**poscmd.bat Calls pxpos.bat and specifies 5 parameters:**

1. Posainp.drv which specifies POSAC/LSA parameters (See below)
2. Path to data file (supplied)
3. Path to POSAC output text file (to be created)
4. Path to LSA1 output text file (to be created)
5. Path to LSA2 output text file (to be created)

Example of poscmd contents:

pxpos posainp.drv d:\idoposac\KEDDIR2.dat d:\idoposac\KEDdiR2.pos d:\idoposac\KEDdiR2.ls1 d:\idoposac\KEDdiR2.ls2

**pxpos.bat calls the following programs:**

tnwposac\_32.exe %1 %2 %3

slsa1\_32.exe %4

slsa2\_32.exe %5

sshemor\_32.exe %1 %2 CON %6

posacsep\_32.exe POSACSEP.OUT POSACSEP.TAB (2 output files of posacsep program)

**posainp.drv specifies POSAC/LSA parameters as follows (A, B, C etc are first, Second, third etc lines. (But a letter may designate a set of consecutive lines with similar purpose. See line F).**

C A. TITLE CARD (COLUMNS 1 TO 80)

C

C B. PARAMETER CARD IN FORMAT 20I4 CONTAINING THE FOLLOWING

C INFORMATION

C 1) NV -

C NUMBER OF VARIABLES (INCLUDING THE EXTERNALS)

C 2) IDATA -

C IF IDATA=0 OR BLANK DATA ARE SUBJECTS

C IF IDATA.NE.0 DATA ARE PROFILES.

C 3) LOWFRQ -

C IF LOWFRQ=0 OR BLANK NO REJECTING PROFILES

C IF LOWFRQ.NE.0 REJECTING PROFILES WHOSE

C FREQUENCY IS .LE.LOWFRQ.

C 4) MISSNG

C IF MISSNG=0 OR BLANK 0 IS MISSING VALUE

C IF MISSNG.NE.0 MINIMAL AND MAXIMAL CATEGORIES

C HAVE TO BE SPECIFIED (SEE LINE D. BELOW)

C 5) IPOWER

C IF IPOWER=0 OR BLANK POWER OF THE BALANCING

C WEIGHTS ARE : ND1=4 FOR INCOMPARABLES

C ND2=4 FOR COMPARABLES

C IF IPOWER.NE.0 ND1 AND ND2 HAVE TO BE

C SPECIFIED (SEE LINE E. BELOW)

C 6) ITEMDGPLT

C IF ITEMDGPLT = 0 OR BLANK, ITEM DIAGRAMS ARE NOT

C PLOTTED

C IF ITEMDGPLT = 1, ITEM DIAGRAMS ARE PLOTTED.

C 7) NLAB -

C NUMBER OF VARIABLE LABELS . (SEE LINE F. BELOW)

C 8) NXT NUMBER OF EXTERNAL VARIABLES. (SEE LINE G. BELOW)

C 9) MAP NUMBER OF EXTERNAL TRAIT MAPS. (SEE LINE H. BELOW)

C 10) IEXTDIAG -

C IF IEXTDIAG=0 OR BLANK DO NOT PRINT EXTERNAL DIAGRAMS

C IF IEXTDIAG.NE.0 PRINT EXTERNAL DIAGRAMS

C 11) ITABLE

C IF ITABLE=0 OR BLANK COMPLETE PROCESS

C IF ITABLE.NE.0 ONLY LIST OF PROFILES

C WITH SOME INFORMATION.

C 12) INITX

C IF INITX=0 OR BLANK FIRST APPROXIMATION

C COMPUTED BY THE PROGRAM

C IF INITX.NE.0 FIRST APPROXIMATION GIVEN

C BY THE USER (SEE LINE I. BELOW)

C 13) IBOXSTRNG -

C IF IBOXSTRNG=0 OR BLANK USE DEFAULT GRAPHICS CHARACTERS

C IF IBOXSTRNG.NE.0 SUPPLY USER GRAPHICS CHARACTERS

C (SEE LINE J. BELOW)

C 14) IFF -

C IF IFF=0 OR BLANK USE DEFAULT FORM-FEED CHARACTER CHAR(12)

C IF IFF.NE.0 SUPPLY OTHER FORM-FEED CHARACTER

C (SEE LINE K. BELOW)

C 15) ITRM

C ITRM IS THE MAXIMUM NUMBER OF ITERATIONS TO BE USED.

