

BASIC STATISTICS USING GRAPHING CALCULATORS
(using L1, XSTAT, or C1 as example)

ENTERING DATA INTO A DATA LIST/CLEARING A LIST			
TI-83/84	TI 85/86	TI-89/92 (titanium may differ)	Voyage 200
STAT key EDIT option CLEAR L1 (if needed) by moving cursor up to list name and press CLEAR then ENTER Enter data into L1 2 nd + MODE (QUIT) to save data	STAT key EDIT option ENTER twice past XLIST, YLIST CLEAR XLIST by moving cursor up to list name and press CLEAR then ENTER For 86: Enter data into XLIST For 85: Enter data only after X values (entering 1 for Y values) 2 nd + (EXIT) QUIT to save data	APPS 6: DATA EDITOR 3: NEW Type: DATA Folder: Main Variable: x (or other is x used) CLEAR C1 (if needed) by moving cursor up to list name and press CLEAR then ENTER Enter data into C1	APPS DATA/MATRIX 3: NEW Type: DATA Folder: Main Variable: x (or other is x used) CLEAR C1 (if needed) by pressing F6 and selecting 5: CLEAR COLUMN Enter data into C1

CALCULATING BASIC DESCRIPTIVE STATISTICS			
TI-83/84	TI 85/86	TI-89/92 (titanium may differ)	Voyage 200
STAT key CALC option 1-Var Stats L1 ENTER	STAT key CALC option Enter twice past XLIST, YLIST 85: 1-VAR option + ENTER 86: 1-VAR option then LIST, NAMES, XLIST Then ENTER	While C1 is displayed: F5 (CALC) Calculation Type: OneVar X: C1 ENTER twice	While C1 is displayed: F5 (CALC) Calculation Type: OneVar X: C1 ENTER twice

RECALLING A VARIABLE			
TI-83/84	TI 85/86	TI-89/92 (titanium may differ)	Voyage 200
VARS key 5: Statistics Move to variable + ENTER variable can now be squared, etc.	STAT key VARS option Move to variable +ENTER variable can now be squared, etc.	For s_x (st dev of sample) use: [ALPHA] S X For $\bar{\sigma}_x$ (st dev of population) use: ♦ ([ALPHA] S X variable can now be squared, etc. NOTE: ♦ (before a letter will convert it to a greek letter.	For s_x (st dev of sample) use: [ALPHA] S X For $\bar{\sigma}_x$ (st dev of population) use: ♦ ([ALPHA] S X variable can now be squared, etc. NOTE: ♦ (before a letter will convert it to a greek letter.

GENERATING RANDOM NUMBERS			
TI-83/84*	TI 85/86	TI-89/92 (titanium may differ)	Voyage 200
MATH key PRB option randINT(option now enter range of values for random number, then) ex. randINT(1, 10) Press enter for next number	MATH key PRB option rand option multiply by 10 for numbers 0-10 multiply by 100 for 0 – 100, etc use value before decimal point as random number ex. rand*10 Press enter for next number	MATH key 7:Probability rand(option enter 10) for 1 - 10 enter 100) for 1-100, etc. ex. rand(10) Press enter for next number	MATH key 7:Probability rand(option enter 10) for 1 - 10 enter 100) for 1-100, etc. ex. rand(10) Press enter for next number

SORTING A COLUMN OF DATA			
TI-83/84*	TI 85/86	TI-89/92 (titanium may differ)	Voyage 200
STAT key under EDIT 2:SORTA(L1) ENTER	TI 85: STAT key CALC option Enter twice past XLIST, YLIST press F4: SORTX TI 86: LIST key F5: OPS F2: sortA L1 ENTER	While within C1: F6 3: SORT COLUMN	While within C1: F6 3: SORT COLUMN