LEVERAGING THE CARNEGIE CLASSIFICATIONS

VICTOR M. H. BORDEN
PROFESSOR OF HIGHER EDUCATION
DIRECTOR, CCIHE
Overview

• The Carnegie Classifications®
  • A brief review
  • The 2018 Update
  • Other than IR Uses

• IR Uses of the Carnegie Classifications
  • Identifying peer institutions
  • Benchmarking analyses

• The Carnegie Classifications and IPEDS
  • Basis upon and residence within IPEDS
  • Moving data from CCIHE to the IPEDS Data Center
PART 1 – THE CARNEGIE CLASSIFICATIONS®

Brief history, current structure, 2018 update and non-IR Uses
Carnegie Classifications – Original Purpose

• ...identify categories of colleges and universities that would be relatively homogeneous with respect to the functions of the institutions as well as with respect to characteristics of students and faculty members

• Shorthand for quickly characterizing an institution

• Government policy: system differentiation and resource allocation

• Help prospective students or staff members identify the pool of institutions they might wish to join

• Research uses: sampling, data analysis, or both
Update History of the Carnegie Classification

• Carnegie Commission for Higher Education
  • 1973 – Initial release to public
  • 1976 – Update by original team

• The Boyer Years – Still episodic
  • 1987
  • 1994

• The McCormick / Zhao years – periodic and consistent
  • 2000 – Attempt to downsize Research/Doctoral to 2 categories
  • 2005 – Back to 3 R/D categories; introduce Associate’s (14) categories; new “dimensional” classifications
  • 2010 – Chun-Mei Zhao implements without changes
Carnegie Classification Evolution

• Five parallel classifications added in 2005
  • Framework: What is taught, to whom, in what setting?
    • Undergraduate instructional program
    • Graduate instructional program
    • Enrollment profile
    • Undergraduate profile
    • Size & Setting

• Legacy (basic) classification evolves slowly, continues its dominance in framing institutional diversity in the US
The IU-CPR Years, 2015 - ??

- 2015 – (Jan. 1) Classifications move to IU Center for Postsecondary Research
  - Funded for four years by The Lumina Foundation
  - Borden, Wakhungu, and Stewart
  - Advisory group
    - Martha Kanter, Distinguished Visiting Professor of Higher Education and Senior Fellow, NYU
    - Kevin Kinser, Professor and Chair, Education Policy Studies, Penn State University
    - Deborah Santucci, Chief Operating Officer and Vice President for Policy, Excelencia in Education
    - Jamey Rorison, Bill & Melinda Gates Foundation
    - Paul, LeMahieu, Senior Vice President, Program, Carnegie Foundation for the Advancement of Teaching

- 2015 – (Dec. 24) First CPR Update
  - Re-crafting Associate’s Categories based on program and population mix
  - Decision to move to 3-year update cycle
The Project Team

Vic Borden  
Project Director  
vborden@iu.edu

Phoebe Khasiala Wakhungu  
Project Manager  
pwakhung@indiana.edu

Christopher Stewart  
Project Research Assistant  
chmistew@umail.iu.edu

Hien Nguyen  
Webmaster  
hbnguyen@indiana.edu

Dave Fowler  
Volunteer Research Associate  
University of Oregon  
dcfowler@uoregon.edu
Changes in 2015

• Baccalaureate/Associate's Colleges
  • Mixed baccalaureate/associate's colleges (10-<50% BA+)
  • Associate's Dominant (<10% BA+)

