

```

*****
* SYNTAX FILE
* CJ405
*FILENAME HAND0910.SPS
* USED TO GENERATE OUTPUT DISCUSSED IN CLASS SEPTEMBER 10, 2001
* EVERY COMMENT LINE BEGINS WITH AN ASTERISK
* ALL SYNTAX FILES END WITH .SPS
* YOU MUST END COMMENT SECTION AS SHOWN BELOW
*****
* .
GET
  FILE='D:\CJ405_FA01\usdanu12.sav'.
EXECUTE .
*****
* YOU WILL TELL THE PROGRAM TO LOOK IN A DIFFERENT LOCATION FOR THE DATA FILE
* FOR EXAMPLE, IF IT IS ON YOUR A FLOPPY YOU WILL TELL IT
* FILE='A:\USDANU12.SAV' .
*****
* .
*****
* NOW THE BASIC STATISTICS
*****
* .
FREQUENCIES
  VARIABLES=violra85
  /NTILES= 4
  /STATISTICS=STDDEV VARIANCE MINIMUM MAXIMUM MEAN MEDIAN
  /HISTOGRAM
  /ORDER ANALYSIS .
*****
* LISTING THE CASES ALONG WITH STATE ID
* THIS COMMAND ONLY AVAILABLE BY SYNTAX
* WE WILL SORT THE DATA FIRST
* WILL ALSO ASK FOR THE NUMBER OF REPORTED VIOLENT CRIMES, IN THOUSANDS
*****
* .
SORT CASES BY
  violra85 (A) .
LIST statnam cenregna cendivna viol85 violra85 .
EXECUTE .
*****
* WE ARE NOW GOING TO GET A P-P PLOT OF VIOLRA85
*****
* .
PLOT
  /VARIABLES=violra85
  /NOLOG
  /NOSTANDARDIZE
  /TYPE=P-P
  /FRACTION=BLOM
  /TIES=MEAN
  /DIST=NORMAL.
*****
* NOW A STEM AND LEAF AND A HISTOGRAM
*****
* .
EXAMINE

```

```
VARIABLES=violra85
/PLOT STEMLEAF HISTOGRAM
/STATISTICS NONE
/CINTERVAL 95
/MISSING LISTWISE
/NOTOTAL.
*****
* NOW A QUANTILE PLOT
* COMPARING OBSERVED VALUES TO EXPECTED NORMAL VALUES
*****
*
PLOT
/VARIABLES=violra85
/NOLOG
/NOSTANDARDIZE
/TYPE=Q-Q
/FRACTION=BLOM
/TIES=MEAN
/DIST=NORMAL.
PLOT
/VARIABLES=viol85
/NOLOG
/NOSTANDARDIZE
/TYPE=Q-Q
/FRACTION=BLOM
/TIES=MEAN
/DIST=NORMAL.
```