

Sheet1

=====

BSTAT

Basic Statistics Calculator

=====

RESULTS BLOCK

RANGE 1 RANGE 2 RANGE 3 RANGE 4 RANGE 5

No. of Observ.

Maximum

Minimum

Range

Mean (Average)

Population Statistics

Variance

Standard Deviation

Sample Statistics

Variance

Standard Deviation

DATA INPUT BLOCK

Observation No.

RANGE 1 RANGE 2 RANGE 3 RANGE 4 RANGE 5

=====
MENU

=====
RANGE 6

RANGFIX

RANGE 6

```
\C
/xi@count(c31.h50)=0~/xmmenu~~
/wgpd
/rePMS1~/reMSG1~/reMSG2~
{goto}c9~@COUNT(C31..C2048)~/c~d9.h9~
/rea31.a2048~
{goto}TEMP1~@max(MAXNO)~
{edit}+30{calc}~{edit}{home}'~
{goto}a31~/df/{esc}a31.a
131
~1~1~2048~
/xcRANGFIX~
{goto}RESPAGE~
{goto}c11~@IF(C$9=0,@NA,@MAX(C31..C2048))~/c~d11.h11~
```

Sheet1

```
{goto}c12~@IF(C$9=0,@NA,@MIN(C31..C2048))~/c~d12.h12~  
{goto}c13~+C11-C12~/c~d13.h13~  
{goto}c15~@IF(C$9=0,@NA,@AVG(C31..C2048))~/c~d15.h15~  
{goto}c19~@IF(C$9=0,@NA,@VAR(C31..C2048))~/c~d19.h19~  
{goto}c20~@IF(C$9=0,@NA,@STD(C31..C2048))~/c~d20.h20~  
{goto}c24~+C9/(C9-1)*C19~/c~d24.h24~  
{goto}c25~@SQRT(C24)~/c~d25.h25~  
{home}/wgpe/xmMENU~
```

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Input
Input Data
{home}
/xg|l~

Blank
Clear Input Fields
/xmblank~

blank

No
Cancel "Blank" Command
/xmmenu~

\M
{ESC}{ESC}{ESC}
{ESC}{ESC}{ESC}
{ESC}{ESC}{ESC}
{ESC}/xmMENU~

/rndRANGE0~/rndRANGE1~/rndRANGE2~/rndRANGE3~
/rndRANGE4~/rndRANGE5~/rndRANGE6~
/xi@count(c31.c32)<2~/rncRANGE1~C31~/xgj24~
{GOTO}c31~/rncRANGE1~{bs}.{END}{DOWN}~
/xi@count(d31.d32)<2~/rncRANGE2~d31~/xgj26~
{GOTO}d31~/rncRANGE2~{bs}.{END}{DOWN}~
/xi@count(e31.e32)<2~/rncRANGE3~e31~/xgj28~
{GOTO}e31~/rncRANGE3~{bs}.{END}{DOWN}~
/xi@count(f31.f32)<2~/rncRANGE4~f31~/xgj30~
{GOTO}f31~/rncRANGE4~{bs}.{END}{DOWN}~
/xi@count(g31.g32)<2~/rncRANGE5~f31~/xgj32~
{GOTO}g31~/rncRANGE5~{bs}.{END}{DOWN}~
/xi@count(h31.h32)<2~/rncRANGE6~h31~/xgj34~
{GOTO}h31~/rncRANGE6~{bs}.{END}{DOWN}~
/xi@count(a31.a32)<2~/rncRANGE0~a31~/xgj36~
{GOTO}a31~/rncRANGE0~{bs}.{END}{DOWN}~
/xr

temp2

Calc
Calculate Results

{home}
/xg\C~

Yes
Yes, Erase all input
/wgpd
{goto}aa1~{goto}PARK~
/rea31.h2048~
{HOME}/reMSG1~
/rec9.h25~
/wgpe
/xmmenu~

\P
/wgpd
/cTEMP1~TEMP2~
{goto}TEMP2~{edit}{home}{right}h~
/ppcrra1.
h124
~q
{home}
/ppg
/xmMENU~

