## UCLA STAT 13 <br> Introduction to Statistical Methods for the Life and Health Sciences

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TAT 13, UCLA, Ivo Dino slide 1





## Strong and weak relationships

- Plotting a strong relationship only on a small X-range will make the relationship much weaker (So, be ware sample size and sample representativeness do matter).
- The x-range scale and y-range scale need to be taken into account when investigating strong/weak relationships (extending or compressing any of the axes could significantly change the relation trend).
How do we


## A weak relationship



Figure 3.1.10 Parent's rating versus teacher's rating for abused children.
rang tor avased enturen. quantify weak vs. strong
relationship?


## Questions ...

- What are the two main components of a regression relationship?
- What do we call observations that are further from the trend curve than expected when compared with the usual level of scatter?
- Should outliers simply be discarded when analyzing data?



