**Student Learning Outcomes for SDS3340 (first time teaching it)**

**Pre- and Post-test comparison**

A t-test comparing the means for the pre-and post-tests shows a significant increase of students’ assessment of their skills, resources, and techniques for job searching, applications, and interviews (at alpha =.05). Other items did not show a significant improvement. The results might be affected by students’ naïve confidence at the time of the pre-test, and this could be managed in future SLO assessments by either providing more concrete examples to clarify the questions during pre-testing, or by providing students with their pre-test responses during post-testing so that they could compare results to note improvement. The items were very direct and simplistic (based on the stated student learning outcomes in the course as given to me); using other complementary assessments could validate or support these results.

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| **Paired Samples Test** | | | | | | | | | |
|  | | Paired Differences | | | | | t | df | Sig. (2-tailed) |
| Mean | Std. Deviation | Std. Error Mean | 95% Confidence Interval of the Difference | |
| Lower | Upper |
| Pair 1 | Can you identify personal characteristics and abilities that will impact your career satisfaction and success? - Q1post | -.19231 | .80463 | .22317 | -.67854 | .29393 | -.862 | 12 | .406 |
| Pair 2 | Can you describe a career path that best suits your values, interests, personality, and skills? - Q2post | -.38462 | 1.26085 | .34970 | -1.14654 | .37731 | -1.100 | 12 | .293 |
| Pair 3 | Do you have solid decision-making skills? - Q3post | -.34615 | .89872 | .24926 | -.88924 | .19694 | -1.389 | 12 | .190 |
| Pair 4 | Do you have a plan for reaching self-determined goals? - Q4post | -.53846 | 1.12660 | .31246 | -1.21926 | .14234 | -1.723 | 12 | .110 |
| Pair 5 | Do you have skills and resources that can be utilized in the job search process? - Q5post | -1.00000 | 1.00000 | .27735 | -1.60429 | -.39571 | -3.606 | 12 | .004 |
| Pair 6 | Do you have job search, application, and successful interview techniques? - Q6post | -1.57692 | 1.38212 | .38333 | -2.41213 | -.74172 | -4.114 | 12 | .001 |
| Pair 7 | Do you feel prepared for the transition from student life to graduate school and/or professional life? - Q7post | -.42308 | 1.41195 | .39160 | -1.27631 | .43015 | -1.080 | 12 | .301 |

