

## บรรณานุกรม



## ภาษาไทย

ศ.พ. กิลฟอร์ด , และเบนจามิน ฟร็อยเตอร์ สถิติมูลฐานทางจิตวิทยาและการศึกษา แปลโดย  
ส่วลัดดี ประทุมราช กรุงเทพมหานคร, สำนักพิมพ์ศูนย์ส่งเสริมวิชาการ, 2526

เทียนฉาย กีระนันทน์ และคณะ รายงานการวิจัยโครงการสำรวจสภาวะทางเศรษฐกิจ สังคม  
และประชากรของกรุงเทพมหานคร. 2 เล่ม กรุงเทพมหานคร : โรงพิมพ์จุฬาลงกรณ์-  
มหาวิทยาลัย, 2525

สุ่ยชาติ ประสิทธิ์รัฐสินธุ์ ธีรชัย อาทรรุระสุ่ย และพิสิฐ คู่กรัยพงศ์ สถิติสำหรับการวิจัย  
ทางสังคมศาสตร์ พิมพ์ครั้งที่ 1 กรุงเทพมหานคร : สำนักพิมพ์ไทยวัฒนาพานิช, 2523

สุ่ยชาติ ประสิทธิ์รัฐสินธุ์ บุญธรรม กิจปรตาศรสุ่ยธี ระเบียบวิธีการวิจัยทางสังคมศาสตร์  
กรุงเทพมหานคร : โรงพิมพ์เจริญวิทยการพิมพ์, คณะสังคมศาสตร์และมนุษยศาสตร์  
2521

## เอกสารอัดสำเนา

รัชราภรณ์ สุริยาภิวัฒน์ "ชีวสถิติ" กรุงเทพมหานคร : คณะพาณิชย์ศาสตร์และการบัญชี  
จุฬาลงกรณ์มหาวิทยาลัย, 2527

## ภาษาอังกฤษ

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ศูนย์วิทยทรัพยากร  
จุฬาลงกรณ์มหาวิทยาลัย



ภาคผนวก

ศูนย์วิทยทรัพยากร  
จุฬาลงกรณ์มหาวิทยาลัย

## ภาคผนวก ก

## ตัวแปรที่ใช้ในการวิจัย

## DECK 01

- |    |          |         |  |
|----|----------|---------|--|
| 1. | AGE      | หมายถึง | อายุหัวหน้าครัวเรือน                                       |
| 2. | MONTH    | หมายถึง | ระยะเวลาที่อยู่ที่นี่                                      |
| 3. | NUM      | หมายถึง | จำนวนคนในครัวเรือน   |
| 4. | NUMNO    | หมายถึง | จำนวนคนที่อาศัยอยู่และไม่มีความสัมพันธ์สันติญาติกับหัวหน้า |
| 5. | NUMPOWER | หมายถึง | จำนวนสมาชิกครัวเรือนในวัยแรงงาน                            |

## DECK 02

- |     |    |         |                                   |
|-----|----|---------|-----------------------------------|
| 6.  | TA | หมายถึง | ระยะเวลาที่เป็นสมาชิกสหกรณ์       |
| 7.  | NB | หมายถึง | จำนวนสมาชิกที่เป็นสมาชิก          |
| 8.  | TB | หมายถึง | ระยะเวลาที่เป็นสมาชิกสมาคม        |
| 9.  | TC | หมายถึง | ระยะเวลาที่เป็นสมาชิกสโมสร        |
| 10. | TD | หมายถึง | ระยะเวลาที่เป็นสมาชิกมูลนิธิ      |
| 11. | TE | หมายถึง | ระยะเวลาที่เป็นสมาชิกพรรคการเมือง |

## DECK 03

- |     |          |         |                            |
|-----|----------|---------|----------------------------|
| 12. | EXCRCISE | หมายถึง | เวลาที่ออกกำลังกาย/สัปดาห์ |
| 13. | SLEEP    | หมายถึง | เวลานอนหลับปกติ/วัน        |
| 14. | REST     | หมายถึง | เวลาที่พักผ่อน/วัน         |
| 15. | DOG      | หมายถึง | จำนวนสุนัข                 |
| 16. | CAT      | หมายถึง | จำนวนแมว                   |

## DECK 04

17. TRANSFER หมายถึง จำนวนสมาชิกที่ย้ายถิ่น
18. MARRY หมายถึง จำนวนครั้งของการสมรส

## DECK 05

19. HOUR หมายถึง จำนวนชั่วโมง / วัน ของอาชีพหลัก
20. DAY หมายถึง จำนวนวัน / สัปดาห์ของอาชีพหลัก
21. INCOME หมายถึง รายได้ / เดือนของอาชีพหลัก
22. TIME หมายถึง จำนวนชั่วโมง / วันของอาชีพรอง
23. DATE หมายถึง จำนวนวัน / สัปดาห์ของอาชีพรอง
24. PAY หมายถึง รายได้ / เดือนของอาชีพรอง
25. DISTANCE หมายถึง ระยะทางไป-กลับปกติ
26. DIST หมายถึง ระยะทางไป-กลับ ช่วงรถติดใช้เวลาเดินทาง
27. DISPASS หมายถึง ระยะทางไป-กลับ ช่วงรถไม่ติดใช้เวลาเดินทาง
28. EXPEN หมายถึง รายจ่าย / เดือน
29. FOOD หมายถึง ค่าอาหาร / เดือน
30. GAS หมายถึง ค่าแก๊ส / เดือน
31. ELECTRIC หมายถึง ค่าไฟฟ้า / เดือน
32. WATER หมายถึง ค่าน้ำประปา / เดือน

## DECK 06

33. TELEPHO หมายถึง ค่าโทรศัพท์ / เดือน
34. RENT หมายถึง ค่าเช่าบ้าน
35. OIL หมายถึง ค่าน้ำมันรถ / แก๊สรถ
36. FARE หมายถึง ค่าใช้จ่ายเดินทางประจำวัน
37. MONEY หมายถึง ค่าผ่อนส่งทรัพย์สิน

## DECK 06

38. EXPENSES	หมายถึง	ค่าใช้จ่ายอื่น
39. INCOMES	หมายถึง	รายได้/เดือนของสมาชิก
40. INCOMEB	หมายถึง	รายได้/เดือนจากแหล่งอื่น
41. EMPLOYEE	หมายถึง	จำนวนลูกจ้างทำงานบ้าน-ประจำ
42. EMPLOY	หมายถึง	จำนวนลูกจ้างทำงานบ้าน-ไปกลับ
43. BUSI	หมายถึง	จำนวนลูกจ้างช่วยประกอบธุรกิจประจำ
44. BUSIN	หมายถึง	จำนวนลูกจ้างช่วยธุรกิจ-ไปกลับ
45. BUSINE	หมายถึง	จำนวนลูกจ้างช่วยงานบ้านและธุรกิจ-ประจำ
46. BUSINESS	หมายถึง	จำนวนลูกจ้างช่วยงานบ้านและธุรกิจ-ไปกลับ
47. LAND	หมายถึง	ขนาดที่ดินที่อาศัยอยู่ในปัจจุบัน
48. LANDBK	หมายถึง	ขนาดที่ดินในกรุงเทพมหานคร