Results

Show Results

{goto}aa1~

{goto}RESPAGE~

/xmmenu~

INPUT MACRO i

/wgp

/xnEnter Max. Number of Observations ~TEMP~

{goto}TEMP~{edit}+31)){home}@min(2000,@int({calc}~

/rea31.a2048~

/ruSTORE~/cTEMP~STORE~{goto}STORE~

{edit}{home}h~

/ru{bs}c31.

h156

~{home}/cPMS~PMS1~

{goto}MSG1~For Menu hold Alt key down & press M key~

{goto}PARK~

{goto}MSG2~For Menu hold Alt key down & press M key~

/ruPMS1~/ruMSG1~/ruMSG2~

Sheet1

```
/cSTORE~STORE1~{goto}STORE1~{EDIT}{HOME}{RIGHT}{DEL}~  
{goto}a31~/df{bs}a31.a  
156  
~1~1~2048~  
{home}/wgpe{goto}PARK~  
{goto}RGE1~{up}{up}{right}{right}{right}{down}{down}{down}{down}{left}{left}  
{left}{left}{up}{up}{up}{up}{up}{up}{right}{right}{down}{down}{down}{down}{left}
```

Graph
Plot Graph(s) of Data or Results
/xmMONITOR~

156
148

GRAPHFIX
/grgtxocfglqtyY Values~q
xRANGE0~otxObservation Numbers~qq
/xcMSET~
/xr

Print
Print Results
/xg\P~

agen
No
Cancel Request. Do not erase worksheet.
/xmmenu~

MONITOR
Color
Print Graphs in Color.
/ruMSET~
/cCSET~MSET~
/xmPLOT1~

CSET
BSET

MSET

\0 \B
/ruPMS1~/cPMS~PMS1~
/wgpe
/rncRANGE0~A1~/rncRANGE1~A1~/rncRANGE2~A1~/rncRANGE3~A1~
/rncRANGE4~A1~/rncRANGE5~A1~/rncRANGE6~A1~
{calc}/xmMENU~

