

388888	3333333333	2222222222	00000000	SSSSSSSSSS	11	4444					
388888	3333333333	2222222222	0000000000	SSSSSSSSSSSS	111	4444					
88	33	33	22	22	00	0000	SS	SS	1111	44	44
88		33		22	00	00	00	SS	11	44	44
		33		22	00	00	00	SSS	11	44	44
	3333		22	00	00	00	SSSSSSSSSS	11	4444444444		
	3333		22	00	00	00	SSSSSSSSSS	11	444444444444		
	33	22		00	00	00	SSS	11	44		
	33	22		0000	00		SS	11	44		
33	33	22		000	00	SS	SS	11	44		
3333333333	222222222222	0000000000	SSSSSSSSSSSS	1111111111	44						
3333333333	222222222222	000000000	SSSSSSSSSS	1111111111	44						

2222222	77777777777	6666666666	AAAAAAAAA
2222222	7777777777	666666666666	AAAAAAAAAAAA
22	77	66	66
22	77	66	66
22	77	66	66
22	77	66666666666	AAAAAAAAAAAA
22	77	666666666666	AAAAAAAAAAAA
22	77	66	66
22	77	66	66
22	77	66	66
22222222	77	666666666666	AA
22222222	77	66666666666	AA

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J E S 2 J O B L O G

12.51.39 JOB 276 \$HASP373 T8320S14 STARTED - INIT 5 - CLASS K - SYS IPO1
 12.51.39 JOB 276 IEF4031 T8320S14 - STARTED - TIME=12.51.39
 12.51.46 JOB 276 *IEF233A M 281,MUMPS1,,T8320S14,SAS
 12.53.12 JOB 276 *IEF234E K 281,MUMPS1,PVT,T8320S14,SAS
 12.53.12 JOB 276 -
 12.53.12 JOB 276 -JOBNAME STEPNAME PROCSTEP EXCP CPU SRB CLOCK SERV PG PAGE SWAP VIO SWAPS RC
 12.53.13 JOB 276 -T8320S14 SAS 76 .05 .00 1.5 2602 1 176 0 0 0 00
 12.53.14 JOB 276 IEF4041 T8320S14 - ENDED - TIME=12.53.14
 12.53.14 JOB 276 -T8320S14 ENDED. NAME=PLP TOTAL CPU TIME= .05 TOTAL ELAPSED TIME= 1.5
 12.53.14 JOB 276 \$HASP395 T8320S14 ENDED

JES2 JOB STATISTICS

15 JUL 81 JOB EXECUTION DATE

37 CARDS READ

287 SYSOUT PRINT RECORDS

0 SYSOUT PUNCH RECORDS

1.61 MINUTES EXECUTION TIME

DD 095593
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```

1 //T8320S14 JOB 'SAS ANALYSIS-LAB',PLP,COND=(5,LT),CLASS=K          JOB 276
2 // EXEC SAS
3 XXSAS PROC OPTIONS=,SORT=4,ENTRY=SAS                                01400310
*****                                                                01400320
*** STATISTICAL ANALYSIS SYSTEM, VERSION 79.5                        *** 01400330
*** DOCUMENTATION: SAS USER'S GUIDE, 1979 EDITION                    *** 01400340
*** ENHANCEMENTS: SAS TECHNICAL REPORT P-115                         *** 01400350
*** FROM: SAS INSTITUTE INC., BOX 8000, CARY, NC 27511              *** 01400360
*****                                                                01400370
4 XXSAS EXEC PGM=ENTRY,PARM=*,OPTIONS SORT=&SORT'                      01400380
5 XXLIBRARY DD DSN=&LIBRARY,UNIT=SYSDA,SPACE=(CYL,(1,,20)),           01400390
XX DISP=(MOD,PASS)                                                    01400400
6 XXSTEPLIB DD DSN=SAS795.LIBRARY,DISP=SHR                           01400410
7 XX DD DSN=PLI.LINKLIB,DISP=SHR <==VERIFY                          01400420
8 XX DD DSN=ICE.LINKLIB,DISP=SHR <==VERIFY                          01400430
9 XX DD DSN=*.LIBRARY,DISP=(OLD,PASS),VOL=REF=*.LIBRARY             01400440
10 XXWORK DD UNIT=SYSDA,SPACE=(6160,(500,200),,,ROUND) SAS WORK SPACE 01400450
11 XXFT11F001 DD SYSOUT=A,DCB=(BLKSIZE=141,LRECL=137,RECFM=VBA) LOG 01400460
12 XXFT12F001 DD SYSOUT=A,DCB=(BLKSIZE=141,LRECL=137,RECFM=VBA) PRINT 01400470
13 XXFT13F001 DD SYSOUT=B,DCB=(RECFM=F,BLKSIZE=80) PUNCH            01400480
14 XXFT15F001 DD UNIT=SYSDA,SPACE=(400,(100,300)), PARMCARDS        01400490
XX DCB=(RECFM=FB,LRECL=80,BLKSIZE=400,BUFNO=1)                      01400500
***** SORT UTILITY DATA SET DEFINITIONS (NOT NEEDED IF MVS)      01400510
15 XXSYSOUT DD SYSOUT=A,DCB=BUFNO=1 OR DDNAME=SORTMSG               01400520
16 XXSORTLIB DD DSN=ICE.SORTLIB,DISP=SHR                            01400530
17 XXSORTWK01 DD SPACE=(CYL,(&SORT),,CONTIG),UNIT=SYSDA             01400540
18 XXSORTWK02 DD SPACE=(CYL,(&SORT),,CONTIG),UNIT=(SYSDA,,SEP=(SORTWK01)) 01400550
19 XXSORTWK03 DD SPACE=(CYL,(&SORT),,CONTIG),UNIT=(SYSDA,,SEP=(SORTWK01, 01400560
XX SORTWK02))                                                         01400570
20 //A1 DD DSN=MUMPS.SRC,
// UNIT=TAPE,
// VOL=SER=MUMPS1,
// DCB=(LRECL=80,BLKSIZE=400,RECFM=FB),
// DISP=(NEW,DELETE,DELETE)
21 //SYSIN DD * GENERATED STATEMENT
//

```

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STMT NO. MESSAGE

