|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Data**   |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | Control |  |  |  |  |  |  |  | | dish num | Stem Length | # of Leaves | Avg. Leaf Length | #of germinated plants / total # of planted plants |  |  |  | | 1 | 3.5 | 3 | 0.375 |  |  |  |  | | 2 | 4 | 4 | 0.444444 |  |  |  |  | | 2 | 3.75 | 3 | 0.541666 |  |  |  |  | | 3 | 3 | 4 | 0.416666 | 28/36 |  |  |  | | 3 | 4 | 4 | 0.375 |  |  |  |  | | 3 | 3.5 | 4 | 0.666666 |  |  |  |  | | 4 | 3.5 | 4 | 0.46875 |  |  |  |  | | 4 | 4.5 | 4 | 0.625 |  |  |  |  | | 4 | 3.5 | 4 | 0.5 |  |  |  |  | | 5 | 1 | 2 | 0.25 |  |  |  |  | | 5 | 4 | 2 | 0.375 |  |  |  |  | | 6 | 3 | 4 | 0.375 |  |  |  |  | | 6 | 3.5 | 4 | 0.375 |  |  |  |  | | average | 3.44231 | 3.53864 | 0.445245538 |  |  |  |  | | Intermediate |  |  |  |  |  |  |  | | 1 | 5.5 | 2 | 0.75 |  | Stem lgth Sx | 0.973763 | pval=.617268 | | 1 | 1.5 | 2 | 0.25 |  | # leaves Sx | 0.63994 | pval=1.17502E-9 | | 2 | 4.5 | 3 | 0.5 |  | Leaf lgth Sx | 0.169043 | pval=.005958 | | 2 | 3.5 | 2 | 0.5 | 28/36 |  |  |  | | 3 | 3.5 | 4 | 0.875 |  |  |  |  | | 3 | 3 | 2 | 0.5 |  |  |  |  | | 3 | 3 | 3 | 0.5 |  |  |  |  | | 4 | 3.5 | 3 | 0.666666 |  |  |  |  | | 4 | 3 | 2 | 0.75 |  |  |  |  | | 4 | 3.25 | 2 | 0.75 |  |  |  |  | | 5 | 3 | 3 | 0.416666 |  |  |  |  | | 5 | 3.5 | 3 | 0.416666 |  |  |  |  | | 5 | 2.5 | 2 | 0.4375 |  |  |  |  | | 6 | 5 | 3 | 0.666666 |  |  |  |  | | 6 | 3.5 | 2 | 0.5 |  |  |  |  | | average | 3.316666 | 2.533333 | 0.5652776 |  |  |  |  | | Alpha |  |  |  |  |  |  |  | | 1 | 4.5 | 3 | 0.666666 |  | Stem lgth Sx | 1.65557 | pval=.481455 | | 1 | 3.5 | 3 | 0.666666 |  | # leaves Sx | 0.934199 | pval=.000422 | | 1 | 1 | 2 | 0.375 |  | Leaf lgth Sx | 0.24727 | pval=.253925 | | 2 | 3.5 | 3 | 0.416666 | 10/18. |  |  |  | | 3 | 0 | 0 | 0 |  |  |  |  | | 4 | 3.5 | 3 | 0.416666 |  |  |  |  | | 4 | 4 | 3 | 0.666666 |  |  |  |  | | 5 | 1 | 2 | 0.375 |  |  |  |  | | 6 | 4.5 | 3 | 0.75 |  |  |  |  | | 6 | 3.5 | 3 | 0.583333 |  |  |  |  | | 6 | 5 | 3 | 0.916666 |  |  |  |  | | average | 3.09091 | 2.54545 | 0.530302636 |  |  |  |  |   The intermediate and alpha groups were compared to the control group using a 2 sided 2 sample z-test. The populations were normal and all tests were used with a sample size of 10 or greater and the data was gathered through a SRS of 6 pots in each level.  [[Home](http://docs.google.com/home.html)] [[Introduction](http://docs.google.com/introduction.html)] [[Hypothesis](http://docs.google.com/hypothesis.html)] [[Procedure](http://docs.google.com/procedure.html)] [[Data](http://docs.google.com/data.html)] [[Conclusions](http://docs.google.com/conclusions.html)] [[Bilio/Links](http://docs.google.com/biblio.html)]  [[2002 Projects](http://docs.google.com/AP2002/index.html)] [[2001 Projects](http://docs.google.com/index.html)] [[2000 Projects](http://docs.google.com/AP2000/index.html)] [[1999 Projects](http://docs.google.com/AP99/index.html)] [[1998 Projects](http://docs.google.com/AP98/index.html)] |
|  |