• Associate's Colleges

<table>
<thead>
<tr>
<th>Program mix/Student Mix</th>
<th>High Traditional</th>
<th>Mixed</th>
<th>High Non-Traditional</th>
</tr>
</thead>
<tbody>
<tr>
<td>High Transfer</td>
<td>Hi Trans/High Trad</td>
<td>Hi Trans/Mixed</td>
<td>High Trans/Hi Non-Trad</td>
</tr>
<tr>
<td>Mixed</td>
<td>Mixed / High Trad</td>
<td>Mixed/Mixed</td>
<td>Mixed/Hi Non-Trad</td>
</tr>
<tr>
<td>High Career &amp; Technical</td>
<td>Hi CT/Hi Trad</td>
<td>Hi CT/Mixed</td>
<td>Hi CT / Hi Non Trad</td>
</tr>
<tr>
<td>Type</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>---</td>
<td>---</td>
<td>---</td>
<td>---</td>
</tr>
<tr>
<td>Doctoral-Granting Universities</td>
<td>Doctoral/Research Universities</td>
<td>Doctoral/Research Universities</td>
<td>Doctoral/Research Universities</td>
</tr>
<tr>
<td>Research Universities I</td>
<td>Research Universities I</td>
<td>Research Universities I</td>
<td>Research Universities I</td>
</tr>
<tr>
<td>Research Universities II</td>
<td>Research Universities II</td>
<td>Research Universities II</td>
<td>Research Universities II</td>
</tr>
<tr>
<td>Doctoral-Granting Universities I</td>
<td>Doctoral-Granting Universities</td>
<td>Doctoral-Granting Universities</td>
<td>Doctoral-Granting Universities</td>
</tr>
<tr>
<td>Doctoral-Granting Universities II</td>
<td>Doctoral-Granting Universities</td>
<td>Doctoral-Granting Universities</td>
<td>Doctoral-Granting Universities</td>
</tr>
<tr>
<td>Comprehensive Universities and Colleges</td>
<td>Master's (Comprehensive) Colleges and Universities</td>
<td>Master's Colleges and Universities</td>
<td>Master's Colleges and Universities</td>
</tr>
<tr>
<td>Comprehensive Universities and Colleges I</td>
<td>Master's Colleges and Universities</td>
<td>Master's Colleges and Universities</td>
<td>Master's Colleges and Universities</td>
</tr>
<tr>
<td>Comprehensive Universities and Colleges II</td>
<td>Master's (Comprehensive) Colleges and Universities</td>
<td>Master's Colleges and Universities</td>
<td>Master's Colleges and Universities</td>
</tr>
<tr>
<td>Comprehensive Universities and Colleges III</td>
<td>Master's (Comprehensive) Colleges and Universities</td>
<td>Master's Colleges and Universities</td>
<td>Master's Colleges and Universities</td>
</tr>
<tr>
<td>Liberal Arts Colleges</td>
<td>Baccalaureate Colleges</td>
<td>Baccalaureate Colleges</td>
<td>Baccalaureate Colleges</td>
</tr>
<tr>
<td>Liberal Arts Colleges I</td>
<td>Baccalaureate (Liberal Arts) Colleges I</td>
<td>Baccalaureate (Liberal Arts) Colleges I</td>
<td>Baccalaureate (Liberal Arts) Colleges I</td>
</tr>
<tr>
<td>Liberal Arts Colleges II</td>
<td>Baccalaureate Colleges II</td>
<td>Baccalaureate Colleges II</td>
<td>Baccalaureate Colleges II</td>
</tr>
<tr>
<td>Complete Universities and Colleges</td>
<td>Baccalaureate/Associate's Colleges</td>
<td>Baccalaureate/Associate's Colleges</td>
<td>Baccalaureate/Associate's Colleges</td>
</tr>
<tr>
<td>Complete Universities and Colleges I</td>
<td>Baccalaureate/Associate's Colleges</td>
<td>Baccalaureate/Associate's Colleges</td>
<td>Baccalaureate/Associate's Colleges</td>
</tr>
<tr>
<td>Complete Universities and Colleges II</td>
<td>Baccalaureate/Associate's Colleges</td>
<td>Baccalaureate/Associate's Colleges</td>
<td>Baccalaureate/Associate's Colleges</td>
</tr>
<tr>
<td>Two-Year Colleges and Institutes</td>
<td>Associate of Arts Colleges</td>
<td>Associate of Arts Colleges</td>
<td>Associate of Arts Colleges</td>
</tr>
<tr>
<td>Associate of Arts Colleges I</td>
<td>Associate of Arts Colleges</td>
<td>Associate of Arts Colleges</td>
<td>Associate of Arts Colleges</td>
</tr>
<tr>
<td>Associate of Arts Colleges II</td>
<td>Associate of Arts Colleges</td>
<td>Associate of Arts Colleges</td>
<td>Associate of Arts Colleges</td>
</tr>
<tr>
<td>Professional Schools and Other Spec. Institutions</td>
<td>Specialized Institutions</td>
<td>Specialized Institutions</td>
<td>Specialized Institutions</td>
</tr>
<tr>
<td>Theological seminaries, Bible colleges and other institutions offering degrees in religion</td>
<td>Theological seminaries, Bible colleges and other institutions offering degrees in religion</td>
<td>Theological seminaries and other faith-related institutions</td>
<td>Theological seminaries and other faith-related institutions</td>
</tr>
<tr>
<td>Medical schools and medical centers</td>
<td>Medical schools and medical centers</td>
<td>Medical schools and medical centers</td>
<td>Medical schools and medical centers</td>
</tr>
<tr>
<td>Other separate health professional schools</td>
<td>Other separate health professional schools</td>
<td>Other separate health professional schools</td>
<td>Other separate health professional schools</td>
</tr>
<tr>
<td>Schools of engineering and technology</td>
<td>Schools of engineering and technology</td>
<td>Schools of engineering and technology</td>
<td>Schools of engineering and technology</td>
</tr>
<tr>
<td>Schools of business and management</td>
<td>Schools of business and management</td>
<td>Schools of business and management</td>
<td>Schools of business and management</td>
</tr>
<tr>
<td>Schools of art, music, and design</td>
<td>Schools of art, music, and design</td>
<td>Schools of art, music, and design</td>
<td>Schools of art, music, and design</td>
</tr>
<tr>
<td>Schools of law</td>
<td>Schools of law</td>
<td>Schools of law</td>
<td>Schools of law</td>
</tr>
<tr>
<td>Teachers College</td>
<td>Teachers College</td>
<td>Teachers College</td>
<td>Teachers College</td>
</tr>
<tr>
<td>Tribal Colleges and Universities</td>
<td>Tribal Colleges</td>
<td>Tribal Colleges</td>
<td>Tribal Colleges</td>
</tr>
</tbody>
</table>
The 2018 Update

