Get all data onto one spreadsheet La option A: we'll share
La option B: you'll work on your own &
combine · lell the spreadsheet to find: D'Water gunlity & D'diversity
Analyze the strong a
graph (alled "linear regression"

nstructions.

· Select on the shared data link · Enter your data (individual) · Copy & paste water quality/diversity/ total formulas · water quality - a weighted average rating W.g. from I (low) - 10 (hPgh). diversity - combines richness & evenness Make a copy of the spreadsheet & per form a linear regression * Ra (between 0 & 1) -> We are looking for at least 0.6

- Make additional data tables Showing depth vs. water quality and depth vs. diversity and Derform a t-test - Find averages for · Diversity of shallow water · Diversity of deep water · Water quality of shallow water · Water quality of deep water

for your discussion's Linear regression. "Is there a relationship between diversity and water quality?"

-> What does the line show you?

no relationship

they morease as other in creases as one increases, the other decreases water quality

What does the Partell you?

Ra > 60: meaning ful

Part (or not that meaning ful

· T-1853:

· Compare average water between Shallow & deep water

· Compare average diversity between Shallow i deep water

"Use the t-test to determine "Significance":

P-value < 0.05, our data is significant our data is not significant