## DECK 07

49. LANDCT	หมายถึง	ขนาดที่ดินในต่างจังหวัด
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## DECK 08

50. CAR	หมายถึง	จำนวนรถ
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## โปรแกรมที่ใช้ในการวิเคราะห์

```

*****
//ZEAV3333 JOB MSGCLASS=A,CLASS=T,MSGLEVEL=(1,1),TYPRUN=HOLD
LOG IEF4031 ZEAV3333 STARTED TIME=16.04.14
LOG IEF233A M 281,CU2+29,,ZEAV3333,GG
LOG IEF280E K 281,CU2+29,ZEAV3333,GG
LOG IEF4041 ZEAV3333 ENDED TIME=16.16.55
//
EXEC SPSSX,TIME=60
XASPSSX PKOC SCRUNIT=SYSDA, DASJ GROUP NAME 0000010
XX CYLS='3,5', SCRATCH SPACE ALLOCATION 0000020
XX BLOCK=4096, BLOCK SIZE FOR SCRATCH FILES 0000030
XX BUFFERS=2, BUFFER ALLOCATION FOR SCRATCH FILES 0000040
XX A=A, OUTPUT CLASS = R 0000050
XX COPY=1 OUTPUT COPY = NAN 0000060
*** 0000070
XXGO EXEC PG4=SPSSX 0000080
XXSTEPLIB DD DSN=SPSSX21.LOADLIB,DISP=SHR 0000090
XXSPSSERR DD DSN=SPSSX21.ERRFIL,DISP=SHR 0000100
XXSPSSINFO DD DSN=SPSSX21.INFCFIL,DISP=SHR 0000110
XXFT06FOO1 DD SYSOUT=6A,COPIES=6COPY 0000120
IEF6531 SUBSTITUTION JCL - SYSOUT=A,COPIES=1
XXFT07FOO1 DD DUMMY,DCB=(RECFM=F,LRECL=13,BLKSIZE=133) 0000130
XXFT31FOO1 DD SYSOUT=6A,DCB=(RECFM=F,BLKSIZE=132) 0000140
IEF6531 SUBSTITUTION JCL - SYSOUT=A,DCB=(RECFM=F,BLKSIZE=132)
XXSORTLIB DD DSN=SYS1.SORTLIB,DISP=SHR 0000150
XXSORTWK01 DD UNIT=6SCRUNIT,SPACE=(CYL,(6CYLS)),VCL=SER=VS1WK1 0000160
IEF6531 SUBSTITUTION JCL - UNIT=SYSDA,SPACE=(CYL,(3,5)),VCL=SER=VS1WK1
XXSORTWK02 DD UNIT=6SCRUNIT,SPACE=(CYL,(6CYLS)),VCL=SER=VS1WK2 0000170
IEF6531 SUBSTITUTION JCL - UNIT=SYSDA,SPACE=(CYL,(3,5)),VCL=SER=VS1WK2
XXSORTWK03 DD UNIT=6SCRUNIT,SPACE=(CYL,(6CYLS)),VCL=SER=VS1WK3 0000180
IEF6531 SUBSTITUTION JCL - UNIT=SYSDA,SPACE=(CYL,(3,5)),VCL=SER=VS1WK3
XXSYSOUT DD SYSOUT=6A,COPIES=6COPY 0000190
IEF6531 SUBSTITUTION JCL - SYSOUT=A,COPIES=1
XXSYSUT1 DD UNIT=6SCRUNIT,SPACE=(TRK,(40,40)),VCL=SER=VS1WK1, 0000200
IEF6531 SUBSTITUTION JCL - UNIT=SYSDA,SPACE=(TRK,(40,40)),VCL=SER=VS1WK1,
XX DCB=BUFNO=6BUFFERS 0000210
IEF6531 SUBSTITUTION JCL - DCB=BUFNO=2 0000220
XXSYSUT2 DD UNIT=6SCRUNIT,SPACE=(CYL,(6CYLS)),VCL=SER=VS1WK2,
IEF6531 SUBSTITUTION JCL - UNIT=SYSDA,SPACE=(CYL,(3,5)),VCL=SER=VS1WK2,
XX DCB=(BUFNO=6BUFFERS,BLKSIZE=6BLOCK) 0000230
IEF6531 SUBSTITUTION JCL - DCB=(BUFNO=2,BLKSIZE=4096)
XXSYSUT3 DD UNIT=6SCRUNIT,SPACE=(CYL,(6CYLS)),VCL=SER=VS1WK3,
IEF6531 SUBSTITUTION JCL - UNIT=SYSDA,SPACE=(CYL,(3,5)),VCL=SER=VS1WK3,
XX DCB=(BUFNO=6BUFFERS,BLKSIZE=6BLOCK) 0000250
IEF6531 SUBSTITUTION JCL - DCB=(BUFNO=2,BLKSIZE=4096)
XXSYSUT4 DD UNIT=6SCRUNIT,SPACE=(CYL,(6CYLS)),VCL=SER=VS1WK1,
IEF6531 SUBSTITUTION JCL - UNIT=SYSDA,SPACE=(CYL,(3,5)),VCL=SER=VS1WK1,
XX DCB=(BUFNO=6BUFFERS,BLKSIZE=6BLOCK) 0000270
IEF6531 SUBSTITUTION JCL - DCB=(BUFNO=2,BLKSIZE=4096)
XXSYSUT5 DD UNIT=6SCRUNIT,SPACE=(CYL,(6CYLS)),VCL=SER=VS1WK2,
IEF6531 SUBSTITUTION JCL - UNIT=SYSDA,SPACE=(CYL,(3,5)),VCL=SER=VS1WK2,
XX DCB=BUFNO=6BUFFERS 0000290
IEF6531 SUBSTITUTION JCL - DCB=BUFNO=2 0000300
XXTEMP1 DD UNIT=6SCRUNIT,SPACE=(CYL,(6CYLS)),VCL=SER=VS1WK3,
IEF6531 SUBSTITUTION JCL - UNIT=SYSDA,SPACE=(CYL,(3,5)),VCL=SER=VS1WK3,
XX DCB=(BUFNO=6BUFFERS,BLKSIZE=6BLOCK) 0000310
IEF6531 SUBSTITUTION JCL - DCB=(BUFNO=2,BLKSIZE=4096)
XXTEMP2 DD UNIT=6SCRUNIT,SPACE=(CYL,(6CYLS)),VCL=SER=VS1WK2,
IEF6531 SUBSTITUTION JCL - UNIT=SYSDA,SPACE=(CYL,(3,5)),VCL=SER=VS1WK2,
XX DCB=(BUFNO=6BUFFERS,BLKSIZE=6BLOCK) 0000330
IEF6531 SUBSTITUTION JCL - DCB=(BUFNO=2,BLKSIZE=4096) 0000340
***
//BKPEOP DD UNIT=TAPE,DCB=(RECFM=F3,LRECL=80,BLKSIZE=880),
// DISP=(OLD,PASS),LABEL=(,LT4),VCL=SER=CU2+29
//SYSIN DD * GENERATED STMT
//
IEF2361 ALLOC. FOR ZEAV3333 JO
IEF2371 105 ALLOCATED TO STEPLIB
IEF2371 105 ALLOCATED TO SPSSERR
IEF2371 105 ALLOCATED TO SPSSINFO
IEF2371 104 ALLOCATED TO SORTLIB
IEF2371 103 ALLOCATED TO SORTWK01
IEF2371 105 ALLOCATED TO SORTWK02
IEF2371 105 ALLOCATED TO SORTWK03
IEF2371 103 ALLOCATED TO SYSUT1
IEF2371 105 ALLOCATED TO SYSUT2
IEF2371 106 ALLOCATED TO SYSUT3
IEF2371 103 ALLOCATED TO SYSUT4
IEF2371 105 ALLOCATED TO SYSUT5

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IEF237I IC6 ALLOCATED TO TEMP1
IEF237I IC5 ALLOCATED TO TEMP2
IEF237I 281 ALLOCATED TO BKPEUP
IEF142I - STEP WAS EXECUTED - COND CODE 0000
IEF285I SPSSX21.LOADLIB KEPT
IEF285I VCL SER NOS= VS1WK2 KEPT
IEF285I SPSSX21.ERRFIL KEPT
IEF285I VCL SER NOS= VS1WK2 KEPT
IEF285I SPSSX21.INFDFIL KEPT
IEF285I VCL SER NOS= VS1WK2 KEPT
IEF285I SYS1.SORTLIB KEPT
IEF285I VCL SER NOS= VS1CUI KEPT
IEF285I SYS86102.T160413.RF102.ZEAV3333.ROCC0001 DELETED
IEF285I VCL SER NOS= VS1WK1 DELETED
IEF285I SYS86102.T160413.RF102.ZEAV3333.ROCC0002 DELETED
IEF285I VCL SER NOS= VS1WK2 DELETED
IEF285I SYS86102.T160413.RF102.ZEAV3333.ROCC0003 DELETED
IEF285I VCL SER NOS= VS1WK3 DELETED
IEF285I SYS86102.T160413.RF102.ZEAV3333.ROCC0004 DELETED
IEF285I VCL SER NOS= VS1WK1 DELETED
IEF285I SYS86102.T160413.RF102.ZEAV3333.ROCC0005 DELETED
IEF285I VCL SER NOS= VS1WK2 DELETED
IEF285I SYS86102.T160413.RF102.ZEAV3333.ROCC0006 DELETED
IEF285I VCL SER NOS= VS1WK3 DELETED
IEF285I SYS86102.T160413.RF102.ZEAV3333.ROCC0007 DELETED
IEF285I VCL SER NOS= VS1WK1 DELETED
IEF285I SYS86102.T160413.RF102.ZEAV3333.ROCC0008 DELETED
IEF285I VCL SER NOS= VS1WK2 DELETED
IEF285I SYS86102.T160413.RF102.ZEAV3333.ROCC0009 DELETED
IEF285I VCL SER NOS= VS1WK3 DELETED
IEF285I SYS86102.T160413.RF102.ZEAV3333.ROCC0010 DELETED
IEF285I VCL SER NOS= VS1WK2 DELETED
IEF285I SYS86102.T160413.RF102.ZEAV3333.ROCC0011 PASSEL
IEF285I VCL SER NOS= CU2429
IEF373I STEP /GO / START 86102.1604
IEF374I STEP /GO / STOP 86102.1616 CPU 6MIN 28.11SEC STOR VIRT1536K
IEF285I SYS86102.T160413.RF102.ZEAV3333.ROCC0011 KEPT
IEF285I VCL SER NOS= CU2429
IEF260E K 281,CJ2429,ZEAV3333,JG
IEF298I ZEAV3333 SYSOUT=A
IEF375I JOB /ZEAV3333/ START 86102.1604
IEF376I JOB /ZEAV3333/ STOP 86102.1616 CPU 6MIN 28.11SEC
    
```

12 APR 86 SPSS-X RELEASE 2.1 FOR IBM OS 3 MVS  
 15:04:27 \*\*C H J L A L U N G K O R \*\* I B M - 3 0 3 1 J S / V S 1

```

SSSSSSS PPPPPPP SSSSSSS SSSSSSS XX XX 222222 1
SSSSSSSS PPPPPPPP SSSSSSSS SSSSSSSS XX XX 22222222 11
SS SS PP PP SS SS SS XX XX 22 111
SS FP PP SS SS XX XX 22 11
SSSSSSSS PPPPPPPP SSSSSSSS SSSSSSSS === XXX 22 11
SSSSSSSS PPPPPPPP SSSSSSSS SSSSSSSS === XXX 22 11
SS SS PP SS SS SS XX XX 22 11
SS SS PP SS SS SS XX XX 22 11
SSSSSSSS PP SSSSSSSS SSSSSSSS XX XX 22222222 .. 1111
SSSSSSS PP SSSSSSSS SSSSSSSS XX XX 22222222 .. 1111
    
```