- Public Review Release – December 18, 2019
- Data Sources
  - 2016-17 IPEDS Completions
  - 2017 IPEDS Enrollment, Human Resources
  - FY2016 NSF/NIH GSS (Postgraduates and Non-Faculty PhD Research Staff)
  - FY2017 NSF HERD (Research Expenditures)
- Major change
  - Reshaping the Doctoral Universities Categories
  - Accommodating professional practice doctorates in the third category
## The 2018 Update

<table>
<thead>
<tr>
<th>2005/2010</th>
<th>2015</th>
<th>2018</th>
</tr>
</thead>
<tbody>
<tr>
<td>RU/VH: Research Universities (very high research activity)</td>
<td>R1: Doctoral Universities-Highest Research Activity</td>
<td>R1: Doctoral Universities-Very High Research Activity</td>
</tr>
<tr>
<td>RU/H: Research Universities (high research activity)</td>
<td>R2: Doctoral Universities-Higher Research Activity</td>
<td>R2: Doctoral Universities-High Research Activity</td>
</tr>
<tr>
<td>DRU: Doctoral/Research Universities</td>
<td>R3: Doctoral Universities: Moderate Research Activity</td>
<td>D/PU: Doctoral/Professional Universities</td>
</tr>
</tbody>
</table>
## Distribution of Institutions and Enrollment

<table>
<thead>
<tr>
<th>Type</th>
<th>Number</th>
<th>Enrollment</th>
<th>% Institutions</th>
<th>% Enrollment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Doctoral Universities</td>
<td>418</td>
<td>7,249,189</td>
<td>10%</td>
<td>36%</td>
</tr>
<tr>
<td>Master's Colleges and Universities</td>
<td>682</td>
<td>3,928,100</td>
<td>16%</td>
<td>20%</td>
</tr>
<tr>
<td>Baccalaureate Colleges</td>
<td>576</td>
<td>901,334</td>
<td>5%</td>
<td>13%</td>
</tr>
<tr>
<td>Baccalaureate/Associates Colleges</td>
<td>262</td>
<td>1,270,740</td>
<td>6%</td>
<td>6%</td>
</tr>
<tr>
<td>Associates Colleges</td>
<td>999</td>
<td>5,769,238</td>
<td>6%</td>
<td>23%</td>
</tr>
<tr>
<td>Special Focus, Two-Year</td>
<td>432</td>
<td>183,775</td>
<td>1%</td>
<td>10%</td>
</tr>
<tr>
<td>Special Focus, Four-Year</td>
<td>919</td>
<td>704,404</td>
<td>4%</td>
<td>21%</td>
</tr>
<tr>
<td>Tribal Colleges</td>
<td>34</td>
<td>16,424</td>
<td>0.8%</td>
<td>0.1%</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>4,322</td>
<td>20,023,204</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
CCIHE – Other than IR Uses

• State legislation – funding allocations
  • Research intensive universities for research investments (R1/R2)
• Grant eligibility and funding rates
• Membership eligibility
  • Association of Research Libraries (R1/R2)
• Legitimacy of credential
  • Germany – legal use of title, “Doktor” (R1/R2)
  • U.S. States (Georgia/Nevada) – teacher licensing (out of state institutions, if not accredited program, R1/R2)
• US News & World Report Ranking Categories
### USNWR Rankings

<table>
<thead>
<tr>
<th>US News Category</th>
<th>CCIHE Category</th>
</tr>
</thead>
<tbody>
<tr>
<td>National Universities</td>
<td>Doctoral Universities (all 3 categories...thus far)</td>
</tr>
<tr>
<td>National Liberal Arts Colleges</td>
<td>Baccalaureate Colleges – Arts &amp; Science Focus</td>
</tr>
<tr>
<td>Regional Universities</td>
<td>Master’s Colleges &amp; Universities (all 3 categories)</td>
</tr>
<tr>
<td>Regional Colleges</td>
<td>Other Baccalaureate Colleges (Diverse Fields, Bacc/Assoc)</td>
</tr>
</tbody>
</table>
PART 2 – IR USES OF THE CCIHE

