BEST PRACTICES IN DATA VISUALIZATION

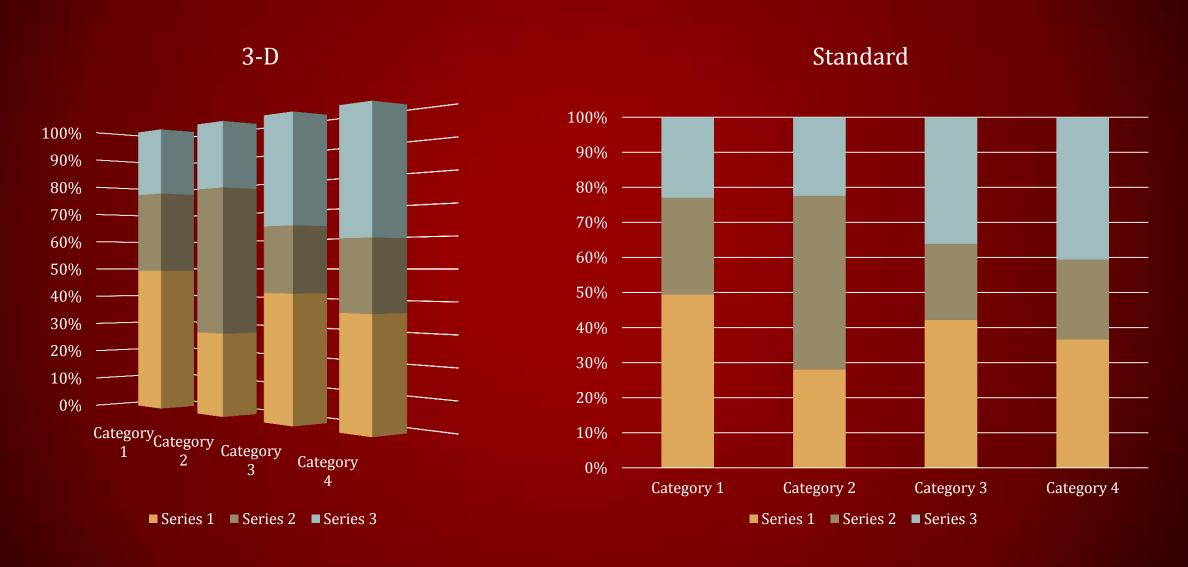
Utah System of Higher Education

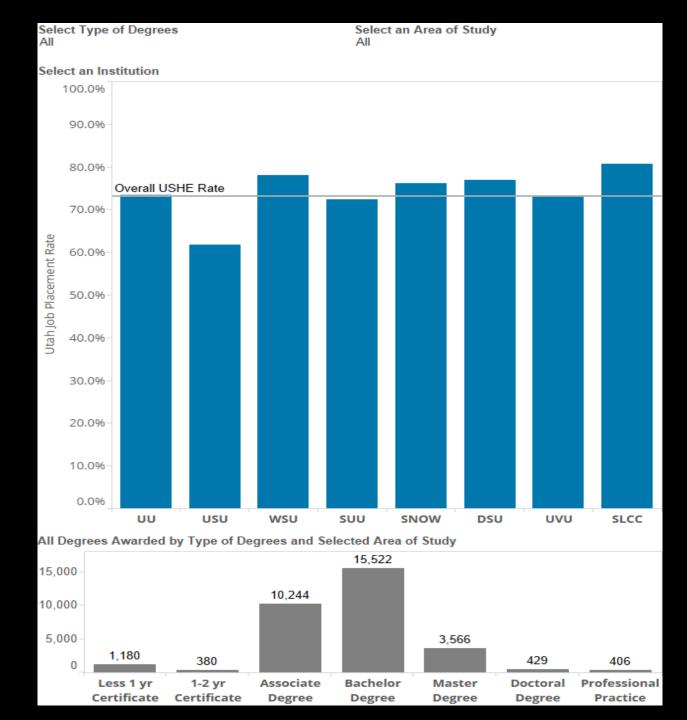
Joseph A. Curtin, Ph.D. Assistant Commissioner for Institutional Research & Analysis

GENERAL RULE OF THUMB - USHE

- No 3-D graphics
- Keep the number of filters to a minimum
- Organize visualization
 - Only related data on the page
 - Minimize clutter
- Provide appropriate context

Which Graphic Provides the Best Understanding of the Data?