FOR JS / VS 1 \*\*C H J L A L U N G K O R \*\* LICENSE NUMBER 16523

USE THE COMMAND: INFO OVERVIEW FACILITIES FOR MORE INFORMATION ON:

- \* READING SAS AND OSIRIS DATASETS
- \* ALSICAL: MULTIDIMENSIONAL SCALING
- \* USERGET: USERPROC-LIKE INTERFACE TO CREATE ACTIVE FILES
- \* RECOMPILING OLD USERPROC ROUTINES
- \* TIME AND DATE FORMATS AND FUNCTIONS
- \* UPDATE TRANSACTIONS TO SYSTEM FILES
- \* EXPERT FOR DATA COMMUNICATIONS
- \* MULTIPUNCHED DATA AND BIT FIELDS
- \* SIMPLIFIED REGRESSION COMMAND

TRY TABLES

TRY THE POWERFUL NEW TABULATION PROCEDURE WHICH PRODUCES PRESENTATION QUALITY OUTPUT. TABLES IS AN EXTRA COST OPTION TO SPSS-X WHICH IS AVAILABLE AT THIS SITE. FOR MORE INFORMATION: INFO TABLES.



```

1 0          DATA LIST FILE=BKPEOP RECORDS=11
2 0          /1 AGE 21-22 MONTH 33-36 NUM 27-36 NUMNO 36-39
3 0          /2 TA 42-43 TB 47 48-49 TC 51-55 TD 60-61 TE 66-67
4 0          /3 EXERCISE 7-10 SLEEP 11-12 REST 13-14 OCC 18-19 CAT 21-22
5 0          /4 TRANSFER 30 MARKY 39
6 0          /5 HCUR 21-22 DAY 23 INCOME 27-31 TIME 32-33 DATE 34 PAY 38-42
7 0          /6 DISTANCE 47-49 DIST 50-52 DISPASS 53-55 EXPEN 57-61 FOOD 62-65
8 0          /7 GAS 66-69 ELECTRIC 70-73 WATER 74-77
9 0          /8 TELEPHO 6-8 RENT 9-12 OIL 13-16 FARE 17-20 MONEY 21-24
10 0         /9 EXPENSES 25-26 INCOMES 30-31 INCOME 42-46 EMPLOYEE 48
11 0         EMPLOY 49 BUSI 50-51 BLSIN 52-53 BLSINE 54-55 BUSINESS 56-57
12 0         LAND 64-66 LANDBK 69-73
13 0         /7 LANDCT 10
14 0         /8 CAR 26
    
```

THE ABOVE DATA LIST STATEMENT WILL READ 11 RECORDS FROM FILE BKPEOP .

VARIABLE	REC	START	END	FORMAT	WIDTH	DEC
AGE	1	21	22	F	2	0
MONTH	1	33	36	F	4	0
NUM	1	37	38	F	2	0
NUMNO	1	36	37	F	2	0
NUMPOWER	1	38	39	F	2	0
TA	2	42	43	F	2	0
TB	2	47	47	F	1	0
TC	2	48	49	F	2	0
TD	2	51	55	F	2	0
TE	2	60	61	F	2	0
EXERCISE	3	06	07	F	2	0
SLEEP	3	7	10	F	4	0
REST	3	11	12	F	2	0
OCC	3	13	14	F	2	0
CAT	3	18	19	F	2	0
TRANSFER	4	21	22	F	2	0
MARKY	4	30	30	F	1	0
HCUR	5	39	39	F	1	0
DAY	5	21	22	F	2	0
INCOME	5	23	23	F	1	0
TIME	5	27	31	F	5	0
DATE	5	32	33	F	2	0
PAY	5	34	34	F	1	0
DISTANCE	5	38	42	F	5	0
DIST	5	47	47	F	3	0
DISPASS	5	50	52	F	3	0
EXPEN	5	53	55	F	3	0
FOOD	5	57	61	F	5	0
GAS	5	62	65	F	4	0
ELECTRIC	5	66	69	F	4	0
WATER	5	70	73	F	4	0
TELEPHO	5	74	77	F	4	0
RENT	6	5	5	F	4	0
OIL	6	9	12	F	4	0
FARE	6	13	16	F	4	0
MONEY	6	17	20	F	4	0
EXPENSES	6	21	24	F	4	0
INCOMES	6	25	26	F	4	0
INCOMEB	6	30	40	F	5	0
EMPLOYEE	6	42	46	F	5	0
EMPLOY	6	48	48	F	1	0
BUSI	6	49	49	F	1	0
BLSIN	6	50	51	F	2	0
BLSINE	6	52	53	F	2	0
BLSINESS	6	54	55	F	2	0
LAND	6	56	57	F	2	0
LANDBK	6	64	63	F	5	0
LANDCT	6	69	73	F	5	0
CAR	7	10	10	F	1	0
	7	26	26	F	1	0

END OF DATALIST TABLE.

```

15 0         MISSING VALUES AGE,NUM,NUMNO,NUMPOWER,SLEEP,REST (99)
16 0         TA,TB,TC,TD,TE,HCUR,TIME,DISTANCE
17 0         BUSI TO BUSINESS (1,1,1) MONTH (5,5,5) EXERCISE (1,5,5,5)
18 0         TA,MARKY,DAY,DATE,EMPLOYEE,EMPLOY,MARK (1,5,5)
19 0         OCC,CAT (1,7,5,5,5) TRANSFER (1)
20 0         DIST,DISPASS (1,1,1,1) EXPEN,LANDBK (1,1,1,1) FOOD TO EXPENSES (1,1,1)
21 0         INCOME,PAY,INCOMES (1,1,1,1,1) INCOMEB (1,1,1,1,1)
22 0         INCOMEB,LAND (1,1,1,1,1) LANDCT (1,1,1,1,1)
23 0         REASONS CORR     AGE TO CAR
24 0         OPTIONS 3
    
```

\*\*\*\*\*PEARSON CORR PROBLEM REQUIRES 51300 BYTES HEADSPACE\*\*\*\*\*

```

93 0          CROSSSTABS TABLES=TA BY EXERCISE SLEEP REST CAT TC MARRY HOUR TO PAY
99 0          ELECTRIC RENT EXPENSES INCOMES INCOME8 EMPLOY LANG
100 0         TO LANDCT DIST DISPASS
101 0         STATISTICS 1

```

THERE ARE 1030128 BYTES OF MEMORY AVAILABLE.  
THE LARGEST CONTIGUOUS AREA HAS 1030128 BYTES.