Identifying peer institutions and benchmarking analyses
AIR Member Survey (2016)

• Use of the basic and other classifications

<table>
<thead>
<tr>
<th></th>
<th>Basic</th>
<th>Undergrad Instruct Program</th>
<th>Graduate Instruct Program</th>
<th>Enrollment Profile</th>
<th>Undergrad Profile</th>
<th>Size and Setting</th>
</tr>
</thead>
<tbody>
<tr>
<td>Never</td>
<td>13%</td>
<td>38%</td>
<td>56%</td>
<td>32%</td>
<td>33%</td>
<td>26%</td>
</tr>
<tr>
<td>Few times a year</td>
<td>75%</td>
<td>56%</td>
<td>40%</td>
<td>60%</td>
<td>57%</td>
<td>61%</td>
</tr>
<tr>
<td>Monthly</td>
<td>7%</td>
<td>1%</td>
<td>0%</td>
<td>4%</td>
<td>6%</td>
<td>8%</td>
</tr>
<tr>
<td>Weekly</td>
<td>1%</td>
<td>3%</td>
<td>3%</td>
<td>4%</td>
<td>3%</td>
<td>2%</td>
</tr>
<tr>
<td>Daily</td>
<td>3%</td>
<td>0%</td>
<td>0%</td>
<td>0%</td>
<td>0%</td>
<td>2%</td>
</tr>
</tbody>
</table>
## AIR Member Survey (2016)

<table>
<thead>
<tr>
<th>Purposes of Use</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Identify peer institutions</td>
<td>71%</td>
</tr>
<tr>
<td>Conduct benchmarking studies</td>
<td>48%</td>
</tr>
<tr>
<td>Support strategic planning for an institution</td>
<td>31%</td>
</tr>
<tr>
<td>Conduct environmental scanning study</td>
<td>18%</td>
</tr>
<tr>
<td>Accreditation review preparation</td>
<td>18%</td>
</tr>
<tr>
<td>Conduct scholarly research</td>
<td>13%</td>
</tr>
<tr>
<td>I don’t use the Carnegie Classification data</td>
<td>9%</td>
</tr>
</tbody>
</table>
AIR Member Survey (2016)

• Respondents’ suggestions on how to improve CCIHE
  • **Update the CCIHE**
    • Update more frequently
    • More institutional benchmarking tools
    • Readily accessible database with filters and statistical/graphic output
    • Classify for-profit institutions into different types
    • Include forward analyses
    • Use more national metrics to compare community colleges
  
• **Other comments**
  • **Broaden awareness**
    • CCIHE
    • CCIHE web site
  • **Ranking**
    • CCIHE is **not** a ranking classification
Identifying Peers/Benchmarking with CCIHE

Live Demo

• Finding similar Institutions
• Using the standard and custom listings
• Filtering lists

• Reproducing the Research Activity Index
• Using the Public Data File
PART 3 – THE CARNEGIE CLASSIFICATIONS AND IPEDS

Basis upon and residence within IPEDS; Moving data from CCIHE to the IPEDS Data Center
CCIHE in IPEDS

- Institutional Characteristics: Institution classifications

- Carnegie Classification 2015: Basic (beginning 2015-16)
- Carnegie Classification 2015: Undergraduate Instructional Program (beginning 2015-16)
- Carnegie Classification 2015: Graduate Instructional Program (beginning 2015-16)
- Carnegie Classification 2015: Undergraduate Profile (beginning 2015-16)
- Carnegie Classification 2015: Enrollment Profile (beginning 2015-16)
- Carnegie Classification 2015: Size and Setting (beginning 2015-16)
CCIHE in IPEDS

- Also within EZGroup (Basic Classification only)
## CCIHE and IPEDS Source Data

<table>
<thead>
<tr>
<th>Classification</th>
<th>IPEDS variables</th>
</tr>
</thead>
<tbody>
<tr>
<td>Basic</td>
<td>Completions by level and CIP</td>
</tr>
<tr>
<td>Undergraduate Instructional Program</td>
<td>Institutional level (IC), and program mix (Completions by CIP within level)</td>
</tr>
<tr>
<td>Graduate Instructional Program</td>
<td>Types of grad degrees and program mix (Completions by degree type and mix)</td>
</tr>
<tr>
<td>Enrollment Profile</td>
<td>Institution level (IC), enrollment by level (Fall Enr),</td>
</tr>
<tr>
<td>Undergraduate Profile</td>
<td>Institution level (IC), enrollment by course load (Fall Enr), selectivity</td>
</tr>
<tr>
<td>Size and Setting</td>
<td>Institution level (IC), enrollment size (Fall Enr), residential status (IC student charges + College Board)</td>
</tr>
</tbody>
</table>
Other Than IPEDS Source Data