```

4      IEF653I SUBSTITUTION JCL - PGM=SAS,PARM=' SORT=4'
17     IEF653I SUBSTITUTION JCL - SPACE=(CYL,(4),,CONTIG),UNIT=SYSDA
18     IEF653I SUBSTITUTION JCL - SPACE=(CYL,(4),,CONTIG),UNIT=(SYSDA,,SEP=(SORTWK01))
19     IEF653I SUBSTITUTION JCL - SPACE=(CYL,(4),,CONTIG),UNIT=(SYSDA,,SEP=(SORTWK01),

IEF236I ALLOC. FOR T8320S14 SAS
IEF237I 140 ALLOCATED TO LIBRARY
IEF237I 144 ALLOCATED TO STEPLIB
IEF237I 144 ALLOCATED TO
IEF237I 144 ALLOCATED TO
IEF237I 140 ALLOCATED TO
IEF237I 148 ALLOCATED TO SYS00008
IEF237I 153 ALLOCATED TO WORK
IEF237I JES2 ALLOCATED TO FT11F001
IEF237I JES2 ALLOCATED TO FT12F001
IEF237I JES2 ALLOCATED TO FT13F001
IEF237I 153 ALLOCATED TO FT15F001
IEF237I JES2 ALLOCATED TO SYSOUT
IEF237I 144 ALLOCATED TO SORTLIB
IEF237I 153 ALLOCATED TO SORTWK01
IEF237I 153 ALLOCATED TO SORTWK02
IEF237I 153 ALLOCATED TO SORTWK03
IEF237I 281 ALLOCATED TO A1
IEF237I JES2 ALLOCATED TO SYSIN
IEF142I T8320S14 SAS - STEP WAS EXECUTED - COND CODE 0000
IEF285I SYS81196.T125138.RA000.T8320S14.LIBRARY PASSED
IEF285I VOL SER NOS= WORK01.
IEF285I SAS795.LIBRARY KEPT
IEF285I VOL SER NOS= LIB002.
IEF285I PL1.LINKLIB KEPT
IEF285I VOL SER NOS= LIB002.
IEF285I ICE.LINKLIB KEPT
IEF285I VOL SER NOS= LIB002.
IEF285I SYS81196.T125138.RA000.T8320S14.LIBRARY PASSED
IEF285I VOL SER NOS= WORK01.
IEF285I SYSCTLG.VLIB001 KEPT
IEF285I VOL SER NOS= LIB001.
IEF285I SYS81196.T125138.RA000.T8320S14.R0000001 DELETED
IEF285I VOL SER NOS= DATA01.
IEF285I JES2.JOB00276.S00102 SYSOUT
IEF285I JES2.JOB00276.S00103 SYSOUT
IEF285I JES2.JOB00276.S00104 SYSOUT
IEF285I SYS81196.T125138.RA000.T8320S14.R0000002 DELETED
IEF285I VOL SER NOS= DATA01.
IEF285I JES2.JOB00276.S00105 SYSOUT
IEF285I ICE.SORTLIB KEPT
IEF285I VOL SER NOS= LIB002.
IEF285I SYS81196.T125138.RA000.T8320S14.R0000003 DELETED
IEF285I VOL SER NOS= DATA01.
IEF285I SYS81196.T125138.RA000.T8320S14.R0000004 DELETED
IEF285I VOL SER NOS= DATA01.
IEF285I SYS81196.T125138.RA000.T8320S14.R0000005 DELETED
IEF285I VOL SER NOS= DATA01.
IEF285I MUMPS.SRC DELETED
IEF285I VOL SER NOS= MUMPS1.
IEF285I JES2.JOB00276.S10101 SYSIN
IEF373I STEP /SAS / START 81196.1251
IEF374I STEP /SAS / STOP 81196.1253 CPU OMN 03.05SEC SRB OMN 00.43SEC VIRT 512K SYS 228K
IEF237I 140 ALLOCATED TO SYS00001
IEF285I SYS81196.T125138.RA000.T8320S14.R0000001 KEPT
IEF285I VOL SER NOS= WORK01.
IEF285I SYS81196.T125138.RA000.T8320S14.LIBRARY DELETED

```

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IEF285I VOL SER NOS= WORK01.
IEF375I JOB /T8320S14/ START 81196.1251
IEF376I JOB /T8320S14/ STOP 81196.1253 CPU OMIN 03.05SEC SRR OMIN 00.43SEC

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NOTE: SAS OPTIONS SPECIFIED ARE:
SORT=4