\*\*\*\* GIVEN WORKSPACE ALLOWS FOR 32767 CELLS WITH 2 DIMENSIONS FOR CROSSTAB PROBLEM \*\*\*\*

\*\*\*\*\*

```

//ZEAVKKHH JOB CLASS=N,MSGLEVEL=(1,1),TYPRUN=HOLD
LOG IEF4031 ZEAVKKHH STARTED TIME=10.17.43
LOG IEF4041 ZEAVKKHH ENDED TIME=10.37.34
// EXEC SPSSX
XASPSSX PRCC SCRUNIT=SYSDA, DASU GROUP NAME 00000010
XX CYLS='3,5', SCRATCH SPACE ALLOCATION 00000020
XX BLOCK=4096, BLOCK SIZE FOR SCRATCH FILES 00000030
XX BUFFERS=2, BUFFER ALLOCATION FOR SCRATCH FILES 00000040
XX A=A, OUTPUT CLASS = R 00000050
XX COPY=1 OUTPUT COPY = ANN 00000060
*** 00000070
XXGO EXEC PG4=SPSSX 00000080
XXSTEPL18 DD DSN=SPSSX21.LOADLIB,DISP=SHR 00000090
XXSPSSERR DD DSN=SPSSX21.ERRFIL,DISP=SHR 00000100
XXSPSSINFO DD DSN=SPSSX21.INFOFIL,DISP=SHR 00000110
XXFT06F001 DD SYSOUT=CA,CPIES=600PY 00000120
IEF6531 SUBSTITUTION JCL - SYSOUT=A,CPIES=1
XXFT07F001 DD DUMMY,DCB=(RECFM=F,LRECL=133,BLKSIZE=133) 00000130
XXFT31F001 DD SYSOUT=CA,DCB=(RECFM=F,BLKSIZE=132) 00000140
IEF6531 SUBSTITUTION JCL - SYSOUT=A,DCB=(RECFM=F,BLKSIZE=132)
XXSORTL18 DD DSN=SYS1.SORTL18,DISP=SHR 00000150
XXSORT#K01 DD UNIT=QSCRUNIT,SPACE=(CYL,(6CYLS)),VOL=SER=VS1#K1 00000160
IEF6531 SUBSTITUTION JCL - UNIT=SYSDA,SPACE=(CYL,(3,5)),VOL=SER=VS1#K1
XXSORT#K02 DD UNIT=QSCRUNIT,SPACE=(CYL,(6CYLS)),VOL=SER=VS1#K2 00000170
IEF6531 SUBSTITUTION JCL - UNIT=SYSDA,SPACE=(CYL,(3,5)),VOL=SER=VS1#K2
XXSORT#K03 DD UNIT=QSCRUNIT,SPACE=(CYL,(6CYLS)),VOL=SER=VS1#K3 00000180
IEF6531 SUBSTITUTION JCL - UNIT=SYSDA,SPACE=(CYL,(3,5)),VOL=SER=VS1#K3
XXSYSOUT DD SYSOUT=CA,CPIES=600PY 00000190
IEF6531 SUBSTITUTION JCL - SYSOUT=A,CPIES=1
XXSYSUT1 DD UNIT=QSCRUNIT,SPACE=(TRK,(40,40)),VOL=SER=VS1#K1, 00000200
IEF6531 SUBSTITUTION JCL - UNIT=SYSDA,SPACE=(TRK,(40,40)),VOL=SER=VS1#K1,
XX DCB=(JUFNO=6,BUFFERS
IEF6531 SUBSTITUTION JCL - DCB=BUFNO=2 00000210
XXSYSUT2 DD UNIT=QSCRUNIT,SPACE=(CYL,(6CYLS)),VOL=SER=VS1#K2, 00000220
IEF6531 SUBSTITUTION JCL - UNIT=SYSDA,SPACE=(CYL,(3,5)),VOL=SER=VS1#K2,
XX DCB=(BUFNO=6,BUFFERS,BLKSIZE=6BLCK) 00000230
IEF6531 SUBSTITUTION JCL - DCB=(JUFNO=2,BLKSIZE=4096)
XXSYSUT3 DD UNIT=QSCRUNIT,SPACE=(CYL,(6CYLS)),VOL=SER=VS1#K3, 00000240
IEF6531 SUBSTITUTION JCL - UNIT=SYSDA,SPACE=(CYL,(2,5)),VOL=SER=VS1#K3,
XX DCB=(BUFNO=6,BUFFERS,BLKSIZE=6BLCK) 00000250
IEF6531 SUBSTITUTION JCL - DCB=(JUFNO=2,BLKSIZE=4096)
XXSYSUT4 DD UNIT=QSCRUNIT,SPACE=(CYL,(6CYLS)),VOL=SER=VS1#K1, 00000260
IEF6531 SUBSTITUTION JCL - UNIT=SYSDA,SPACE=(CYL,(3,5)),VOL=SER=VS1#K1,
XX DCB=(BUFNO=6,BUFFERS,BLKSIZE=6BLCK) 00000270
IEF6531 SUBSTITUTION JCL - DCB=(JUFNO=2,BLKSIZE=4096)
XXSYSUT5 DD UNIT=QSCRUNIT,SPACE=(CYL,(6CYLS)),VOL=SER=VS1#K2, 00000280
IEF6531 SUBSTITUTION JCL - UNIT=SYSDA,SPACE=(CYL,(3,5)),VOL=SER=VS1#K2,
XX DCB=(JUFNO=6,BUFFERS 00000290
IEF6531 SUBSTITUTION JCL - DCB=BUFNO=2 00000300
XXTEMP1 DD UNIT=QSCRUNIT,SPACE=(CYL,(6CYLS)),VOL=SER=VS1#K3, 00000310
IEF6531 SUBSTITUTION JCL - UNIT=SYSDA,SPACE=(CYL,(3,5)),VOL=SER=VS1#K3,
XX DCB=(JUFNO=6,BUFFERS,BLKSIZE=6BLCK) 00000320
IEF6531 SUBSTITUTION JCL - DCB=(JUFNO=2,BLKSIZE=4096)
XXTEMP2 DD UNIT=QSCRUNIT,SPACE=(CYL,(6CYLS)),VOL=SER=VS1#K2, 00000330
IEF6531 SUBSTITUTION JCL - UNIT=SYSDA,SPACE=(CYL,(3,5)),VOL=SER=VS1#K2,
XX DCB=(BUFNO=6,BUFFERS,BLKSIZE=6BLCK) 00000340
IEF6531 SUBSTITUTION JCL - DCB=(JUFNO=2,BLKSIZE=4096)
*** 00000340
//SYS18 DD * GENERATED STAT
//

```

```

IEF2371 ALLOC. FOR ZEAVERK.W 30
IEF2371 109 ALLOCATED TO STEPLIB
IEF2371 109 ALLOCATED TO SPSSERR
IEF2371 109 ALLOCATED TO SPSSINFO
IEF2371 109 ALLOCATED TO SORTLIB
IEF2371 109 ALLOCATED TO SORTWK01
IEF2371 109 ALLOCATED TO SORTWK02
IEF2371 109 ALLOCATED TO SORTWK03
IEF2371 109 ALLOCATED TO SYSUT1
IEF2371 109 ALLOCATED TO SYSUT2
IEF2371 109 ALLOCATED TO SYSUT3
IEF2371 109 ALLOCATED TO SYSUT4
IEF2371 109 ALLOCATED TO SYSUT5
IEF2371 109 ALLOCATED TO TEMP1
IEF2371 109 ALLOCATED TO TEMP2
IEF1421 - STEP WAS EXECUTED - COND CODE 0000
IEF2851 SPSSX21.LOADLIB KEPT
IEF2851 VOL SER NOS= VS1WK2.
IEF2851 SPSSX21.ERRFIL KEPT
IEF2851 VOL SER NOS= VS1WK2.
IEF2851 SPSSX21.INFOFIL KEPT
IEF2851 VOL SER NOS= VS1WK2.
IEF2851 SYS1.SORTLIB KEPT
IEF2851 VOL SER NOS= VS1CU1.
IEF2851 SYS86097.T161738.RF104.ZEAVKKNW.R000001 DELETED
IEF2851 VOL SER NOS= VS1WK1.
IEF2851 SYS86097.T161738.RF104.ZEAVKKNW.R000002 DELETED
IEF2851 VOL SER NOS= VS1WK2.
IEF2851 SYS86097.T161738.RF104.ZEAVKKNW.R000003 DELETED
IEF2851 VOL SER NOS= VS1WK3.
IEF2851 SYS86097.T161738.RF104.ZEAVKKNW.R000004 DELETED
IEF2851 VOL SER NOS= VS1WK1.
IEF2851 SYS86097.T161738.RF104.ZEAVKKNW.R000005 DELETED
IEF2851 VOL SER NOS= VS1WK2.
IEF2851 SYS86097.T161738.RF104.ZEAVKKNW.R000006 DELETED
IEF2851 VOL SER NOS= VS1WK3.
IEF2851 SYS86097.T161738.RF104.ZEAVKKNW.R000007 DELETED
IEF2851 VOL SER NOS= VS1WK1.
IEF2851 SYS86097.T161738.RF104.ZEAVKKNW.R000008 DELETED
IEF2851 VOL SER NOS= VS1WK2.
IEF2851 SYS86097.T161738.RF104.ZEAVKKNW.R000009 DELETED
IEF2851 VOL SER NOS= VS1WK3.
IEF2851 SYS86097.T161738.RF104.ZEAVKKNW.R000010 DELETED
IEF2851 VOL SER NOS= VS1WK2.
IEF3731 STEP /GO / START 86097.1617
IEF3741 STEP /GO / STOP 86097.1639 CPU CHIN 27.07SEC STOR VIRT2048K
IEF2981 ZEAVERK.W SYSOUT=A.
IEF3751 JOB /ZEAVERK.W/ START 86097.1617
IEF3761 JOB /ZEAVERK.W/ STOP 86097.1639 CPU CHIN 27.07SEC

```

07 APR 80 SPSS-A RELEASE 2.1 FOR IBM OS 4 MVS  
 16:18:14 \*\*C H U L A L J N S K O R N\*\* I B M - 3 0 3 1 0 5 / V S 1

```

SSSSSS PPPPPPP SSSSSSS SSSSSSS XX XX 222222 1
SSSSSSSS PPPPPPPP SSSSSSS SSSSSSSS XX XX 22222222 11
SS SS PP PP SS SS SS SS XX XX 22 22 111
SS PP PP PP SS SS SS SS XX XX 22 22 11
SSSSSSS PPPPPPPP SSSSSSS SSSSSSSS === XXX 22 11
SSSSSSS PPPPPPPP SSSSSSS SSSSSSSS === XXX 22 11
SS SS PP SS SS SS SS XX XX 22 22 11
SSSSSSSS PP SSSSSSSS SSSSSSSS XX XX 22222222 .. 1111
SSSSSSS PP SSSSSSS SSSSSSS XX XX 22222222 .. 1111

```

FOR OS / V S 1 \*\*C H U L A L J N S K O R N\*\* LICENSE NUMBER 16828

USE THE COMMAND: INFO OVERVIEW FACILITIES FOR MORE INFORMATION ON:

- \* READING SAS AND ISPLIB DATASETS
- \* ALSOAL: MULTIDIMENSIONAL SCALING
- \* USERJET: USERPRIC-LIKE INTERFACE TO CREATE ACTIVE FILES
- \* RECOMPILEING OLD USERPRIC ROUTINES
- \* TIME AND DATE FORMATS AND FUNCTIONS
- \* UPDATE TRANSACTIONS TO SYSTEM FILES
- \* EXPORT FOR DATA COMMUNICATIONS
- \* MULTIPLYED DATA AND BIT FIELDS
- \* SIMPLIFIED REGRESSION COMMAND

TABLE TABLES

TRY THE POWERFUL NEW TABULATION PROCEDURE WHICH PROVIDES PRESENTATION QUALITY OUTPUT. TABLES IS AN EXTRA COST OPTION TO SPSS-A WHICH IS AVAILABLE AT THIS SITE. FOR MORE INFORMATION: INFO TABLES.

```

1  )      TITLE 'CHI-CHI'
2  )      SUBTITLE 'INCOMES-FOOD'
3  )      DATA LIST FREE/EXPF CHI
4  )      BEGIN DATA
    
```

```

07 APR 66  CHI-CHI
15:16:25  INCOMES-FOOD
    
```

PRECEDING TASK REQUIRED      0.10 SECONDS CPU TIME      4.10 SECONDS ELAPSED.

```

5  )      REGRESSION VARIABLES=EXPF CHI
6  )      /STATISTICS=DEFAULTS/DEPENDENT=CHI/ENTER
    
```

THERE ARE 157256 BYTES OF MEMORY AVAILABLE.  
THE LARGEST CONTIGUOUS AREA HAS 157493 BYTES.