JOB PLACEMENT RATES OF USHE GRADUATES – BY DEGREE TYPE AND DISCIPLINE

The percentage of USHE graduates in 2013-14 employed in 2014, according to the Department of Workforce Services

Filters:

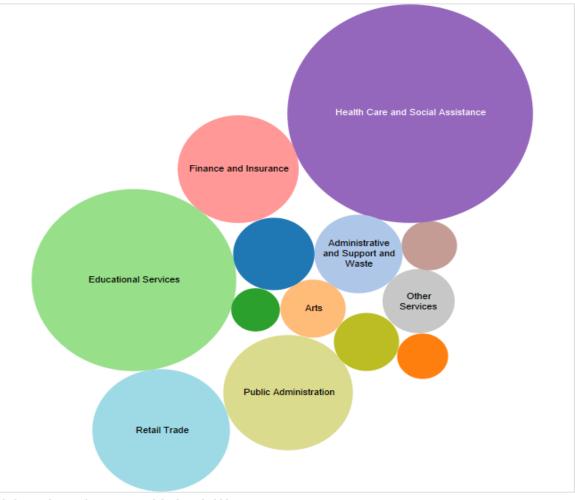
All Postsecondary Graduates Industry Where Employed First Year After Award

Select Area of Study FAMILY AND CONSUMER SCIENCES/.. Weber State University

Select Institution

Graduation Academic Year

Area of Study: FAMILY AND CONSUMER SCIENCES/HUMAN SCIENCES

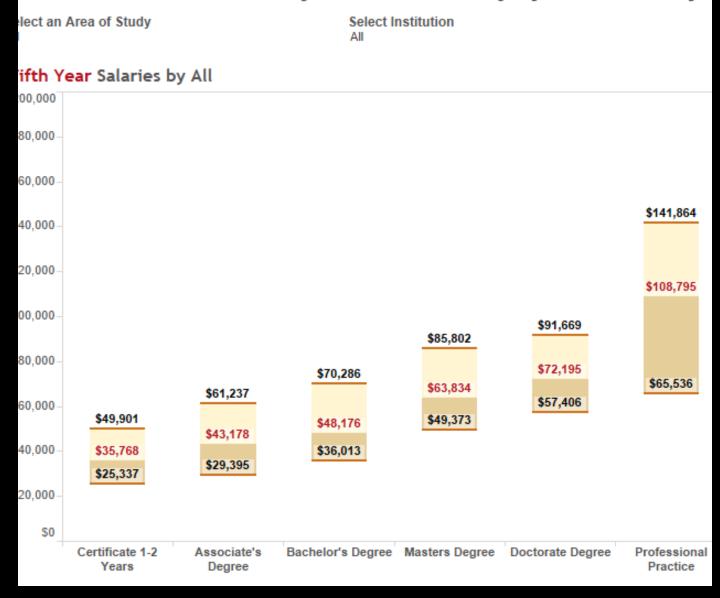


Labels are shown when mouse pointer is on bubble

WHERE ARE UTAH **COLLEGE GRADUATES EMPLOYED**

The relationship between a college degree or certificate and a career is very complex. The idea that a specific area of study will qualify a person for employment in only one industry is simply untrue. The interactive chart below illustrates the industries in which USHE graduates are employed. This data is compiled through USHE's partnership with the Utah Data Alliance.

