

STATISTICS

Calculator hints:

- 1) Enter list \rightarrow $[stat] + [edit] +$ enter list
- 2) To recover missing list: $[stat] + [Setpeditor] +$ Enter
- 3) Calculate mean, s.d, etc \rightarrow $[stat] + [calc] +$ (1-var stats or 2- var stats)
 - For L_1 --- use 1-var stats -----No need to specify list (Otherwise, specify list)
 - For L_1 & L_2 with equal lengths of data, use 2-var stats --- No need to specify lists (Otherwise, specify lists separated by a comma)
 - For frequency distributions \rightarrow enter the frequencies in another list and specify the lists separated by a comma \rightarrow example: 1-variable stats L_1, L_2
- 4) Stat plots \rightarrow $[2nd] + [y =] \rightarrow$ setup plots- specify lists + (ZOOM + 9)
- 5) Creating side – by- side box plots: activate two stat plots
- 6) To find area under normal distribution \rightarrow
 - a) $[2nd] + [var s] + normalcdf(\text{min}, \text{max}, \text{mean}, \text{s.d})$
 - OR b) $[2nd] + [var s] + normalcdf(\text{min}, \text{max}, 0, 1)$
- 7) To find the value of x or z-score \rightarrow
 $[2nd] + [var s] + invnorm(\text{area to the left}, \text{mean}, \text{s.d})$
- 8) To get equation of linear regression line \rightarrow $[stat] + [calc] +$ LinReg (ax+b) + enter
- 9) To draw the regression line \rightarrow $[y =] + [var s] + Statistics + [EQ] + Re gEQ + [enter] +$
 $[graph]$
- 10) Area under t-distribution \rightarrow $[2nd] + [var s] + tcdf(\text{min}, \text{max}, \text{d.f})$