Sheet1

Agenda
Return to Worksheet Selection Agenda
/xmagen~

Quit
Exit to 1-2-3
/xq

PLOT1

Yes
Yes, Erase Worksheet. Return to main selection Agenda
/fragenda~

PLOT2

PLOT3

B&W
Print Graphs in Monochrome.
/ruMSET~/cBSET~MSET~
/xmPLOT1~

Quit
Return to Menu
/xmMENU~

PLOT4

/gocqq
/gobqq

/gocqq
/xr

PLOT5

PLOT6

PLOT7

Sheet1

PLOT8

1Range

Plot Range 1

/xcGRAPHFIX~

/gaRANGE1~q{graph}

{goto}PARK~

/xmPLOT1~

A12Range

Plot Ranges 1 and 2

/xcGRAPHFIX~

/gaRANGE1~bRANGE2~q{graph}

{goto}PARK~

/xmPLOT2~

A23Range

Plot Ranges 2 and 3

/xcGRAPHFIX~

/gaRANGE2~bRANGE3~q{graph}

{goto}PARK~

/xmPLOT3~

A35Range

Plot Ranges 3 and 5

/xcGRAPHFIX~

/gaRANGE3~bRANGE5~q{graph}

{goto}PARK~

/xmPLOT4~

A123Rge

Plot Ranges 1, 2 and 3

/xcGRAPHFIX~

/gaRANGE1~bRANGE2~cRANGE3~q{graph}

{goto}PARK~

/xmPLOT5~

A135Rge

Plot Ranges 1, 3 and 5

/xcGRAPHFIX~

/gaRANGE1~bRANGE3~cRANGE5~q{graph}

{goto}PARK~

/xmPLOT6~

A235Rge

Plot Ranges 2, 3 and 5

/xcGRAPHFIX~

/gaRANGE2~bRANGE3~cRANGE5~q{graph}

{goto}PARK~

/xmplot7~

A1235Rge

Plot Ranges 1, 2, 3, and 5

/xcGRAPHFIX~

/gaRANGE1~bRANGE2~cRANGE3~dRANGE5~q{graph}

{goto}PARK~

/xmPLOT8~

2Range

Plot Range 2

/xcGRAPHFIX~

/gaRANGE2~q{graph}

{goto}PARK~

/xmPLOT1~

B13Range

Plot Ranges 1 and 3

/xcGRAPHFIX~

/gaRANGE1~bRANGE3~q{graph}

{goto}PARK~

/xmPLOT2~

B24Range

Plot Ranges 2 and 4

/xcGRAPHFIX~

/gaRANGE2~bRANGE4~q{graph}

{goto}PARK~

/xmPLOT3~

B36Range

Plot Ranges 3 and 6

/xcGRAPHFIX~

/gaRANGE3~bRANGE6~q{graph}

{goto}PARK~

/xmPLOT4~

B124Rge

Plot Ranges 1, 2 and 4

/xcGRAPHFIX~

/gaRANGE1~bRANGE2~cRANGE4~q{graph}

{goto}PARK~

/xmPLOT5~

B136Rge

Plot Ranges 1, 3 and 6

/xcGRAPHFIX~

/gaRANGE1~bRANGE3~cRANGE6~q{graph}

{goto}PARK~

/xmPLOT6~

B236Rge

Plot Ranges 2,3 and 6

/xcGRAPHFIX~

/gaRANGE2~bRANGE3~cRANGE4~q{graph}

{goto}PARK~

/xmplot7~

B1236Rge

Plot Ranges 1, 2, 3 and 6

/xcGRAPHFIX~

/gaRANGE1~bRANGE2~cRANGE3~dRANGE6~q{graph}

{goto}PARK~

/xmPLOT8~

3Range

Plot Range 3

/xcGRAPHFIX~

/gaRANGE3~q{graph}

{goto}PARK~

/xmPLOT1~

C14Range

Plot Ranges 1 and 4

/xcGRAPHFIX~

/gaRANGE1~bRANGE4~q{graph}

{goto}PARK~

/xmPLOT2~

C25Range

Plot Ranges 2 and 5

/xcGRAPHFIX~

/gaRANGE2~bRANGE5~q{graph}

{goto}PARK~

/xmPLOT3~

C45Range

Plot Ranges 4 and 5

/xcGRAPHFIX~

/gaRANGE4~bRANGE5~q{graph}

{goto}PARK~

/xmPLOT4~

C125Rge

Plot Ranges 1, 2 and 5

/xcGRAPHFIX~

/gaRANGE1~bRANGE2~cRANGE5~q{graph}

{goto}PARK~

/xmPLOT5~

C145Rge

Plot Ranges 1, 4 and 5

/xcGRAPHFIX~

/gaRANGE1~bRANGE4~cRANGE5~q{graph}

{goto}PARK~

/xmPLOT6~

C345Rge

Plot Ranges 3, 4 and 5

/xcGRAPHFIX~

/gaRANGE3~bRANGE4~cRANGE5~q{graph}

{goto}PARK~

/xmplot7~

C1345Rge

Plot Ranges 1, 3, 4, and 5

/xcGRAPHFIX~

/gaRANGE1~bRANGE3~cRANGE4~dRANGE5~q{graph}

{goto}PARK~

/xmPLOT8~

4Range

Plot Range 4

/xcGRAPHFIX~

/gaRANGE4~q{graph}

