is a supplementary program to the Post 9/11 GI Bill coverage of in-state tuition and fees. The Department of Veterans Affairs matches the institutional aid provided beyond the in-state tuition and fees, but to certain limit each year

VET_MTC Credit for Military Training - Postsecondary credit granted by institutions to military servicemen or veterans for experiences and training gained while in the service.

VET_SUPP Dedicated point of contact for support services for veterans, military service members, and their families

VET_ORG Recognized student veteran organization

VET_SOC Member of Service members Opportunity Colleges

VET_NA None of aforementioned programs available to veterans, military servicemembers, or their families

DUAL Accept Dual Enrollment - Refers to students who enroll in college courses offered by an institution of higher education while enrolled in high school or seeking a recognized equivalent. Student performance is recorded on a college transcript and postsecondary credit is awarded for a passing grade in the course. Includes: All postsecondary courses, independent of course delivery mode, course location, course instructor, whether secondary credit is also offered, and whether the student enrolls through a formal state/local program or enrolls outside a formal state/local program. Excludes: Credit-by-exam models such as Advanced Placement and International Baccalaureate in which the student is not enrolled in a postsecondary institution.

LIFE_EXP Accept Credit for Life Experiences - Credit earned by students for what they have learned through independent study, noncredit adult courses, work experience, portfolio demonstration, previous licensure or certification, or completion of other learning opportunities (military, government, or professional). Credit may also be awarded through a credit by examination program

AP Accept Advanced Placement - Advanced placement courses are college-level courses taught in high school. Students may take an examination at the completion of the course; acceptable scores allow students to earn college credit.

CRED_NA Accept none of the aforementioned credit

ROTC ROTC

ROTC_ARMY ROTC Army

ROTC_NAVY ROTC Navy

ROTC_AIR ROTC Air Force

STUDY_ABROAD Study Abroad - Arrangement by which a student completes part of the college program studying in another country. Can be at a campus abroad or through a cooperative agreement with some other U.S. college or an institution of another country.

WKEND_EV Weekend/evening College - A program that allows students to take a complete course of study and attend classes only on weekends or only in evenings.

TEACH_CERT Teacher certification (below the postsecondary level)

TEACH_CERT_S Teacher certification (below the postsecondary level). Students can complete their preparation in certain areas of specialization

TEACH_CERT_O Teacher certification (below the postsecondary level). Students must complete their preparation at another institution for certain areas of specialization

TEACH_CERT_STATE Teacher certification (below the postsecondary level). This institution is approved by the state for the initial certification or licensure of teachers

SLNA Institution does not have any of the following special learning opportunities: Accelerated programs, Cooperative (work study), Distance learning, Dual enrollment, ROTC, Study abroad, Weekend college, or Teacher certification (below thepostsecondary level).

YRSCOLL Years of completed college-level work are required for entrance (1 = One, 2 = Two, 3 = Three, 4 = Four, 5 = Five, 6 = Six, 8 = Eight, -1 = Not reported, -2 = Not applicable)

REME_SERV Offers Remedial Services - Instructional activities designed for students deficient in the general competencies necessary for a regular postsecondary curriculum and educational setting.

ACAREER_SERV Offers Counseling Services - Activities designed to assist students in making plans and decisions related to their education, career, or personal development.

EMPLOY_SERV Offers Employment Services for Current Students - Activities intended to assist students in obtaining part-time employment as a means of defraying part of the cost of their education.

PLACE_SERV Offers Placement Services for Program Completers - Assistance for students in evaluating their career alternatives as well as in obtaining full-time employment upon leaving the institution.

DAYCARE Offers Daycare Services - A student service designed to provide appropriate care and protection of infants, preschool, and school-age children so their parents can participate in postsecondary education programs.