- NSF – For Research Volume
  - Higher Education R&D for Expenditures
  - S&E Research Staff (Postdocs and NFR)
- College Board Annual Survey *(Not Used in 2018 Update)*
  - Special focus
  - Selectivity
  - Transfer volume
  - Residential character
Using CCIHE Generated Lists in IPEDS Data Center

LIVE DEMO
New Feature – Download UID File

• Example using “Find Similar”

**Indiana University-Bloomington**

_Bloomington, Indiana_

<table>
<thead>
<tr>
<th>Level</th>
<th>4-year or above</th>
</tr>
</thead>
<tbody>
<tr>
<td>Control</td>
<td>Public</td>
</tr>
<tr>
<td>Student Population</td>
<td>46,416</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Classification</th>
<th>Category</th>
</tr>
</thead>
<tbody>
<tr>
<td>Basic</td>
<td>Doctoral Universities: Highest Research Activity</td>
</tr>
<tr>
<td>Undergraduate Instructional Program</td>
<td>Balanced arts &amp; sciences/professions, high graduate coexistence</td>
</tr>
<tr>
<td>Graduate Instructional Program</td>
<td>Research Doctoral: Comprehensive programs, no medical/veterinary school</td>
</tr>
<tr>
<td>Enrollment Profile</td>
<td>High undergraduate</td>
</tr>
<tr>
<td>Undergraduate Profile</td>
<td>Four-year, full-time, more selective, lower transfer-in</td>
</tr>
<tr>
<td>Size and Setting</td>
<td>Four-year, large, primarily residential</td>
</tr>
</tbody>
</table>
# Resulting List

27 results for Graduate Instructional Program = "Research Doctoral" and Basic = "Doctoral Universities" and Control = "Public"

<table>
<thead>
<tr>
<th>Institution</th>
<th>Location</th>
<th>Control</th>
</tr>
</thead>
<tbody>
<tr>
<td>Arizona State University-Tempe</td>
<td>Tempe, Arizona</td>
<td>Public</td>
</tr>
<tr>
<td>Clemson University</td>
<td>Clemson, South Carolina</td>
<td>Public</td>
</tr>
<tr>
<td>CUNY Graduate School and University Center</td>
<td>New York, New York</td>
<td>Public</td>
</tr>
<tr>
<td>George Mason University</td>
<td>Fairfax, Virginia</td>
<td>Public</td>
</tr>
<tr>
<td>Georgia Institute of Technology-Main Campus</td>
<td>Atlanta, Georgia</td>
<td>Public</td>
</tr>
<tr>
<td>Georgia State University</td>
<td>Atlanta, Georgia</td>
<td>Public</td>
</tr>
<tr>
<td>Indiana University-Bloomington</td>
<td>Bloomington, Indiana</td>
<td>Public</td>
</tr>
<tr>
<td>Pennsylvania State University-Main Campus</td>
<td>University Park, Pennsylvania</td>
<td>Public</td>
</tr>
<tr>
<td>SUNY at Albany</td>
<td>Albany, New York</td>
<td>Public</td>
</tr>
</tbody>
</table>
## Compare Institutions

### 1. Select Institutions

- **My Comparison Institution**: None Selected

### 2. Select Variables

- **Select Institutions**: You have selected 27 institution(s)

### How would you like to select institutions to include in your data file/report? 

- By Names or UnitIds
- By Groups
- By Variables
- By Uploading a File

### My Institutions

<table>
<thead>
<tr>
<th>ID</th>
<th>Institution Name</th>
<th>City</th>
<th>State</th>
</tr>
</thead>
<tbody>
<tr>
<td>139755</td>
<td>George Institute of Technology - Main Campus</td>
<td>Atlanta</td>
<td>GA</td>
</tr>
<tr>
<td>228787</td>
<td>The University of Texas at Dallas</td>
<td>Richardson</td>
<td>TX</td>
</tr>
<tr>
<td>166529</td>
<td>University of Massachusetts-Amherst</td>
<td>Amherst</td>
<td>MA</td>
</tr>
<tr>
<td>139940</td>
<td>Georgia State University</td>
<td>Atlanta</td>
<td>GA</td>
</tr>
<tr>
<td>105397</td>
<td>University of Arkansas</td>
<td>Fayetteville</td>
<td>AR</td>
</tr>
<tr>
<td>181464</td>
<td>University of Nebraska-Lincoln</td>
<td>Lincoln</td>
<td>NE</td>
</tr>
<tr>
<td>151351</td>
<td>Indiana University-Bloomington</td>
<td>Bloomington</td>
<td>IN</td>
</tr>
<tr>
<td>110835</td>
<td>University of California-Berkeley</td>
<td>Berkeley</td>
<td>CA</td>
</tr>
<tr>
<td>227216</td>
<td>University of North Texas</td>
<td>Denton</td>
<td>TX</td>
</tr>
<tr>
<td>100576</td>
<td>CUNY Graduate School and University Center</td>
<td>New York</td>
<td>NY</td>
</tr>
<tr>
<td>228769</td>
<td>The University of Texas at Arlington</td>
<td>Arlington</td>
<td>TX</td>
</tr>
<tr>
<td>126614</td>
<td>University of Colorado Boulder</td>
<td>Boulder</td>
<td>CO</td>
</tr>
<tr>
<td>214777</td>
<td>Pennsylvania State University - Main Campus</td>
<td>University Park</td>
<td>PA</td>
</tr>
</tbody>
</table>
Add Variables of Interest