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| **Descriptives** | | | | | |
|  | Time | | | Statistic | Std. Error |
| Can you identify personal characteristics and abilities that will impact your career satisfaction and success? | Pretest | Mean | | 4.067 | .1533 |
| 95% Confidence Interval for Mean | Lower Bound | 3.738 |  |
| Upper Bound | 4.395 |  |
| 5% Trimmed Mean | | 4.074 |  |
| Median | | 4.000 |  |
| Variance | | .352 |  |
| Std. Deviation | | .5936 |  |
| Minimum | | 3.0 |  |
| Maximum | | 5.0 |  |
| Range | | 2.0 |  |
| Interquartile Range | | .0 |  |
| Skewness | | .004 | .580 |
| Kurtosis | | .537 | 1.121 |
| Posttest | Mean | | 4.346 | .1314 |
| 95% Confidence Interval for Mean | Lower Bound | 4.060 |  |
| Upper Bound | 4.632 |  |
| 5% Trimmed Mean | | 4.329 |  |
| Median | | 4.000 |  |
| Variance | | .224 |  |
| Std. Deviation | | .4737 |  |
| Minimum | | 4.0 |  |
| Maximum | | 5.0 |  |
| Range | | 1.0 |  |
| Interquartile Range | | 1.0 |  |
| Skewness | | .732 | .616 |
| Kurtosis | | -1.609 | 1.191 |
| Can you describe a career path that best suits your values, interests, personality, and skills? | Pretest | Mean | | 4.133 | .2557 |
| 95% Confidence Interval for Mean | Lower Bound | 3.585 |  |
| Upper Bound | 4.682 |  |
| 5% Trimmed Mean | | 4.204 |  |
| Median | | 4.000 |  |
| Variance | | .981 |  |
| Std. Deviation | | .9904 |  |
| Minimum | | 2.0 |  |
| Maximum | | 5.0 |  |
| Range | | 3.0 |  |
| Interquartile Range | | 2.0 |  |
| Skewness | | -.808 | .580 |
| Kurtosis | | -.388 | 1.121 |
| Posttest | Mean | | 4.462 | .1439 |
| 95% Confidence Interval for Mean | Lower Bound | 4.148 |  |
| Upper Bound | 4.775 |  |
| 5% Trimmed Mean | | 4.457 |  |
| Median | | 4.000 |  |
| Variance | | .269 |  |
| Std. Deviation | | .5189 |  |
| Minimum | | 4.0 |  |
| Maximum | | 5.0 |  |
| Range | | 1.0 |  |
| Interquartile Range | | 1.0 |  |
| Skewness | | .175 | .616 |
| Kurtosis | | -2.364 | 1.191 |
| Do you have solid decision-making skills? | Pretest | Mean | | 3.733 | .2063 |
| 95% Confidence Interval for Mean | Lower Bound | 3.291 |  |
| Upper Bound | 4.176 |  |
| 5% Trimmed Mean | | 3.759 |  |
| Median | | 4.000 |  |
| Variance | | .638 |  |
| Std. Deviation | | .7988 |  |
| Minimum | | 2.0 |  |
| Maximum | | 5.0 |  |
| Range | | 3.0 |  |
| Interquartile Range | | 1.0 |  |
| Skewness | | -.415 | .580 |
| Kurtosis | | .380 | 1.121 |
| Posttest | Mean | | 4.115 | .1974 |
| 95% Confidence Interval for Mean | Lower Bound | 3.685 |  |
| Upper Bound | 4.545 |  |
| 5% Trimmed Mean | | 4.128 |  |
| Median | | 4.000 |  |
| Variance | | .506 |  |
| Std. Deviation | | .7116 |  |
| Minimum | | 3.0 |  |
| Maximum | | 5.0 |  |
| Range | | 2.0 |  |
| Interquartile Range | | 1.3 |  |
| Skewness | | -.068 | .616 |
| Kurtosis | | -.868 | 1.191 |
| Do you have a plan for reaching self-determined goals? | Pretest | Mean | | 3.600 | .2545 |
| 95% Confidence Interval for Mean | Lower Bound | 3.054 |  |
| Upper Bound | 4.146 |  |
| 5% Trimmed Mean | | 3.611 |  |
| Median | | 4.000 |  |
| Variance | | .971 |  |
| Std. Deviation | | .9856 |  |
| Minimum | | 2.0 |  |
| Maximum | | 5.0 |  |
| Range | | 3.0 |  |
| Interquartile Range | | 1.0 |  |
| Skewness | | -.578 | .580 |
| Kurtosis | | -.531 | 1.121 |
| Posttest | Mean | | 4.077 | .1776 |
| 95% Confidence Interval for Mean | Lower Bound | 3.690 |  |
| Upper Bound | 4.464 |  |
| 5% Trimmed Mean | | 4.085 |  |
| Median | | 4.000 |  |
| Variance | | .410 |  |
| Std. Deviation | | .6405 |  |
| Minimum | | 3.0 |  |
| Maximum | | 5.0 |  |
| Range | | 2.0 |  |
| Interquartile Range | | .5 |  |
| Skewness | | -.053 | .616 |
| Kurtosis | | .061 | 1.191 |
| Do you have skills and resources that can be utilized in the job serach process? | Pretest | Mean | | 3.400 | .2138 |
| 95% Confidence Interval for Mean | Lower Bound | 2.941 |  |
| Upper Bound | 3.859 |  |
| 5% Trimmed Mean | | 3.389 |  |
| Median | | 3.000 |  |
| Variance | | .686 |  |
| Std. Deviation | | .8281 |  |
| Minimum | | 2.0 |  |
| Maximum | | 5.0 |  |
| Range | | 3.0 |  |
| Interquartile Range | | 1.0 |  |
| Skewness | | -.070 | .580 |
| Kurtosis | | -.224 | 1.121 |
| Posttest | Mean | | 4.462 | .1439 |
| 95% Confidence Interval for Mean | Lower Bound | 4.148 |  |
| Upper Bound | 4.775 |  |
| 5% Trimmed Mean | | 4.457 |  |
| Median | | 4.000 |  |
| Variance | | .269 |  |
| Std. Deviation | | .5189 |  |
| Minimum | | 4.0 |  |
| Maximum | | 5.0 |  |
| Range | | 1.0 |  |
| Interquartile Range | | 1.0 |  |
| Skewness | | .175 | .616 |
| Kurtosis | | -2.364 | 1.191 |
| Do you have job search, application, and successful interview techniques? | Pretest | Mean | | 2.867 | .2906 |
| 95% Confidence Interval for Mean | Lower Bound | 2.243 |  |
| Upper Bound | 3.490 |  |
| 5% Trimmed Mean | | 2.852 |  |
| Median | | 3.000 |  |
| Variance | | 1.267 |  |
| Std. Deviation | | 1.1255 |  |
| Minimum | | 1.0 |  |
| Maximum | | 5.0 |  |
| Range | | 4.0 |  |
| Interquartile Range | | 2.0 |  |
| Skewness | | -.050 | .580 |
| Kurtosis | | -.232 | 1.121 |
| Posttest | Mean | | 4.423 | .1776 |
| 95% Confidence Interval for Mean | Lower Bound | 4.036 |  |
| Upper Bound | 4.810 |  |
| 5% Trimmed Mean | | 4.470 |  |
| Median | | 4.500 |  |
| Variance | | .410 |  |
| Std. Deviation | | .6405 |  |
| Minimum | | 3.0 |  |
| Maximum | | 5.0 |  |
| Range | | 2.0 |  |
| Interquartile Range | | 1.0 |  |
| Skewness | | -.790 | .616 |
| Kurtosis | | .108 | 1.191 |
| Do you feel prepared for the transition from student life to graduate school and/or professional life? | Pretest | Mean | | 3.267 | .2667 |
| 95% Confidence Interval for Mean | Lower Bound | 2.695 |  |
| Upper Bound | 3.839 |  |
| 5% Trimmed Mean | | 3.241 |  |
| Median | | 3.000 |  |
| Variance | | 1.067 |  |
| Std. Deviation | | 1.0328 |  |
| Minimum | | 2.0 |  |
| Maximum | | 5.0 |  |
| Range | | 3.0 |  |
| Interquartile Range | | 2.0 |  |
| Skewness | | .282 | .580 |
| Kurtosis | | -.917 | 1.121 |
| Posttest | Mean | | 3.808 | .2232 |
| 95% Confidence Interval for Mean | Lower Bound | 3.321 |  |
| Upper Bound | 4.294 |  |
| 5% Trimmed Mean | | 3.842 |  |
| Median | | 4.000 |  |
| Variance | | .647 |  |
| Std. Deviation | | .8046 |  |
| Minimum | | 2.0 |  |
| Maximum | | 5.0 |  |
| Range | | 3.0 |  |
| Interquartile Range | | .8 |  |
| Skewness | | -.671 | .616 |
| Kurtosis | | 1.201 | 1.191 |