732 BYTES OF MEMORY REQUIRED FOR REGRESSION PROCEDURE.  
0 MORE BYTES MAY BE NEEDED FOR RESIDUALS PLOTS.

\*\*\*\*\*

LISTWISE DELETION OF MISSING DATA

EQUATION NUMBER 1    DEPENDENT VARIABLE.. CHI

BEGINNING BLOCK NUMBER 1. METHOD ENTER

VARIABLE(S) ENTERED ON STEP NUMBER 1.. EXPF

MULTIPLE R		ANALYSIS OF VARIANCE			
R SQUARE	.54144	REGRESSION	DF	SUM OF SQUARES	MEAN SQUARE
ADJUSTED R SQUARE	.35259	RESIDUAL	10	6774016.67047	677401.66705
STANDARD ERROR	323.0415				
		F =	5.95077	SIGNIF F =	.0246

----- VARIABLES IN THE EQUATION -----

VARIABLE	B	SE B	BETA	T	SIG T
EXPF	17.747954	6.712015	.541440	2.644	.0246
(CONSTANT)	-72.320372	397.406773		-0.181	.8598

END BLOCK NUMBER 1 ALL REQUESTED VARIABLES ENTERED.

ศูนย์วิทยุโทรพยากร

จุฬาลงกรณ์มหาวิทยาลัย

```

07 APR 66  CHI-CHI
15:18:45  INCOMES-FOOD
    
```

PRECEDING TASK REQUIRED      0.44 SECONDS CPU TIME      10.30 SECONDS ELAPSED.

```

7  )      SUBTITLE 'INCOMES-ELECTRIC'
8  )      DATA LIST FREE/EXPF CHI
9  )      BEGIN DATA
    
```

```

07 APR 66  CHI-CHI
16:19:02  INCOMES-ELECTRIC
    
```

PRECEDING TASK REQUIRED      0.11 SECONDS CPU TIME      0.10 SECONDS ELAPSED.

```

10 )      SCATTERGRAM CHI-EXPF
11 )      OPTIONS 6
12 )      STATISTICS ALL
    
```

\*\*\*\* GIVEN WORKSPACE ALLOWS FOR 45049 CASES FOR SCATTERGRAM PROBLEM \*\*\*\*

ภาคผนวก ข.

ตัวอย่างตารางการถักรที่มีจำนวนร้อยละของขนาดความถี่คาดหวังน้อยกว่า 5 เท่ากับ 0 หรือ  
 ไม่มีความถี่คาดหวังน้อยกว่า 5 ในแต่ละช่อง

NUM	COUNT		ROW PCT		COL PCT		TOTAL
	I	II	I	II	I	II	
1	8	5	01.5	38.5	13.6	6.0	13
2	17	17	53.0	50.0	57.5	20.5	34
3	12	8	36.0	40.0	27.5	9.6	20
4	6	10	18.0	62.5	14.0	23.0	16
COLUMN TOTAL	43	40	100.0	100.0	100.0	100.0	83

CHI-SQUARE	D.F.	SIGNIFICANCE	MIN. E.F.	CELLS WITH E.F. < 5
2.33679	3	0.4961	6.265	NONE

TB	COUNT		ROW PCT		COL PCT		TOTAL
	I	II	I	II	I	II	
1	95	7	95.0	87.5	95.0	87.5	102
2	68	4	68.0	37.5	68.0	20.0	72
3	73	10	73.0	50.0	73.0	33.3	83
4	75	5	75.0	25.0	75.0	12.5	80
COLUMN TOTAL	311	26	100.0	100.0	100.0	100.0	337

CHI-SQUARE	D.F.	SIGNIFICANCE	MIN. E.F.	CELLS WITH E.F. < 5
9.00903	3	0.0251	5.747	NONE

NUM	COUNT		ROW PCT		COL PCT		TOTAL
	I	II	I	II	I	II	
1	28	4	87.5	20.0	87.5	20.0	32
3	353	73	95.0	87.5	95.0	87.5	426
8	116	46	73.0	50.0	73.0	33.3	162
COLUMN TOTAL	497	123	100.0	100.0	100.0	100.0	620

		RENT				ROW TOTAL
INCOME	COUNT	11	21	31		
	1	340	19	13	372	
				11.3		
2	2550	117	157	2934		
				33.7		
COLUMN TOTAL	2990	136	130	3306		
		4.1	3.4	100.0		

CHI-SQUARE	D.F.	SIGNIFICANCE	MIN E.F.	CELLS WITH E.F. < 5
3.97620	2	0.1370	15.303	NONE

		MONEY				ROW TOTAL
INCOME	COUNT	11	21	31	41	
	1	291	9	9	63	372
	78.2	2.4	2.4	16.9	11.3	
	11.6	10.1	10.1	10.1		
	3.8	.3	.3	1.9		
2	2216	80	80	558	2934	
	75.5	2.7	2.7	19.0	33.7	
	33.4	39.9	39.9	39.9		
	67.0	2.4	2.4	16.9		
COLUMN TOTAL	2507	89	89	621	3306	
	75.8	2.7	2.7	18.8	100.0	

CHI-SQUARE	D.F.	SIGNIFICANCE	MIN E.F.	CELLS WITH E.F. < 5
1.31095	3	0.7265	10.015	NONE

		FOOD					ROW TOTAL
INCOME	COUNT	11	21	31	41	51	
	1	68	105	113	60	26	372
	13.3	28.2	30.4	16.1	7.0	11.3	
	17.4	9.7	11.4	11.0	12.4		
	2.1	3.2	3.4	1.3	.8		
2	405	983	877	485	184	2934	
	13.8	33.5	29.9	16.5	6.3	33.7	
	85.6	90.3	83.3	39.0	87.6		
	12.3	29.7	25.5	17.7	5.6		
COLUMN TOTAL	473	1088	890	545	210	3306	
	14.3	32.9	23.9	16.5	6.4	100.0	

CHI-SQUARE	D.F.	SIGNIFICANCE	MIN E.F.	CELLS WITH E.F. < 5
7.74337	4	0.1014	23.530	NONE

		OIL				
INCOME8	COUNT	11	21	41	ROW TOTAL	
	1	287	36	49	372	
2	2351	263	320	2934		
COLUMN TOTAL	2638	299	369	3306		
	79.8	9.0	11.2	103.0		

CHI-SQUARE	D.F.	SIGNIFICANCE	MIN E.F.	CELLS WITH E.F.< 5
2.07104	2	0.3550	33.644	NONE

		FUJD				
TB	COUNT	11	21	31	41	ROW TOTAL
	1	170	421	425	203	1219
2	6	24	39	42	111	
COLUMN TOTAL	176	445	464	245	1330	
	13.2	33.5	34.9	18.4	100.0	

CHI-SQUARE	D.F.	SIGNIFICANCE	MIN E.F.	CELLS WITH E.F.< 5
35.46764	3	0.0000	14.389	NONE

		SLEEP				
TA	COUNT	11	21	31	41	ROW TOTAL
	1	147	372	225	455	1199
2	8	41	31	51	131	
COLUMN TOTAL	155	413	256	506	1330	
	11.7	31.1	19.2	38.0	100.0	

CHI-SQUARE	D.F.	SIGNIFICANCE	MIN E.F.	CELLS WITH E.F.< 5
5.34104	3	0.1434	15.237	NONE

		JIL				
COUNT		I	I	I	I	ROW TOTAL
			11	21	41	
INCOME	1	1211	99	128	1433	43.5
	2	211	61	47	319	9.6
	3	44	32	19	95	2.9
	4	1172	107	175	1454	44.0
COLUMN TOTAL		2638	299	309	3306	100.0
		79.8	9.0	11.2		

CHI-SQUARE	D.F.	SIGNIFICANCE	MIN E.F.	CELLS WITH E.F. < 5
153.88479	6	0.0	8.592	NONE

		FOJD				
COUNT		I	I	I	I	ROW TOTAL
			11	21	31	41
HOUR	1	37	98	83	41	259
	3	5	19	30	11	65
	4	29	102	93	63	287
	5	23	41	53	31	153
	6	31	43	51	28	153
	97	51	142	149	71	413
COLUMN TOTAL		176	445	404	245	1330
		13.2	33.5	34.9	18.4	100.0

CHI-SQUARE	D.F.	SIGNIFICANCE	MIN E.F.	CELLS WITH E.F. < 5
23.55758	15	0.0730	8.602	NONE



		MARRY				
TD	COUNT	11	21	31	ROW TOTAL	
	1	95	7	15	117	
2	63	4	14	85		
3	73	10	10	93		
4	75	5	4	84		
COLUMN TOTAL		311	26	43	380	
		31.3	5.8	11.3	100.0	