```
1 DATA LABDATA;  
2 INFILE A1;  
3 INPUT @1 HGB 3.1 @15 HGB1 3.1;  
4 IF HGB=*. AND HGB1=*.;
```

```

NOTE: INFILE AT IS:
      DSNAME=MUMPS.SRC,
      UNIT=TAPE,VOL=SER=MUMPS1,DISP=NEW,
      DCB=(BLKSIZE=400,LRECL=80,RECFM=FB)

```

NOTE: INVALID DATA FOR HGB IN LINE 85 1-3. 3:15
NOTE: INVALID DATA FOR HGB1 IN LINE 85 15-17. 3:28

RULE: 1234567 101234567 201234567 301234567 401234567 501234567 601234567 701234567 80

[illegible]

```

HGB#.  HGB1=.  ERROR=1  N=85

```

NOTE: 85 LINES WERE READ FROM INFILE A1.

NOTE: DATA SET WORK.LABDATA HAS 84 OBSERVATIONS AND 2 VARIABLES. 651 OBS/TRK.

*NOTE: THE DATA STATEMENT USED 0.54 SECONDS AND 184K.

```

5      DATA SCRDATA;
6      SET LABDATA;
7      IF HGB<14.0 THEN EY=1;
8      ELSE IF HGB>18.0 THEN EY=3;
9      ELSE EY=2;
10     IF HGB1<14.0 THEN CY=I;
11     ELSE IF HGB1>18.0 THEN CY=3;
12     ELSE CY=2;

```

NOTE: DATA SET WORK.SCRDATA HAS 84 OBSERVATIONS AND 4 VARIABLES. 361 OBS/TRK.
NOTE: THE DATA STATEMENT USED 0.37 SECONDS AND 184K.

```
PROC PRINT N DATA=SCRDATA;
```

*NOTE: THE PROCEDURE PRINT USED 0.90 SECONDS AND 244K AND PRINTED PAGES 1 TO 2.

```

14 DATA _NULL_;
15 SET SCRDATA END=EOF;
16 FILE PRINT;
17 TITLE MEAN SCORE MANTEL-HAENSZEL TEST FOR DISCRETE DATA;
18 TITLE3 HGB IS VARIABLE BEING ANALYZED;
19 IF CY= EY THEN DO;
20 NUM+(EY-CY);
21 DEN+((EY-CY)**2);
22 END;
23 IF EOF THEN DO;
24 XSQED=(NUM**2)/DEN;

```

2

STATISTICAL ANALYSIS SYSTEM

12:51 WEDNESDAY, JULY 15, 1981

25 PUT _PAGE_ ;
26 PUT ////////////////////////////////////MANTEL-HAENSZEL MEAN SCORE TEST USING*
27 * SCORES 1,2, AND 3 (WITH 1 D.F.) - * XSQED;
28 END;

NOTE: 8 LINES WERE WRITTEN TO FILE PRINT.

NOTE: THE DATA STATEMENT USED 0.54 SECONDS AND 184K AND PRINTED PAGE 3.

NOTE: SAS USED 244K MEMORY.

NOTE: SAS INSTITUTE INC.
SAS CIRCLE
BOX 8000
CARY, N.C. 27511

DO 095598
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