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| 1.What data are available? (groups/measurements) | 2. What question(s) can you answer with the data? (Think about relationships between variables and groups) | 3. Select a question from 2 and develop a plan to use the data to answer it (graph, avgs, etc). Illustrate all possible results you might find. |
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| 4. After executing your plan, how can you answer your question? (C.E.R.) | 5. What questions do you have that you cannot answer with the available data? | 6. Select a question from 5 and propose a way to answer it. |
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| 1.What data are available? (groups/measurements) | 2. What question(s) can you answer with the data? (Think about relationships between variables and groups) | 3. Select a question from 2 and develop a plan to use the data to answer it (graph, avgs, etc). Illustrate all possible results you might find. |
| Groups  Sprayed/not sprayed  Different ecotypes  Local/Not Local  Measured variables  Height  Leaf and node number  Basal diameter  Stem Number  Number of Leaves damaged  Stem Damage | How do groups differ?  Do local plants grow taller than nonlocal plants?  Do the ecotypes have different numbers of nodes?  Are local ecotypes more likely to have stem damage than nonlocal ecotypes?...  What is the relationship between \_\_\_ and \_\_\_?  Do plants growing closer to their home grow taller or have more leaves?  Do taller plants have more leaves? | 1. Calculate the number of stems in the local ecotype and all the other ecotypes combined. 2. Calculate the number of stems with damage from each ecotype 3. Calculate the percent of stems damaged (#2\*100/#3) 4. Plot, and do a chi squared test if desired.     Blue= Local; Orange = Nonlocal  Percent |
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