Comparing / Contrasting Statistics Features of the TI-82, 83, 85 & 86

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1. After entering data into a List Editor, the TI-82, 83 & 85 will allow you to immediately choose a [Stat] `Calc` menu command. However, on the TI-86, you must first [EXIT] to the "home screen" before making any calculations.

2. On the TI-86, the `fStat` list must be the same length as `xStat` &/or `yStat` .

3. The TI-86 uses both `yStat` & `fStat` lists separately. But the TI-85 combines these functions into a single `yStat` list. On the TI-82 & 83, commands can be given either for a single list of raw data (e.g. `OneVarStats L1`) or with 2 lists (e.g. `OneVarStats L1 , L2`) .

4. The TI-85 will only `Draw` a histogram or scatterplot for as long as you stay on the graph. The TI-82 & 83 will keep a `StatPlot` on a graph forever, unless it is turned `Off` . The TI-86 has both options: a temporary histogram (`Draw`) and a permanent histogram (`StatPlot`).

5. The TI-85 does not allow for a side-by-side viewing of the lists (spreadsheet style). The TI-82, 83 & 86 do allow for such views of the data.

6. All 4 of these models allow for editing a list (e.g. `5+L1` will add 5 to each element of `L1`). The TI-83 & 86 also allow for "dependent" lists (e.g. `"5+L1"→L2` will force `L2` to depend on `L1` . If an element of `L1` changes, then the corresponding element of `L2` will also change).

7. TI-85 regression results (e.g. `a=2.59 b=0.32`) would not explain whether this means `y=ax+b` or `y=a+bx` . All other calculator models do remind the user which equation is used.

8. The TI-85 does not have quartiles `Q1` and `Q3` , but all other models do have them (though the TI-86 uses the names `Qrtl1` and `Qrtl3`).

9. The TI-85 would recall only one previous [2nd] `ENTRY` on the home screen. All other models have a "deep recall" which will bring back about 2 screens' worth of commands.

10. The TI-83 automatically inserts the left parenthesis with all functions. Ex: √(not just √ .

11. The TI-83 requires a `DiagnosticOn` command made on the home screen (just once in the batteries' lifetime) in order to display `r` and r^2 and R^2 results with regression.

12. The TI-82 & 83 display all `StatPlot` icons at once.
    On the TI-86, use [F1] ... [F5] in order to select the type of `StatPlot` to be used.