# T-test mini project

1. Go to thorpsci.weebly.com
2. Under the T-test section there is a document called PairedData descriptions. It contains descriptions of the data sets listed below the link (Anorexia -> BloodLead)
3. Your job is to perform the appropriate T-tests on all of the data sets and report the following information:
   1. Describe the findings in a few sentences.
   2. Provide the relevant data to support the above.
   3. Ex: The corn that was cross-fertilized grew taller than the corn that was self-fertilized. We know this because…
4. You may perform your analysis in Excel or R. If you choose R you will need to google how to perform a paired t-test in R. Not hard!
5. If you choose Excel you will need T values. Google t table and the first link (a pdf from San Jose State U) will provide you with the values you need. Note that you should use the column headed by the value 12.71. dF is your sample size -1. If you run into dF values that are not explicitly listed on the chart, use the next lowest value (ex: dF of 73, use dF of 60).
6. This project is due at the end of Thursday’s class. You may work solo or in pairs.
7. Use “T-test mini project” as the subject heading and include both student names in the email.
8. \*\*\* HINTS: Do not assume that 1 test is sufficient for every data set. Anorexia has 3 treatments (Continuing?, Cognitive Behavioral Therapy and Family Therapy). How do you answer the relevant question? Another HINT: the relevant question is “which treatment leads to weight gain?”