SERVNA None of the following selected students services are offered: Remedial services, Academic/career counseling services, Employment services for current students, Placement services for program completers, or On-campus day care for children of students

LIB_PHYS Library offers Physical facilities

LIB_PRINT Library offers an organized collection of printed materials

LIB_DIGI Library offers access to digital/electronic resources

LIB_STAFF Library offers a staff trained to provide and interpret library materials

LIB_HOURS Library offers established library hours

LIB_COLLECT Library offers access to library collections that are shared with other institutions

LIB_NA Library offers none of the above

TUIT_ALT Alternative tuition plans are offered

TUIT_GUARAN Offers tuition guarantee

TUIT_PREPAID Offers prepaid tuition plan

TUIT_PAY Offers tuition payment plan

TUIT_OALT Offers other - (not one of the above alternative plans)

DIST_EDUC_UGC Offers Undergraduate level distant education courses

DIST_EDUC_UGP Offers Undergraduate level distant education programs

DIST_EDUC_UGN Undergraduate level distant education not offered

DIST_EDUC_GC Offers Graduate level distant education courses

DIST_EDUC_GP Offers Graduate level distant education programs

DIST_EDUC_GN Graduate level distant education not offered

DIST_EDUC_C Offers a course in which the instructional content is delivered exclusively via distance education

DIST_EDUC_P Offers Distant education programs offered

DIST_EDUC_UGCP Offers Undergraduate distance education opportunities

DIST_EDUC_GCP Offers Graduate distance education opportunities

DIST_EDUC_NA Does not offer distance education opportunities

DIST_EDUC_ALL Offers a program for which all the required coursework for program completion is able to be completed via distance education courses.

DISAB Percentage of all undergraduates enrolled in Fall 2019 who are formally registered as students with disabilities with the institution's office of disability services (or the equivalent office)(1 = 3 percent or less, 2 = More than 3 percent)

LIVE_ONCAMP First-time degree/certificate-seeking students required to live on campus or in institutionally-controlled housing

TUITVARY Charges different tuition for in-district, in-state, or out-of-state students

ROOM Provides on-campus housing

ROOMCAP Dormitory capacity - The maximum number of students that the institution can provide residential facilities for, whether on or off campus. (off-campus dormitory space that is reserved by the institution).

BOARD Provides board or meal plans to students (1 = Yes, number of meals in the maximum meal plan offered, 2 = Yes, number of meals per week can vary)

MEALSWK Number of meals per week in the maximum meal plan offered

ROOM_PRICE Typical room charges for a student for the full academic year 2018-19

BOARD_PRICE Typical board charges for a student for the full academic year 2018-19

R_B_PRICE Typical room and board charges for a student for the full academic year 2018-19. (applicable only if institution CANNOT separate room and board charges.)

APPLFEEU Undergraduate application fee amount

APPLFEEG Graduate application fee amount

NAA Member of National Athletic Association

NCAA Member of National Collegiate Athletic Association (NCAA)

NAIA Member of National Association of Intercollegiate Athletics (NAIA)

NJCAA Member of National Junior College Athletic Association (NJCAA)

NSCAA Member of National Small College Athletic Association (NSCAA)

NCCAA Member of National Christian College Athletic Association (NCCAA)

AA_NA Member of Other, not one of the above associations

MEM_FOOTBALL NCAA or NAIA member for football

CON_FOOTBALL NCAA or NAIA member for football, conference specified (See `conference` dataset for more details.)

MEM_BASKETBALL NCAA or NAIA member for basketball

CON_BASKETBALL NCAA or NAIA member for basketball, conference specified (See `conference` dataset for more details.)

MEM_BASEBALL NCAA or NAIA member for baseball

CON_BASEBALL NCAA or NAIA member for baseball, conference specified (See `conference` dataset for more details.)

MEM_TRACK NCAA or NAIA member for cross country/track

CON_TRACK NCAA or NAIA member for cross country/track, conference specified (See `conference` dataset for more details.)

Details

Provisional release data have undergone all NCES data quality control procedures. Data are imputed for nonresponding institutions.

Note: Unless otherwise defined, 1 = Yes; 0 = Implied No; -1 = Not Reported; and -2 = Not Applicable

Source

Download from Integrated Postsecondary Education Data System, `https://nces.ed.gov/ipeds/datacenter/data/IC2021.zip`.