C IF ITRM IS 0 OR BLANK, A DEFAULT VALUE OF 15 IS USED.

C 16) IWRTFLS

C IF IWRTFLS = 0, THE 4 ASCII OUTPUT FILES ARE NOT WRITTEN.

C IF IWRTFLS > 0, THE 4 ASCII OUTPUT FILES WITH EXTENSION .PSC

C ARE WRITTEN.

C 17) IFSHMR

C IF IFSHMR = 0, PROGRAM SHEMOR IS NOT TO BE RUN OR IS TO BE

C RUN USING DEFAULT RECODING CATEGORIES.

C IF IFSHMR = 1, PROGRAM SHEMOR IS TO BE RUN TAKING

C DIRECTIVES FROM THE END OF THIS FILE

C FOLLOWING LINE CONTAINING THE WORD SHEMOR

C IN COLUMNS 1-6 OF A LINE FOLLOWING ALL

C INFORMATION NEEDED FOR POSAC.

C (SEE LINE L. BELOW)

C 18) IFRQONE -

C IF IFRQONE = 0 OR BLANK, ACTUAL FREQUENCIES ARE USED.

C IF IFRQONE = 1, FREQUENCIES ARE ALL SET TO 1 (IF NOT

C REJECTED WHERE LOWFRQ IS SET).

C

C

C C. INPUT FORMAT FOR DATA (IN I-FORMAT)

C IF DATA ARE PROFILES THE FIRST SPECIFICATION

C MUST BE FOR THE PROFILE FREQUENCY

C IF DATA CONTAINS CASE ID IT SHOULD APPEAR AS THE FIRST

C ITEM IN THE FORMAT AND SHOULD BE IN A-FORMAT.

C

C D1. (REQUIRED ONLY IF MISSNG.NE.0)

C MINIMAL CATEGORY FOR EACH VARIABLE IN FORMAT 20I4

C

C D2. (REQUIRED ONLY IF MISSNG.NE.0)

C MAXIMAL CATEGORY FOR EACH VARIABLE IN FORMAT 20I4

C

C E. (REQUIRED ONLY IF IPOWER.NE.0)

C ND1,ND2 IN FORMAT 2I4

C ND1 BALANCING WEIGHT POWER FOR INCOMPARABLES 0.LE.ND1.LE.4

C ND2 BALANCING WEIGHT POWER FOR COMPARABLES 0.LE.ND2.LE.4

C

C F. (REQUIRED ONLY IF NLAB.NE.0)

C VARIABLE LABELS - A NUMBER (NLAB ABOVE) OF LINES IN THE FOLLOWING

C FORMAT : COL. 1- 4 - VARIABLE NO.

C COL. 11-50 - VARIABLE LABEL.

C

C G. (REQUIRED ONLY IF NXT.NE.0)

C HERE INSERT NXT CARDS TO DEFINE THE ADMISSIBLE CATEGORIES

C OF EACH EXTERNAL VARIABLE. THESE CATEGORIES MAY BE

C DEFINED AS A UNION OF SEVERAL INTERVALS

C FOR EACH CARD GIVE THE FOLLOWING INFORMATION IN FORMAT 20I4

C SERIAL NUMBER OF THE EXTERNAL VARIABLE,NUMBER OF INTERVALS,

C INTERVAL1,INTERVAL2,.....

C (EACH INTERVAL IS COMPOSED BY TWO NUMBERS . A SINGLE

C CATEGORY CAN BE DEFINED BY TWO EQUAL NUMBERS)

C THE NUMBER OF INTERVALS IS LIMITED TO 10

C

C H. (REQUIRED ONLY IF MAP.NE.0)

C HERE INSERT MAP\*(NXT+1) CARDS

C FOR EACH MAP GIVE :

C -A LABEL CARD TO IDENTIFY THE MAP (UP TO 40 CHARACTERS)

C -NXT CARDS WHERE IN EACH CARD ARE DEFINED THE CATEGORIES

C DEFINING THE TRAIT IN THIS EXTERNAL VARIABLE

C THE FORMAT IS AS IN G. 20I4

C SERIAL NUMBER OF THE EXTERNAL VARIABLE,NUMBER OF INTERVALS,

C INTERVAL1,INTERVAL2,.....