CHI-SQUARE	D.F.	SIGNIFICANCE	MIN E.F.	CELLS WITH E.F. < 5
9.33903	6	0.1731	5.747	NONE

		CAR		
HOUR	COUNT	01	11	ROW TOTAL
	1	225	34	259
3	48	17	65	
4	220	67	287	
5	128	25	153	
6	126	27	153	
97	350	63	413	
COLUMN TOTAL		1097	233	1330
		32.5	17.5	100.0

CHI-SQUARE	D.F.	SIGNIFICANCE	MIN E.F.	CELLS WITH E.F. < 5
15.15732	5	0.0097	11.387	NONE

		1998							ROW TOTAL
		11	21	31	41	51	61	71	
AGE									
1	1	24	31	1	41	22	14	53	218
		10.0	1.0	4.1	18.8	10.1	1.4	30.1	8.8
		0.8	8.5	3.9	3.1	5.0	3.0	7.4	
		.7	.4	.7	1.2	.7	.3	2.5	
-	1	34	14	22	80	30	14	112	358
		9.6	3.7	6.2	22.5	14.0	3.9	31.5	10.3
		7.4	11.9	14.4	10.7	12.7	10.3	9.7	
		1.0	.7	.7	2.4	1.5	1.0	3.4	
3	1	35	31	24	143	62	53	105	434
		13.4	6.4	3.3	29.3	12.8	11.0	21.7	14.6
		13.0	15.4	10.7	19.2	13.7	18.4	9.4	
		1.0	.9	.7	4.3	1.9	1.8	3.2	
+	1	44	28	33	130	48	30	121	452
		9.7	5.8	4.9	28.8	10.3	13.3	27.4	13.7
		12.2	12.9	13.1	17.4	12.2	18.3	11.0	
		1.3	.8	.8	3.9	1.5	1.6	3.3	
3	1	31	24	16	112	64	44	133	454
		11.2	5.3	3.7	24.7	14.1	5.7	29.3	12.7
		14.1	11.9	17.0	15.0	16.2	13.8	11.3	
		1.3	.7	.3	3.4	1.9	1.3	4.0	
5	1	44	28	17	39	38	18	135	409
		10.8	6.8	4.2	21.6	14.2	5.3	33.0	12.4
		12.2	13.9	11.1	11.9	14.7	11.8	12.7	
		1.3	.6	.3	2.7	1.8	1.1	4.1	
7	1	38	25	15	67	45	25	117	336
		11.3	7.4	4.5	19.5	13.4	8.6	34.3	10.2
		10.3	12.4	1.8	9.0	11.4	9.0	10.4	
		1.1	.6	.3	2.0	1.4	.5	3.5	
8	1	22	19	14	45	23	16	101	347
		9.2	7.7	5.7	19.8	9.3	7.3	40.7	7.5
		3.4	5.3	7.2	6.6	5.3	5.6	9.0	
		.7	.6	.4	1.5	.7	.3	3.1	
9	1	39	11	3	34	22	21	217	350
		11.1	3.1	1.3	9.7	6.3	6.3	62.0	10.3
		13.0	3.3	1.7	4.0	5.8	4.3	19.2	
		1.2	.3	.2	1.0	.7	.6	6.6	
COLUMN TOTAL		302	201	133	745	394	323	1123	3306
		10.9	6.1	4.9	28.3	11.9	9.8	34.1	100.0

CHI-SQUARE      D.F.      SIGNIFICANCE      MIN E.P.      CELLS WITH E.P. < 5

219.10813      43      0.0001      10.039      NONE

COUNT	ROW PCT	COL PCT	TOT PCT	ROW TOTAL	COL PCT	TOT PCT	ROW TOTAL
1	1211	99	123	1433	1	237	372
	34.2	34.9	8.9	433		77.2	1163
	45.7	33.1	34.7			16.9	13.3
	30.5	3.0	3.9			3.7	1.5
2	211	31	47	319	2	231	294
	60.1	19.1	14.7	308		30.1	38.7
	3.9	20.4	12.7			89.1	30.7
	3.4	1.8	1.4			71.1	7.1
3	44	32	19	95	COLUMN TOTAL	253	369
	12.3	33.7	20.0	203	TOTAL	79.3	9.0
	1.7	10.7	3.1				11.2
	1.3	1.0	.3				100.0
+	1172	107	173	1454			
	30.3	7.4	12.0	1433			
	44.4	33.8	47.4				
	32.9	3.2	3.3				
COLUMN TOTAL	263	209	367	3306			
TOTAL	79.3	9.0	11.2	100.0			

		COUNT						ROW TOTAL
		ROW PCT						
		COL PCT						
AGE	TOT PCT	11	27	31	47	51	57	
1	40	35	35	25	22	33	213	
	13.3	12.1	12.1	8.7	8.1	12.1	6.6	
	3.4	1.1	1.1	0.8	0.7	1.0		
2	73	66	53	30	33	56	354	
	24.5	22.5	17.5	10.4	11.3	18.7	10.9	
	2.2	2.0	1.6	0.9	1.0	1.7		
3	94	96	137	41	48	68	484	
	17.4	18.8	25.3	8.5	9.9	14.0	14.6	
	1.8	2.0	2.6	1.2	1.5	2.1		
4	112	101	120	35	29	55	452	
	24.8	22.3	26.5	7.7	6.4	12.2	13.7	
	3.4	3.1	3.6	1.1	0.9	1.7		
5	94	104	135	40	40	56	454	
	23.7	22.9	28.4	11.8	11.8	16.3	13.7	
	1.8	2.0	2.6	1.2	1.2	1.7		
6	73	102	113	29	33	58	400	
	19.1	25.2	25.4	7.1	8.1	14.2	12.4	
	2.4	3.1	3.3	0.9	1.0	1.8		
7	51	84	75	24	13	64	336	
	15.2	25.0	27.7	7.1	5.4	19.6	10.2	
	3.1	12.1	10.4	3.7	2.3	12.3		
8	40	47	37	25	21	44	247	
	17.4	19.0	17.1	10.1	8.5	17.5	7.5	
	3.2	3.7	2.9	1.9	1.6	3.2		
9	44	61	55	27	24	55	350	
	12.8	17.4	19.5	7.7	9.7	20.3	10.6	
	1.3	1.8	1.6	0.8	1.0	3.5		
COLUMN TOTAL	329	697	501	276	278	535	3306	
TOTAL	10.0	21.1	17.5	8.3	8.4	16.2	100.0	

CHI-SQUARE 4.9517433 D.F. 4 SIGNIFICANCE 0.0000 P.W. E.P. 18.200 CELLS WITH E.P. < 5 NONE

จุฬาลงกรณ์มหาวิทยาลัย

		COUNT					ROW TOTAL
		ROW PCT					
		COL PCT					
	TOT PCT	11	27	31	47	51	
1	50	105	113	60	20	372	
	13.3	26.2	30.4	16.1	7.0	11.3	
	2.1	2.2	3.4	1.8	0.6		
2	90	93	177	43	104	494	
	13.3	21.5	29.1	16.3	14.3	29.7	
	12.3	21.7	28.5	14.7	11.0		
COLUMN TOTAL	47	168	390	243	110	638	
TOTAL	14.3	32.9	29.9	12.3	3.4	100.0	

NUM	COUNT	LARRY			ROW TOTAL	C.F.
		11	21	31		
1	138	27	34	247	7.5	
2	230	51	59	316	9.5	
3	377	32	53	497	15.0	
4	475	23	70	565	17.1	
5	410	22	59	491	14.7	
6	321	22	50	403	12.2	
7	451	31	73	560	16.9	
9	194	13	17	224	6.8	
COLUMN TOTAL	2614	201	491	3306	100.0	
TOTAL	77.1	9.1	14.9			

CHI-SQUARE 121.65001 D.F. 14 SIGNIFICANCE 0.0000 MIN E.F. 13.519 CELLS WITH E.F. < 5 NONE

NUMBER	COUNT	LAND						ROW TOTAL	C.F.
		11	21	31	41	51	61		
1	74	20	13	7	4	23	141	4.3	
2	367	30	33	21	12	104	521	13.3	
3	269	101	37	19	10	63	319	15.7	
4	190	39	43	29	26	78	365	17.2	
5	220	37	44	13	24	49	417	12.3	
6	234	31	25	22	17	44	403	12.2	
7	139	34	25	14	12	33	207	6.1	
8	174	32	40	18	19	34	307	11.1	
COLUMN TOTAL	1767	359	213	143	124	426	3334	100.0	
TOTAL	35.5	10.8	6.7	1.5	3.3	13.0			

CHI-SQUARE 73.71371 D.F. 33 SIGNIFICANCE 0.0000 MIN E.F. 5.292 CELLS WITH E.F. < 5 NONE

ตัวอย่างตารางการแจกแจงที่มีความถี่ของขนาดความถี่คาดหวังน้อยกว่า 5 อยู่ในวงมากกว่า 0 แต่ไม่ต่ำกว่า 95

NB	COUNT	CAT								ROW TOTAL								
		11	21	31	41	51	61	71	81									
1	1	29	1	9	1	11	1	6	1	5	1	3	1	1	1	6	1	69
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	83.1
2	1	1	1	4	1	2	1	1	1	1	1	1	1	1	1	3	1	10
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	12.0
3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.2
4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2.4
6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.2
COLUMN TOTAL		31	13	13	7	5	4	1	9									83
		37.3	15.7	15.7	8.4	6.0	4.8	1.2	10.8									100.0