<table>
<thead>
<tr>
<th>A</th>
<th>Unit ID</th>
<th>Institution Name</th>
<th>B</th>
<th>Total Enrollment (DRVEF2015)</th>
<th>C</th>
<th>Percent of total enrollment that are Nonresident Alien (DRVEF2015)</th>
<th>D</th>
<th>Percent of undergraduate enrollment that are Nonresident Alien (DRVEF2015)</th>
<th>E</th>
<th>Percent of graduate enrollment that are Nonresident Alien (DRVEF2015)</th>
<th>F</th>
<th>Percent of graduate enrollment that are Nonresident Alien (DRVEF2015)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>104151</td>
<td>Arizona State University-Tempe</td>
<td>2</td>
<td>51384</td>
<td>17</td>
<td>13</td>
<td>35</td>
<td>13</td>
<td>30</td>
<td>17</td>
<td>12</td>
<td>17</td>
</tr>
<tr>
<td>2</td>
<td>217882</td>
<td>Clemson University</td>
<td>3</td>
<td>22668</td>
<td>7</td>
<td>1</td>
<td>26</td>
<td>1</td>
<td>16</td>
<td>12</td>
<td>39</td>
<td>12</td>
</tr>
<tr>
<td>3</td>
<td>190576</td>
<td>CUNY Graduate School and University Center</td>
<td>4</td>
<td>694</td>
<td>13</td>
<td>2</td>
<td>17</td>
<td>2</td>
<td>4</td>
<td>12</td>
<td>4</td>
<td>12</td>
</tr>
<tr>
<td>4</td>
<td>252186</td>
<td>George Mason University</td>
<td>5</td>
<td>33292</td>
<td>7</td>
<td>5</td>
<td>12</td>
<td>5</td>
<td>8</td>
<td>12</td>
<td>8</td>
<td>12</td>
</tr>
<tr>
<td>5</td>
<td>139755</td>
<td>Georgia Institute of Technology-Main Campus</td>
<td>6</td>
<td>25084</td>
<td>22</td>
<td>11</td>
<td>39</td>
<td>11</td>
<td>39</td>
<td>11</td>
<td>39</td>
<td>11</td>
</tr>
<tr>
<td>6</td>
<td>139440</td>
<td>Georgia State University</td>
<td>7</td>
<td>32068</td>
<td>5</td>
<td>2</td>
<td>16</td>
<td>2</td>
<td>16</td>
<td>2</td>
<td>16</td>
<td>2</td>
</tr>
<tr>
<td>7</td>
<td>151351</td>
<td>Indiana University-Bloomington</td>
<td>8</td>
<td>48514</td>
<td>13</td>
<td>10</td>
<td>26</td>
<td>10</td>
<td>26</td>
<td>10</td>
<td>26</td>
<td>10</td>
</tr>
<tr>
<td>8</td>
<td>214777</td>
<td>Pennsylvania State University-Main Campus</td>
<td>9</td>
<td>47307</td>
<td>15</td>
<td>11</td>
<td>41</td>
<td>11</td>
<td>41</td>
<td>11</td>
<td>41</td>
<td>11</td>
</tr>
<tr>
<td>9</td>
<td>190600</td>
<td>SUNY at Albany</td>
<td>10</td>
<td>17178</td>
<td>9</td>
<td>6</td>
<td>18</td>
<td>6</td>
<td>18</td>
<td>6</td>
<td>18</td>
<td>6</td>
</tr>
<tr>
<td>10</td>
<td>229115</td>
<td>Texas Tech University</td>
<td>11</td>
<td>38589</td>
<td>8</td>
<td>5</td>
<td>25</td>
<td>5</td>
<td>25</td>
<td>5</td>
<td>25</td>
<td>5</td>
</tr>
<tr>
<td>11</td>
<td>228769</td>
<td>The University of Texas at Arlington</td>
<td>12</td>
<td>41988</td>
<td>12</td>
<td>4</td>
<td>33</td>
<td>4</td>
<td>33</td>
<td>4</td>
<td>33</td>
<td>4</td>
</tr>
<tr>
<td>12</td>
<td>228778</td>
<td>The University of Texas at Austin</td>
<td>13</td>
<td>50950</td>
<td>10</td>
<td>5</td>
<td>26</td>
<td>5</td>
<td>26</td>
<td>5</td>
<td>26</td>
<td>5</td>
</tr>
<tr>
<td>13</td>
<td>228787</td>
<td>The University of Texas at Dallas</td>
<td>14</td>
<td>24554</td>
<td>24</td>
<td>3</td>
<td>59</td>
<td>3</td>
<td>59</td>
<td>3</td>
<td>59</td>
<td>3</td>
</tr>
<tr>
<td>14</td>
<td>106397</td>
<td>University of Arkansas</td>
<td>15</td>
<td>26754</td>
<td>6</td>
<td>4</td>
<td>16</td>
<td>4</td>
<td>16</td>
<td>4</td>
<td>16</td>
<td>4</td>
</tr>
<tr>
<td>15</td>
<td>110635</td>
<td>University of California-Berkeley</td>
<td>16</td>
<td>38189</td>
<td>17</td>
<td>14</td>
<td>24</td>
<td>14</td>
<td>24</td>
<td>14</td>
<td>24</td>
<td>14</td>
</tr>
