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| Test Case 1: | | | | |
| INSTITUTIONS | Paul Mitchell the School-Roanoke | Advanced Technology Institute | Averett University | Blue Ridge Community College |
| UGDS | 69 | 606 | 846 | 3114 |
| UGDS\_WHITE | 0.7536 | 0.4653 | 0.578 | 0.7775 |
| UGDS\_BLACK | 0.1014 | 0.4076 | 0.318 | 0.0511 |
| UGDS\_HISP | 0.029 | 0.0809 | 0.0284 | 0.1028 |
| UGDS\_ASIAN | 0.0145 | 0.0231 | 0.0142 | 0.0196 |
| UGDS\_AIAN | 0 | 0.0116 | 0.0083 | 0.0035 |
| UGDS\_NHPI | 0 | 0 | 0 | 0.0006 |
| UGDS\_2MOR | 0.058 | 0.0116 | 0.0012 | 0.0315 |
| UGDS\_NRA | 0 | 0 | 0.052 | 0.0087 |
| UGDS\_UNKNOWN | 0.0435 | 0 | 0 | 0.0048 |

Expected Results:

The institution with the highest Black/African American population is:   
Advanced Technology Institute and the average Black/African American  
population is: 0.22  
  
The institution with the highest Hispanic population is:   
Blue Ridge Community College and the average Hispanic  
population is: 0.06  
  
The institution with the highest Asian population is:   
Advanced Technology Institute and the average Asian  
population is: 0.02  
  
The institution with the highest American Indian or Alaska Native population is:   
Advanced Technology Institute and the average American Indian or Alaska Native  
population is: 0.01  
  
The institution with the highest Native Hawaiian or other Pacific Islander population is:   
Blue Ridge Community College and the average Native Hawaiian or other Pacific Islander  
population is: 0.00  
  
The institution with the highest students who associate with two or more classifications population is:   
Paul Mitchell the School-Roanoke and the average students who associate with two or more classifications  
population is: 0.03  
  
The institution with the highest non resident/alien population is:   
Averett University and the average non resident/alien  
population is: 0.02  
  
The institution with the highest unidentified population is:   
Paul Mitchell the School-Roanoke and the average unidentified  
population is: 0.01

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| Test Case 2: | | | | |
| INSTITUTIONS | Liberty University | Longwood University | Lord Fairfax Community College | University of Lynchburg |
| UGDS | 46680 | 4326 | 4063 | 1999 |
| UGDS\_WHITE | 0.4766 | 0.7534 | 0.7667 | 0.7339 |
| UGDS\_BLACK | 0.114 | 0.095 | 0.0566 | 0.1161 |
| UGDS\_HISP | 0.0498 | 0.0458 | 0.1024 | 0.046 |
| UGDS\_ASIAN | 0.0102 | 0.0109 | 0.0175 | 0.0125 |
| UGDS\_AIAN | 0.0045 | 0.0037 | 0.0054 | 0.0035 |
| UGDS\_NHPI | 0.0016 | 0.0007 | 0.0007 | 0 |
| UGDS\_2MOR | 0.0196 | 0.0356 | 0.0362 | 0.045 |
| UGDS\_NRA | 0.0158 | 0.0143 | 0.0064 | 0.0235 |
| UGDS\_UNKNOWN | 0.3078 | 0.0407 | 0.0081 | 0.0195 |

Expected Results:

The institution with the highest Black/African American population is:   
University of Lynchburg and the average Black/African American  
population is: 0.10  
  
The institution with the highest Hispanic population is:   
Lord Fairfax Community College and the average Hispanic  
population is: 0.06  
  
The institution with the highest Asian population is:   
Lord Fairfax Community College and the average Asian  
population is: 0.01  
  
The institution with the highest American Indian or Alaska Native population is:   
Lord Fairfax Community College and the average American Indian or Alaska Native  
population is: 0.00  
  
The institution with the highest Native Hawaiian or other Pacific Islander population is:   
Liberty University and the average Native Hawaiian or other Pacific Islander  
population is: 0.00  
  
The institution with the highest students who associate with two or more classifications population is:   
University of Lynchburg and the average students who associate with two or more classifications  
population is: 0.03  
  
The institution with the highest non resident/alien population is:   
University of Lynchburg and the average non resident/alien  
population is: 0.02  
  
The institution with the highest unidentified population is:   
Liberty University and the average unidentified  
population is: 0.09