CHI-SQUARE    D.F.    SIGNIFICANCE    MIN E.F.    CELLS WITH E.F. < 5  
 22.80106    24    0.7424    0.012    35 OF 40 ( 87.5%)

NB	COUNT	CAT								ROW TOTAL								
		11	21	31	41	51	61	71	81									
1	1	28	1	9	1	11	1	6	1	5	1	3	1	1	7	1	69	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	83.1
2	1	1	1	4	1	2	1	1	1	1	1	1	1	1	3	1	10	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	12.0
3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.2
4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2.4
6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.2
COLUMN TOTAL		31	13	13	7	5	4	1	9									83
		37.3	15.7	15.7	8.4	6.0	4.8	1.2	10.8									100.0

CHI-SQUARE    D.F.    SIGNIFICANCE    MIN E.F.    CELLS WITH E.F. < 5  
 21.80074    24    0.5880    0.048    30 OF 35 ( 85.7%)



NB	COUNT	CAT						ROW TOTAL
		11	21	31	41	51	71	
1	1	28	9	11	0	3	7	69
	I	I	I	I	I	I	I	83.1
2	1	1	4	2	1	1	3	10
	I	I	I	I	I	I	I	12.0
3	1	1	1	1	1	1	1	1
	I	I	I	I	I	I	I	1.2
4	1	2	1	1	1	1	1	3
	I	I	I	I	I	I	I	3.0
COLUMN TOTAL		31	13	13	7	9	10	33
		37.3	15.7	15.7	8.4	10.8	12.0	100.0

CHI-SQUARE	D.F.	SIGNIFICANCE	MIN E.F.	CELLS WITH E.F. < 5
13.10852	15	0.2570	0.384	13 OF 24 ( 54.17%)

NB	COUNT	CAT					ROW TOTAL
		11	21	31	51	71	
1	1	28	9	17	3	7	69
	I	I	I	I	I	I	83.1
2	1	1	4	2	1	3	10
	I	I	I	I	I	I	12.0
3	1	3	1	1	1	1	4
	I	I	I	I	I	I	4.3
COLUMN TOTAL		31	13	20	9	10	83
		37.3	15.7	24.1	10.3	12.0	100.0

CHI-SQUARE	D.F.	SIGNIFICANCE	MIN E.F.	CELLS WITH E.F. < 5
14.07601	3	0.0798	0.434	10 OF 15 ( 66.67%)

NB	COUNT	CAT				ROW TOTAL
		11	21	31	51	
1	1	26	9	17	15	69
	I	I	I	I	I	83.1
2	1	0	4	3	4	14
	I	I	I	I	I	16.9
COLUMN TOTAL		26	13	20	19	83
		37.3	15.7	24.1	22.9	100.0

CHI-SQUARE	D.F.	SIGNIFICANCE	MIN E.F.	CELLS WITH E.F. < 5
3.22155	3	0.3587	2.175	3 OF 8 ( 37.5%)

		CAT			ROW TOTAL
COUNT		11	21	31	
N3	1	25	9	32	69
					83.1
2	5	4	7	14	14
					15.9
COLUMN TOTAL		31	13	39	83
		37.5	15.7	47.0	100.0

CHI-SQUARE	D.F.	SIGNIFICANCE	MIN E.F.	CELLS WITH E.F. < 5
2.96709	2	0.2268	2.193	1 OF 6 (16.7%)

		CAT		ROW TOTAL
COUNT		11	31	
N3	1	37	32	69
				83.1
2	7	7	14	14
				15.9
COLUMN TOTAL		44	39	83
		53.0	47.0	100.0

CHI-SQUARE	D.F.	SIGNIFICANCE	MIN E.F.	CELLS WITH E.F. < 5
0.0	1	1.0000	0.578	NONE
0.05124	1	0.8044	( BEFORE YATES CORRECTION )	

		CAT								ROW TOTAL
COUNT		11	21	31	41	51	61	71	81	
N3	0	1	1	2	1	1	1	1	1	6
										4.3
1	20	4	2	5	1	1	1	1	3	37
										26.2
2	4	3	2	2	2	1	1	2	1	18
										12.8
3	3	1	1	1	1	1	1	1	1	6
										4.3
4	15	7	3	1	1	2	2	2	1	31
										22.0
5	5	2	1	2	1	1	1	1	1	10
										7.1
6	3	2	1	1	1	1	1	1	1	9
										6.4
7	5	7	9	4	1	1	1	1	1	24
										17.0
COLUMN TOTAL		35	30	20	14	5	5	5	4	141
		21.3	14.2	9.7	3.5	3.5	3.5	2.8		100.0

CHI-SQUARE	D.F.	SIGNIFICANCE	MIN E.F.	CELLS WITH E.F. < 5
37.35232	49	0.1951	0.170	55 OF 64 (87.5%)

		COUNT										ROW TOTAL
		11	21	31	41	51	61	71	81	91	101	
TB	0	1	1	1	1	2	1	1	1	1	1	6
		1	1	1	1	1	1	1	1	1	1	4.3
	1	1	20	4	2	5	1	1	1	1	3	37
		1	1	1	1	1	1	1	1	1	1	26.2
	2	1	4	1	6	1	2	1	2	1	1	18
		1	1	1	1	1	1	1	1	1	1	12.8
	3	1	3	1	1	1	1	1	1	1	1	6
		1	1	1	1	1	1	1	1	1	1	4.3
	4	1	16	1	7	1	3	1	1	2	2	31
		1	1	1	1	1	1	1	1	1	1	22.0
5	1	5	1	2	1	1	2	1	1	1	10	
	1	1	1	1	1	1	1	1	1	1	7.1	
6	1	9	1	9	1	11	1	2	1	1	33	
	1	1	1	1	1	1	1	1	1	1	23.4	
COLUMN TOTAL		58	30	23	14	5	5	5	4		141	
		41.1	21.3	14.2	9.9	3.5	3.5	3.5	2.8		100.0	

CHI-SQUARE    D.F.    SIGNIFICANCE    MIN E.F.    CELLS WITH E.F. < 5

56.13454    42    0.0711    0.170    48 OF 55 ( 85.7%)

		COUNT										ROW TOTAL
		11	21	31	41	51	61	71	81	91	101	
TB	0	1	1	1	1	2	1	1	1	1	1	6
		1	1	1	1	1	1	1	1	1	1	4.3
	1	1	20	4	2	5	1	1	1	1	4	37
		1	1	1	1	1	1	1	1	1	1	26.2
	2	1	4	1	6	1	2	1	2	1	2	18
		1	1	1	1	1	1	1	1	1	1	12.8
	3	1	3	1	1	1	1	1	1	1	1	6
		1	1	1	1	1	1	1	1	1	1	4.3
	4	1	16	1	7	1	3	1	1	2	2	31
		1	1	1	1	1	1	1	1	1	1	22.0
5	1	5	1	2	1	1	2	1	1	1	10	
	1	1	1	1	1	1	1	1	1	1	7.1	
6	1	9	1	9	1	11	1	2	1	1	33	
	1	1	1	1	1	1	1	1	1	1	23.4	
COLUMN TOTAL		58	30	23	14	5	5	5	4		141	
		41.1	21.3	14.2	9.9	3.5	3.5	3.5	2.8		100.0	

CHI-SQUARE    D.F.    SIGNIFICANCE    MIN E.F.    CELLS WITH E.F. < 5

45.90055    30    0.1247    0.212    41 OF 49 ( 83.7%)



TB	COUNT													ROW TOTAL
	0	1	2	3	4	5	6	7	8	9	10	11	12	
0	1	1	1	2	1	1	1	1	1	1	1	1	1	6
														4.3
1	20	4	2	5	1	1	1	1	1	1	1	4	37	
													26.2	
2	4	5	2	2	2	1	1	1	1	1	1	2	18	
													12.8	
3	3	1	1	1	1	1	1	1	1	1	1	1	6	
													4.3	
4	16	7	3	1	1	1	1	2	2	1	1	2	31	
													22.0	
5	14	11	11	4	1	1	2	1	1	1	1	1	43	
													30.5	
COLUMN TOTAL	58	30	20	14	5	5	9	141						
	41.1	21.3	14.2	9.9	3.5	3.5	6.4	100.0						

CHI-SQUARE    D.F.    SIGNIFICANCE    MIN E.F.    CELLS WITH E.F. < 5

35.98870    30    0.2084    0.213    33 OF 42 ( 78.6%)

TB	COUNT													ROW TOTAL
	0	1	2	3	4	5	6	7	8	9	10	11	12	
0	1	1	1	2	1	1	1	1	1	1	1	1	6	
													4.3	
1	20	4	2	5	2	1	1	1	1	1	1	4	37	
													26.2	
2	4	5	2	2	2	1	1	1	1	1	1	2	18	
													12.3	
3	3	1	1	1	1	1	1	1	1	1	1	1	6	
													4.3	
4	16	7	3	1	1	1	2	2	1	1	1	2	31	
													22.0	
5	14	11	11	4	1	1	3	1	1	1	1	1	43	
													30.5	
COLUMN TOTAL	58	30	20	14	10	9	141							
	41.1	21.3	14.2	9.9	7.1	6.4	100.0							

CHI-SQUARE    D.F.    SIGNIFICANCE    MIN E.F.    CELLS WITH E.F. < 5

28.35311    25    0.2916    0.333    27 OF 36 ( 75.0%)