<tr>
<td>16</td>
<td>110671</td>
<td>University of California-Riverside</td>
<td>17</td>
<td>21385</td>
<td>8</td>
<td>4</td>
<td>33</td>
<td>4</td>
<td>33</td>
<td>4</td>
<td>33</td>
<td>4</td>
</tr>
<tr>
<td>17</td>
<td>110705</td>
<td>University of California-Santa Barbara</td>
<td>18</td>
<td>23497</td>
<td>9</td>
<td>7</td>
<td>24</td>
<td>7</td>
<td>24</td>
<td>7</td>
<td>24</td>
<td>7</td>
</tr>
<tr>
<td>18</td>
<td>110714</td>
<td>University of California-Santa Cruz</td>
<td>19</td>
<td>17868</td>
<td>5</td>
<td>4</td>
<td>23</td>
<td>4</td>
<td>23</td>
<td>4</td>
<td>23</td>
<td>4</td>
</tr>
<tr>
<td>19</td>
<td>126614</td>
<td>University of Colorado Boulder</td>
<td>20</td>
<td>13056</td>
<td>8</td>
<td>6</td>
<td>19</td>
<td>6</td>
<td>19</td>
<td>6</td>
<td>19</td>
<td>6</td>
</tr>
<tr>
<td>20</td>
<td>130943</td>
<td>University of Delaware</td>
<td>21</td>
<td>22852</td>
<td>9</td>
<td>4</td>
<td>36</td>
<td>4</td>
<td>36</td>
<td>4</td>
<td>36</td>
<td>4</td>
</tr>
<tr>
<td>21</td>
<td>225511</td>
<td>University of Houston</td>
<td>22</td>
<td>42704</td>
<td>10</td>
<td>5</td>
<td>31</td>
<td>5</td>
<td>31</td>
<td>5</td>
<td>31</td>
<td>5</td>
</tr>
<tr>
<td>22</td>
<td>166629</td>
<td>University of Massachusetts-Amherst</td>
<td>23</td>
<td>25869</td>
<td>9</td>
<td>4</td>
<td>24</td>
<td>4</td>
<td>24</td>
<td>4</td>
<td>24</td>
<td>4</td>
</tr>
<tr>
<td>23</td>
<td>181446</td>
<td>University of Nebraska-Lincoln</td>
<td>24</td>
<td>25260</td>
<td>10</td>
<td>8</td>
<td>19</td>
<td>8</td>
<td>19</td>
<td>8</td>
<td>19</td>
<td>8</td>
</tr>
<tr>
<td>24</td>
<td>227216</td>
<td>University of North Texas</td>
<td>25</td>
<td>37299</td>
<td>7</td>
<td>4</td>
<td>19</td>
<td>4</td>
<td>19</td>
<td>4</td>
<td>19</td>
<td>4</td>
</tr>
<tr>
<td>25</td>
<td>207500</td>
<td>University of Oklahoma-Norman Campus</td>
<td>26</td>
<td>27428</td>
<td>7</td>
<td>5</td>
<td>14</td>
<td>5</td>
<td>14</td>
<td>5</td>
<td>14</td>
<td>5</td>
</tr>
<tr>
<td>26</td>
<td>209551</td>
<td>University of Oregon</td>
<td>27</td>
<td>24052</td>
<td>14</td>
<td>14</td>
<td>12</td>
<td>14</td>
<td>12</td>
<td>14</td>
<td>12</td>
<td>14</td>
</tr>
<tr>
<td>27</td>
<td>240453</td>
<td>University of Wisconsin-Milwaukee</td>
<td>28</td>
<td>26726</td>
<td>6</td>
<td>4</td>
<td>15</td>
<td>4</td>
<td>15</td>
<td>4</td>
<td>15</td>
<td>4</td>
</tr>
<tr>
<td>Institution Name</td>
<td>Total Enrollment</td>
<td>Undergraduate</td>
<td>Graduate</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>-------------------------------------------------------</td>
<td>------------------</td>
<td>---------------</td>
<td>----------</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>The University of Texas at Dallas</td>
<td>24,554 (19)</td>
<td>24 (1)</td>
<td>3 (24)</td>
<td>59 (1)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Georgia Institute of Technology-Main Campus</td>
<td>25,034 (18)</td>
<td>22 (2)</td>
<td>11 (4)</td>
<td>39 (3)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>University of California-Berkeley</td>
<td>38,189 (7)</td>
<td>17 (3)</td>
<td>14 (1)</td>
<td>24 (13)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Arizona State University-Tempe</td>
<td>51,984 (1)</td>
<td>17 (3)</td>
<td>13 (3)</td>
<td>35 (5)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pennsylvania State University-Main Campus</td>
<td>47,307 (4)</td>
<td>15 (5)</td>
<td>11 (4)</td>
<td>41 (2)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>University of Oregon</td>