---

read_data *Function for importing raw data from IPEDS*

Description

Outputs data frame with desired information directly from IPEDS

Usage

```
read_data(dataset)
```

Arguments

dataset   (character) abbreviation of dataset from IPEDS. For the list of all possible datasets to import, visit the IPEDS datacenter and refer to the `Data File` column.

Value

A dataframe with desired information

Examples

```
read_data("IC2021")
```

---

relig_aff   *Religious Affiliations Data*

Description

This file contains the details for religious affiliations in the Offerings 2021 (`offerings2021`) dataset.

Usage

```
relig_aff
```

Format

A data frame of 64 rows representing religious affiliations and 2 variables

Numeric_Code Numeric code representing a religious affiliation

Religious_Affiliation Explanation of numeric code

---

school_preferences   *Function for Selecting Institution by Preferences*

Description

Lists the names of institutions that fit inputted preferences

Usage

```
school_preferences(
  financial_aid = 0,
  size = -Inf,
  region = NULL,
  diversity_students = 0,
  diversity_staff = 0,
  disabled = 0,
  affiliation = -Inf,
  relig_affil = NULL,
  calsys = NULL,
  openadmp = -Inf,
  vet_programs = NULL,
  alt_credits = NULL,
  yrscoll = -Inf,
  counsel_service = NULL,
  employ_service = NULL,
  daycare_service = NULL,
  alt_tuition = NULL,
```

```
    dist_educ = NULL,
    live_oncamp = -Inf,
    room_price = 0,
    board_price = 0,
    app_fee = 0
)
```

Arguments

`financial_aid`	(numeric) Percent of undergraduate students awarded aid.
`size`	(numeric) Amount of Students attending the institution. (-4 = Any Size; 1 = Under 1,000; 2 = 1,000 - 4,999; 3 = 5,000 - 9,999; 4 = 10,000 - 19,999; 5 = 20,000 and above; -1 = Not reported; -2 = Not applicable)
`region`	(character) Region the institution resides.
`diversity_students`	
	(numeric) Percent of non-white students. Returns inputted percent and higher.
`diversity_staff`	
	(numeric) Percent of non-white staff. Returns inputted percent and higher.
`disabled`	(numeric) Percent of disabled students. Returns inputted percent and higher.
`affiliation`	(numeric) Institutional affiliation. (1 = Public, 2 = Private for-profit, 3 = Private not-for-profit (no religious affiliation), 4 = Private not-for-profit (religious affiliation))
`relig_affil`	(numeric) Indicates religious affiliation (denomination) for private not-for-profit institutions that are religiously affiliated. (See `relig_aff` dataset for more information.)
`calsys`	(numeric) Standard academic term (1 = Semester, 2 = Quarter, 3 = Trimester, 4 = Four-one-four plan, 5 = Other academic year, 6 = Differs by program, 7 = Continuous, -2 = Not applicable)
`openadmp`	(numeric) OPEN ADMISSION - Admission policy whereby the school will accept any student who applies. (1 = Yes, 2 = No)
`vet_programs`	(character) Programs offered to Veterans ("Yes" or blank)
`alt_credits`	(character) Alternate credits taken by institution ("Yes" or blank)
`yrscoll`	(numeric) Years of completed college-level work are required for entrance (1 = One, 2 = Two, 3 = Three, 4 = Four, 5 = Five, 6 = Six, 8 = Eight, -1 = Not reported, -2 = Not applicable)
`counsel_service`	
	(character) Offers activities designed to assist students in making plans and decisions related to their education, career, or personal development. ("Yes" or blank)
`employ_service`	(character) Offers activities intended to assist students in obtaining part-time employment as a means of defraying part of the cost of their education. ("Yes" or blank)
`daycare_service`	
	(character) Offers A student service designed to provide appropriate care and protection of infants, preschool, and school-age children so their parents can participate in postsecondary education programs. ("Yes" or blank)

alt_tuition	(character) Offers alternative tuition plans ("Yes" or blank)
dist_educ	(character) Offers distance education opportunities ("Yes" or blank)
live_oncamp	(numeric) First-time degree/certificate-seeking students required to live on campus or in institutionally-controlled housing ("Yes" or blank)
room_price	(numeric) Price for room (0-9990)
board_price	(numeric) Price for board (0-9760)
app_fee	(numeric) Price for application fee (0-99)

Value

A data frame of the institution that fit inputted preferences. For arguments that represent percentages, the user can expect institutions that meet that percentage or higher; for arguments that represent amounts, the user can expect institutions that meet that amount or lower.

