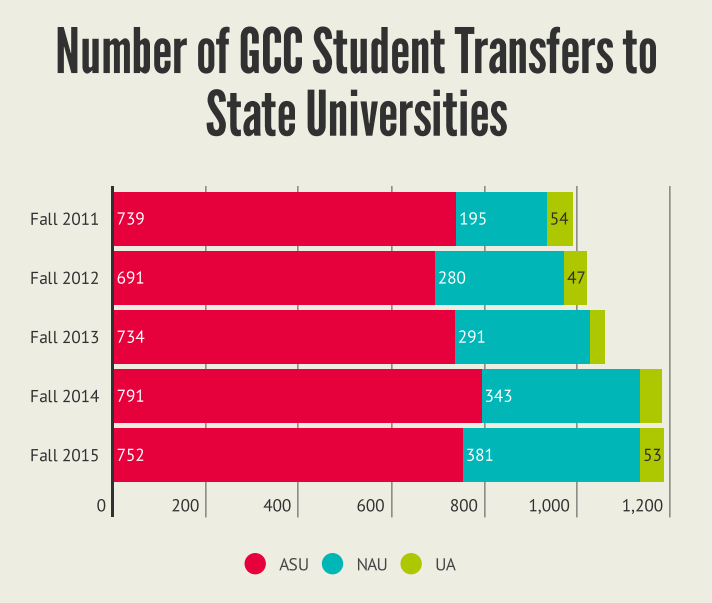
**Contingency Table Activity**

**Goal**: The goal of this activity is to read a table and gather data from it and use it to create a contingency table. Students will then be asked a series of questions discussing what they see when they create a contingency table and what are some of the benefits with using one.

**Material Needed:** This worksheet and a pencil.

**Directions:** Follow the questions on the next page to read and interpret the graph.

Glendale Community College is one of the 10 colleges in the Maricopa Community College District. Each year data is collected about Glendale Community College’s Population. Below is the data from 2011-2015 of the number of GCC student transfers to a state university.



Retrieved from: <http://www.gccaz.edu/sites/default/files/imce/Administrative_Departments/SPA/gcc_facts_at_a_glance_online.pdf>

1. What can you conclude about the information from the chart above?
2. Using the chart above, construct a contingency table by year (2013-2015) and state university.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Fall 2013 | Fall 2014 | Fall 2015 | Total |
| ASU |  |  |  |  |
| NAU |  |  |  |  |
| U of A |  |  |  |  |
| Total |  |  |  |  |

1. Do you see any associations with any of the variables?
2. Can you make any inferences on why these associations could be taking place?
3. If you compare the chart that was given at the beginning of the activity and the contingency table, which one do you prefer? Why? Is one chart better than the other? Why or why not? Please be prepared to explain yourself.