<td>24,032 (20)</td>
<td>14 (6)</td>
<td>14 (1)</td>
<td>12 (26)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Indiana University-Bloomington</strong></td>
<td><strong>48,514 (3)</strong></td>
<td><strong>13 (7)</strong></td>
<td><strong>10 (6)</strong></td>
<td><strong>26 (10)</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CUNY Graduate School and University Center</td>
<td>6,954 (27)</td>
<td>13 (7)</td>
<td>2 (25)</td>
<td>17 (21)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>The University of Texas at Arlington</td>
<td>41,988 (6)</td>
<td>12 (9)</td>
<td>4 (16)</td>
<td>33 (6)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>University of Nebraska-Lincoln</td>
<td>25,260 (17)</td>
<td>10 (10)</td>
<td>8 (7)</td>
<td>19 (17)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>The University of Texas at Austin</td>
<td>50,950 (2)</td>
<td>10 (10)</td>
<td>5 (11)</td>
<td>26 (10)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>University of Houston</td>
<td>42,704 (5)</td>
<td>10 (10)</td>
<td>5 (11)</td>
<td>31 (8)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>University of California-Santa Barbara</td>
<td>23,497 (21)</td>
<td>9 (13)</td>
<td>7 (8)</td>
<td>24 (13)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SUNY at Albany</td>
<td>17,178 (26)</td>
<td>9 (13)</td>
<td>6 (9)</td>
<td>18 (20)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>University of Delaware</td>
<td>22,852 (22)</td>
<td>9 (13)</td>
<td>4 (16)</td>
<td>36 (4)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>University of Massachusetts-Amherst</td>
<td>29,269 (13)</td>
<td>9 (13)</td>
<td>4 (16)</td>
<td>24 (13)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>University of Colorado Boulder</td>
<td>33,056 (11)</td>
<td>8 (17)</td>
<td>6 (9)</td>
<td>19 (17)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Texas Tech University</td>
<td>35,859 (9)</td>
<td>8 (17)</td>
<td>5 (11)</td>
<td>25 (12)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>University of California-Riverside</td>
<td>21,385 (24)</td>
<td>8 (17)</td>
<td>4 (16)</td>
<td>33 (6)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>George Mason University</td>
<td>33,929 (10)</td>
<td>7 (20)</td>
<td>5 (11)</td>
<td>12 (26)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>University of Oklahoma-Norman Campus</td>
<td>27,428 (14)</td>
<td>7 (20)</td>
<td>5 (11)</td>
<td>14 (25)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>University of North Texas</td>
<td>37,299 (8)</td>
<td>7 (20)</td>
<td>4 (16)</td>
<td>19 (17)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Clemson University</td>
<td>22,698 (23)</td>
<td>7 (20)</td>
<td>1 (27)</td>
<td>30 (9)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>University of Arkansas</td>
<td>26,754 (15)</td>
<td>6 (24)</td>
<td>4 (16)</td>
<td>16 (22)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>University of Wisconsin-Milwaukee</td>
<td>26,726 (16)</td>
<td>6 (24)</td>
<td>4 (16)</td>
<td>15 (24)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>University of California-Santa Cruz</td>
<td>17,868 (25)</td>
<td>5 (26)</td>
<td>4 (16)</td>
<td>23 (16)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Georgia State University</td>
<td>32,058 (12)</td>
<td>5 (26)</td>
<td>2 (25)</td>
<td>16 (22)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
THANK YOU

vborden@iu.edu

carnegieclassifications.iu.edu