2005-2007 Postsecondary Graduates Salary by Area of Study



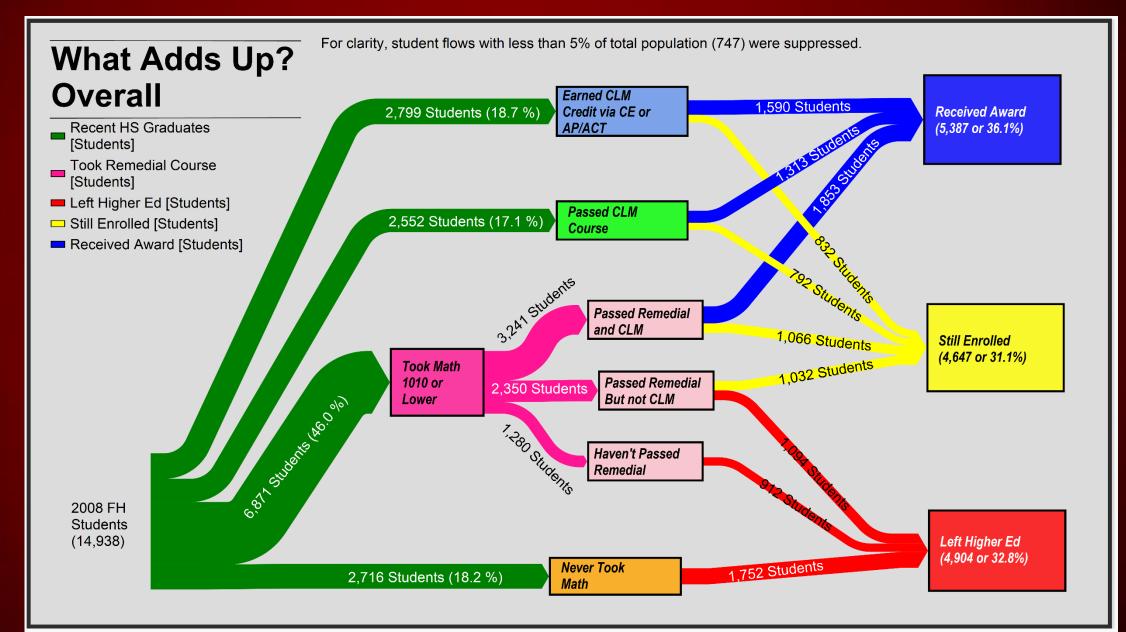
UTAH WAGE INFORMATION BY FIELD OF STUDY

Cautions

While informative, this data does not guarantee that an individual who earns a degree or certificate in a given field of study at a USHE institution will obtain these wages in their first or fifth year of employment.

This data does not account for inherent factors associated with wage earning potential including geography, specific circumstances of an individual or business, or current economic and regulatory conditions.

SANKEY CHARTS

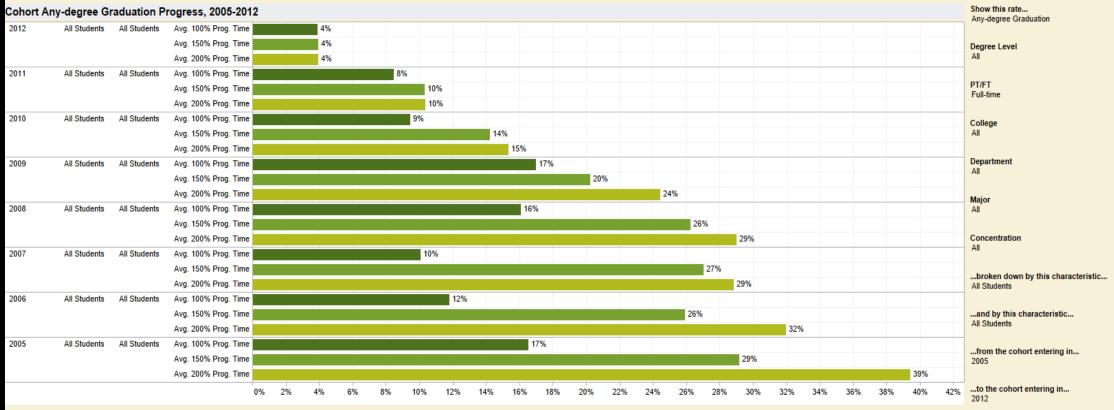


UVU COHORT PROGRESS REPORT

Small Multiples

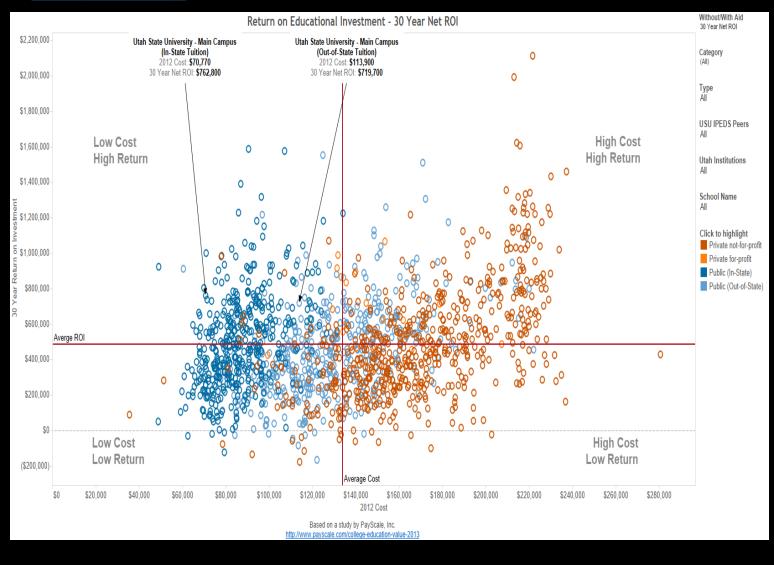


Cohort Progress Report - Graduation Rate



Last updated 6/25/2014 5:47:37 PM.

UtahState University



RETURN ON INVESTMENT -



PayScale, Inc.

http://www.payscale.com/college-education-value-2013

THINGS TO CONSIDER

- Distribution method
 - Dashboard
 - Electronic documents (.pdf)
 - Paper document
- Audience
 - Internal use (Executive Council v. Staff positions)
 - State/ Board Leadership
 - General Public

Summary of Edward Tufte's Visualization Course

Tufte, Edward R. *The Visual Display of Quantitative Information*, Graphics Press, Cheshire, CT 1983.

Tufte, Edward R. *Envisioning Information*, Graphics Press, Cheshire, CT 1991.