{goto}PARK~

/xmPLOT1~

D15Range

Plot Ranges 1 and 5

/xcGRAPHFIX~

/gaRANGE1~bRANGE5~q{graph}

{goto}PARK~

/xmPLOT2~

D26Range

Plot Ranges 2 and 6

/xcGRAPHFIX~

/gaRANGE2~bRANGE6~q{graph}

{goto}PARK~

/xmPLOT3~

D46Range

Plot Ranges 4 and 6

/xcGRAPHFIX~

/gaRANGE4~bRANGE6~q{graph}

{goto}PARK~

/xmPLOT4~

D126Rge

Plot Ranges 1, 2 and 6

/xcGRAPHFIX~

/gaRANGE1~bRANGE2~cRANGE6~q{graph}

{goto}PARK~

/xmPLOT5~

D146Rge

Plot Ranges 1, 4 and 6

/xcGRAPHFIX~

/gaRANGE1~bRANGE4~cRANGE6~q{graph}

{goto}PARK~

/xmPLOT6~

D346Rge

Plot Ranges 2, 4 and 6

/xcGRAPHFIX~

/gaRANGE3~bRANGE4~cRANGE6~q{graph}

{goto}PARK~

/xmplot7~

D1346Rge

Plot Ranges 1, 3, 4 and 6

/xcGRAPHFIX~

/gaRANGE1~bRANGE3~cRANGE4~dRANGE6~q{graph}

{goto}PARK~

/xmPLOT8~

5Range

Plot Range 5

/xcGRAPHFIX~

/gaRANGE5~q{graph}

{goto}PARK~

/xmPLOT1~

E16Range

Plot Ranges 1 and 6

/xcGRAPHFIX~

/gaRANGE1~bRANGE6~q{graph}

{goto}PARK~

/xmPLOT2~

E34Range

Plot Ranges 3 and 4

/xcGRAPHFIX~

/gaRANGE3~bRANGE4~q{graph}

{goto}PARK~

/xmPLOT3~

E56Range

Plot Ranges 5 and 6

/xcGRAPHFIX~

/gaRANGE5~bRANGE6~q{graph}

{goto}PARK~

/xmPLOT4~

E134Rge

Plot Ranges 1, 3 and 4

/xcGRAPHFIX~

/gaRANGE1~bRANGE3~cRANGE4~q{graph}

{goto}PARK~

/xmPLOT5~

E234Rge

Plot Ranges 2, 3 and 4

/xcGRAPHFIX~

/gaRANGE2~bRANGE3~cRANGE4~q{graph}

{goto}PARK~

/xmPLOT6~

E456Rge

Plot Ranges 4, 5 and 6

/xcGRAPHFIX~

/gaRANGE4~bRANGE5~cRANGE6~q{graph}

{goto}PARK~

/xmplot7~

E1456Rge

Plot Rranges 1, 4, 5 and 6

/xcGRAPHFIX~

/gaRANGE1~bRANGE4~cRANGE5~dRANGE6~q{graph}

{goto}PARK~

/xmPLOT8~

6Range
Plot Range 6
/xcGRAPHFIX~
/gaRANGE6~q{graph}
{goto}PARK~
/xmPLOT1~

NextMenu
Go to next plot menu
/xmPLOT3~

NextMenu
Go to next plot menu
/xmPLOT4~

NextMenu
Go to next plot menu
/xmPLOT5~

NextMenu
Go to next plot menu
/xmPLOT6~

NextMenu
Go to next plot menu
/xmPLOT7~

F1234Rge
Plot Ranges 1, 2, 3 and 4
/xcGRAPHFIX~
/gaRANGE1~bRANGE2~cRANGE3~dRANGE4~q{graph}
{goto}PARK~
/xmplot7~

Sheet1

F12345

Plot Ranges 1, 2, 3, 4 and 5

/xcGRAPHFIX~

/gaRANGE1~bRANGE2~cRANGE3~dRANGE4~eRANGE5~q{graph}

{goto}PARK~

/xmPLOT8~

NextMenu
Go to next plot menu
/XMPLLOT2~

Quit
Return to Ready Mode
/xmMENU~

PrevMenu
Go to previous Plot menu
/xmPLOT1~

Quit
Return to ready Mode
/xmMENU~

PrevMenu
Go to previous Plot menu
/xmPLOT2~

Quit
Return to ready Mode
/xmMENU~

PrevMenu
Go to previous Plot menu
/xmPLOT3~

Quit
Return to ready Mode
/xmMENU~

PrevMenu
Go to previous Plot menu
/xmPLOT4~

Quit
Return to ready Mode
/xmMENU~

PrevMenu
Go to previous Plot menu
/xmPLOT5~

Quit
Return to ready Mode
/xmMENU~

NextMenu
Go to next plot menu
/xmPLOT8~

Quit
Return to ready Mode
/xmMENU~

Sheet1

G123456

Plot Ranges 1, 2, 3, 4, 5 and 6

/xcGRAPHFIX~

/gaRANGE1~bRANGE2~cRANGE3~dRANGE4~eRANGE5~fRANGE6~q{graph}

{goto}PARK~

/xmPLOT8~

Quit

Return to Ready Mode

/xmMENU~