C

C

C I1. (REQUIRED ONLY IF INITX.NE.0)

C INPUT FORMAT FOR INITIAL APPROXIMATION

C

C I2. (REQUIRED ONLY IF INITX.NE.0)

C INITIAL APPROXIMATION

C X AND Y COORDINATES FOR EACH PROFILE

C ACCORDING TO THE INPUT FORMAT 9A.

C

C J. (REQUIRED ONLY IF IBOXSTRNG.NE.0)

C HERE INSERT ONE LINE OF 8 CHARACTERS FOR PRINTING DIAGRAMS' FRAMES

C IN THE FOLLOWING ORDER :TOP,BOTTOM,LEFT,RIGHT

C TOPLEFT,TOPRIGHT,BOTTOMLEFT,BOTTOMRIGHT

C

C K. (REQUIRED ONLY IF IFF.NE.0)

C HERE INSERT ONE LINE OF ONE CHARACTER WHICH WILL SUBSTITUTE ALL

C DEFAULT FORM-FEED CHARACTERS (CHAR(12)) IN OUTPUT PRODUCED

C BY PROGRAM.

C

C

C L. (DIRECTIVES FOR PROGRAM SHEMOR. REQUIRED ONLY IF IFSHMR IS NOT 0).

C THE FIRST LINE CONTAINS THE WORD SHEMOR IN COLUMNS 1-6.

C THE FIRST SENTENCE INDICATES THE RECORD LENGTH OF RAW DATA 'OLDDAT'

C FOR EXAMPLE :

C RECORD LENGTH 120

C IF SUCH A SENTENCE IS ABSENT THE DEFAULT IS 80

C

C THE FOLLOWING SENTENCES INDICATE THE RECODING OF THE ORIGINAL

C COORDINATES X Y J L BEFORE THEY ARE ADDED TO RAW DATA

C THE TYPE OF SUCH A SENTENCE IS :

C

C FOR V1,V2,... RECODE N11 THRU N12 = L1, N21 THRU N22=L2 ,

C N31 THRU N32 =L3 , ......... , NM1 THRU NM2 = LM .

C

C WHERE :

C THE VARIABLE LIST V1,V2,... IS THE LIST X,Y,J,L OR A PART OF IT

C THE NUMBERS NI1,NI2,LI (I=1,...,M) ARE INTEGER NUMBERS

C FOR EXAMPLE :

C

C FOR X,Y RECODE 0 THRU 45 = 1, 46 THRU 75 =2, 76 THRU 100= 3.

C FOR J RECODE 0 THRU 60 =1 , 61 THRU 110 =2,111 THRU 150 = 3,

C 151 THRU 200 = 4 .

C FOR L RECODE 0 THRU 100 =1 , 101 THRU 200 = 2 .

C

C HERE ALSO THERE ARE DEFAULTS :

C

C FOR X,Y RECODE 0 THRU 25 = 1 , 26 THRU 50 = 2 ,

C 51 THRU 75 = 3 , 76 THRU 100 = 4 .

C

C FOR J,L RECODE 0 THRU 50 = 1 , 51 THRU 100 = 2 ,

C 101 THRU 150 = 3 , 151 THRU 200 = 4 .

**Example**

kedar dj 24v 187pp diff dich: 1 2 3->2, 4 5 ->1

9 0 0 0 1 1 9 1 4 1 0 0 0 0 15 0 0 0

(T17,I1,T18,I1,T19,I1,T20,I1,T21,I1,T22,I1,T23,I1,T24,I1,T25,I1)

4 4

1 ut

2 ut

3 ut

4 eq

5 fr

6 fr

7 ca

8 ca

9 xv1

9 1 6 9

trait1

9 1 6 6

trait2

9 1 7 7

trait3

9 1 8 8

trait4

9 1 9 9