Examples

```
school_preferences(size = 2, alt_credits = "Yes", diversity_students = 30, diversity_staff = 20)
school_preferences(size = 3, daycare_service = "Yes", app_fee = 50, region = "Southeast")
```

---

staff2021   *Staff 2021 Data*

Description

This file contains the number of full-time instructional staff on the payroll of the institution as of November 1, by faculty and tenure status, academic rank, race/ethnicity and gender. This file has multiple records per institution. Each record is uniquely defined by the variables IPEDS ID (INSTIUTION_ID). These data are applicable to degree-granting institutions with 15 or more full-time employees and related administrative offices.

Usage

```
staff2021
```

Format

A data frame of 63,625 rows representing full-time instructional staff on the payroll of the institution and 34 variables

INSTITUTION_ID Unique identification number of the institution

STAFF_CAT Staff Category (Refer to `staff_cat` dataset for more details.)

FACSTAT Faculty and tenure status (0 = All full-time instructional staff; 10 = With faculty status, total; 20 = With faculty status, tenured; 30 = With faculty status, on tenure track; 40 = With faculty status not on tenure track/No tenure system, total; 41 = With faculty status not on tenure track/No tenure system, multi-year and indefinite contract; 44 = With faculty status not on tenure track/No tenure system, multi-year contract; 45 = With faculty status not on tenure

track/No tenure system, indefinite contract; 42 = With faculty status not on tenure track/No tenure system, annual contract; 43 = With faculty status not on tenure track/No tenure system, less-than-annual contract; 50 = Without faculty status)

ARANK Academic rank: a factor with 7 levels: `All ranks`, `Professors`, `Associate professors`, `Assistant professors`, `Instructors`, `Lecturers` and `No academic rank`Academic rank

TOTAL Grand total individuals

TOTAL_M Grand total men

TOTAL_W Grand total women

NATIVE_TOTAL American Indian or Alaska Native total

NATIVE_MEN American Indian or Alaska Native men

NATIVE_WOMEN American Indian or Alaska Native women

ASIAN_TOTAL Asian total

ASIAN_M Asian men

ASIAN_W Asian men

BLACK_TOTAL Black or African American total

BLACK_M Black or African American men

BLACK_W Black or African American women

HISP_TOTAL Hispanic or Latino total

HISP_M Hispanic or Latino men

HISP_W Hispanic or Latino women

NHPI_TOTAL Native Hawaiian or Other Pacific Islander total

NHPI_M Native Hawaiian or Other Pacific Islander men

NHPI_W Native Hawaiian or Other Pacific Islander women

WHITE_TOTAL White total

WHITE_M White men

WHITE_W White women

MULT_TOTAL Two or more races total

MULT_M Two or more races men

MULT_W Two or more races women

UNKNOWN_TOTAL Race/ethnicity unknown total

UNKNOWN_M Race/ethnicity unknown men

UNKNOWN_W Race/ethnicity unknown women

NRA_TOTAL Nonresident alien total

NRA_M Nonresident alien men

NRA_W Nonresident alien women

Details

Provisional release data have undergone all NCES data quality control procedures. Data are imputed for nonresponding institutions.

Source

Download from Integrated Postsecondary Education Data System, `https://nces.ed.gov/ipeds/datacenter/data/S2021_IS.zip`.

---

staff_cat   *Staff Categories Data*

Description

This file contains the details for staff categories in the Staff 2021 (`staff2021`) dataset.

Usage

    staff_cat

Format

A data frame of 65 rows representing staff categories and 2 variables

Numeric_Code Numeric code representing a staff category

Category Explanation of numeric code

Index