		COUNT							ROW TOTAL
		11	21	31	41	51	71		
T8	0	1	1	2	1	1	1	6	
		1	1	1	1	1	1	4.3	
	1	20	4	2	5	2	4	37	
		1	1	1	1	1	1	26.2	
	2	4	6	2	2	2	2	18	
	1	1	1	1	1	1	12.8		
3	19	8	3	2	3	2	37		
	1	1	1	1	1	1	26.2		
5	14	11	11	4	3	1	43		
	1	1	1	1	1	1	30.5		
COLUMN TOTAL		58	30	20	14	10	9	141	
		41.1	21.5	14.2	9.9	7.1	6.4	100.0	

CHI-SQUARE	D.F.	SIGNIFICANCE	MIN E.F.	CELLS WITH E.F. < 5
25.95830	20	0.1872	0.383	20 OF 30 (66.7%)

		COUNT							ROW TOTAL
		11	21	31	51	71			
T8	0	1	1	3	1	1	6		
		1	1	1	1	1	4.3		
	1	20	4	7	2	4	37		
		1	1	1	1	1	26.2		
	2	4	6	4	2	2	18		
	1	1	1	1	1	12.8			
3	19	8	5	3	2	37			
	1	1	1	1	1	26.2			
5	14	11	15	3	1	43			
	1	1	1	1	1	30.5			
COLUMN TOTAL		58	30	34	10	9	141		
		41.1	21.5	24.1	7.1	6.4	100.0		

CHI-SQUARE	D.F.	SIGNIFICANCE	MIN E.F.	CELLS WITH E.F. < 5
21.71694	15	0.1225	0.333	15 OF 25 (60.0%)

		COUNT							ROW TOTAL
		11	21	31	51	71			
T8	0	1	1	3	1	1	6		
		1	1	1	1	1	4.3		
	1	20	4	7	2	4	37		
		1	1	1	1	1	26.2		
	2	4	6	4	2	2	18		
	1	1	1	1	1	12.8			
3	19	8	10	3	2	42			
	1	1	1	1	1	30.5			
COLUMN TOTAL		58	30	37	10	9	141		
		41.1	21.5	24.1	7.1	6.4	100.0		

CHI-SQUARE	D.F.	SIGNIFICANCE	MIN E.F.	CELLS WITH E.F. < 5
19.15209	12	0.2302	0.333	11 OF 20 (55.0%)

COUNT	JMS					ROW TOTAL
	11	21	31	51		
0	1	1	3	1	6	4.3
1	20	4	7	6	37	26.2
2	4	6	4	4	18	12.8
3	33	19	20	3	80	56.7
COLUMN TOTAL	58	30	34	19	141	100.0
	41.1	21.3	24.1	13.5		

CHI-SQUARE	D.F.	SIGNIFICANCE	MIN E.F.	CELLS WITH E.F.< 5
11.48939	9	0.2456	0.809	8 OF 16 (50.0%)

COUNT	JMS					ROW TOTAL
	11	21	31	51		
0	1	1	3	1	6	4.3
1	20	4	7	6	37	26.2
2	37	25	24	12	98	69.5
COLUMN TOTAL	58	30	34	19	141	100.0
	41.1	21.3	24.1	13.5		

CHI-SQUARE	D.F.	SIGNIFICANCE	MIN E.F.	CELLS WITH E.F.< 5
7.88586	6	0.2466	0.309	5 OF 12 (41.7%)

COUNT	JMS					ROW TOTAL
	11	21	31			
0	1	1	4	1	6	4.3
1	20	4	13	1	37	26.2
2	37	25	33	1	93	69.5
COLUMN TOTAL	58	30	53	141	100.0	
	41.1	21.3	37.6			

CHI-SQUARE	D.F.	SIGNIFICANCE	MIN E.F.	CELLS WITH E.F.< 5
9.35437	4	0.1452	1.277	3 OF 9 (33.3%)

		COUNT			ROW TOTAL
TA	0	1	11	31	6
	1	2	1	4	4.3
	1	2	1	13	37
	2	52	1	56	93
COLUMN TOTAL		88	53	141	103.3

CHI-SQUARE      D.F.      SIGNIFICANCE      MIN E.F.      CELLS WITH E.F. < 5

2.23793      2      0.3186      2.255      2 OF 5 ( 33.3%)

		COUNT										ROW TOTAL
TA	0	1	11	21	31	41	51	61	71	81	6	
	1	2	1	1	1	1	1	1	1	1	3.0	
	1	19	1	12	2	3	2	2	2	2	44	
	2	20	1	14	14	5	2	4	2	1	61	
	3	4	1	3	2	2	2	1	1	1	20	
	4	11	1	12	13	3	2	1	1	1	41	
	5	3	1	2	2	1	1	2	1	1	10	
	6	2	1	2	2	1	1	1	1	1	6	
7	7	1	2	1	1	1	1	1	1	9		
COLUMN TOTAL		63	55	34	14	9	9	5	3	197		

CHI-SQUARE      D.F.      SIGNIFICANCE      MIN E.F.      CELLS WITH E.F. < 5

53.26727      47      0.0179      0.091      53 OF 64 ( 82.8%)

TA	COUNT	JJS										ROW TOTAL
		11	21	31	41	51	61	71	81			
0	1	2	3	1	1	1	1	1	1	1	1	6
		1	1	1	1	1	1	1	1	1	1	3.0
1	1	19	12	2	3	2	2	2	2	2	2	44
		1	1	1	1	1	1	1	1	1	1	22.3
2	1	20	14	14	5	2	4	2	2	1	1	61
		1	1	1	1	1	1	1	1	1	1	31.0
3	1	4	8	2	2	2	1	1	1	1	1	20
		1	1	1	1	1	1	1	1	1	1	10.2
4	1	11	12	13	3	2	1	1	1	1	1	41
		1	1	1	1	1	1	1	1	1	1	20.8
5	1	3	2	2	1	1	2	1	1	1	1	10
		1	1	1	1	1	1	1	1	1	1	5.1
6	1	9	4	1	1	1	1	1	1	1	1	15
		1	1	1	1	1	1	1	1	1	1	7.6
COLUMN TOTAL		68	55	34	14	9	9	5	3			197
		34.5	27.9	17.3	7.1	4.6	4.6	2.5	1.5			100.0

CHI-SQUARE 42 SIGNIFICANCE 0.2644 MIN E.F. 0.091 CELLS WITH E.F. < 5 44 OF 56 (78.5%)

TA	COUNT	JJS										ROW TOTAL
		11	21	31	41	51	61	71				
0	1	2	3	1	1	1	1	1	1	1	1	6
		1	1	1	1	1	1	1	1	1	1	3.0
1	1	19	12	2	3	2	2	2	2	2	4	44
		1	1	1	1	1	1	1	1	1	1	22.3
2	1	20	14	14	5	2	4	2	2	1	1	61
		1	1	1	1	1	1	1	1	1	1	31.0
3	1	4	8	2	2	2	1	1	1	1	1	20
		1	1	1	1	1	1	1	1	1	1	10.2
4	1	11	12	13	3	2	1	1	1	1	1	41
		1	1	1	1	1	1	1	1	1	1	20.8
5	1	3	2	2	1	1	2	1	1	1	1	10
		1	1	1	1	1	1	1	1	1	1	5.1
6	1	9	4	1	1	1	1	1	1	1	1	15
		1	1	1	1	1	1	1	1	1	1	7.6
COLUMN TOTAL		68	55	34	14	9	9	5	3			197
		34.5	27.9	17.3	7.1	4.6	4.6	2.5	1.5			100.0

CHI-SQUARE 38 SIGNIFICANCE 0.2636 MIN E.F. 0.244 CELLS WITH E.F. < 5 49 OF 56 (87.5%)

COUNT	JOB							ROW TOTAL
	11	21	31	41	51	61	71	
0	2	3	1	1	1	1	1	6 3.0
1	19	12	2	3	2	2	4	44 22.3
2	20	14	14	5	2	4	2	61 31.0
3	4	8	2	2	2	1	1	20 10.2
4	11	12	13	3	2	1	1	41 20.8
5	12	6	2	1	1	2	1	25 12.7
COLUMN TOTAL	68 34.5	55 27.9	34 17.3	14 7.1	9 4.6	9 4.6	8 4.1	197 100.0

CHI-SQUARE	D.F.	SIGNIFICANCE	MIN E.F.	CELLS WITH E.F. < 5
30.17290	30	0.4508	0.244	29 OF 42 (69.0%)

COUNT	JOB							ROW TOTAL
	11	21	31	41	51	71		
0	2	3	1	1	1	1	1	6 3.0
1	19	12	2	3	4	4	1	44 22.3
2	20	14	14	5	5	2	1	61 31.0
3	4	8	2	2	3	1	1	20 10.2
4	11	12	13	3	2	1	1	41 20.8
5	12	6	2	1	3	1	1	25 12.7
COLUMN TOTAL	68 34.5	55 27.9	34 17.3	14 7.1	18 9.1	8 4.1	197 100.0	

CHI-SQUARE	D.F.	SIGNIFICANCE	MIN E.F.	CELLS WITH E.F. < 5
27.40248	25	0.3301	0.244	22 OF 36 (61.1%)

TA	COUNT	D.D.S										ROW TOTAL
		11	21	31	41	51	71					
0	1	2	3	1	1	1	1	1	1	1	1	6
	I	I	I	I	I	I	I	I	I	I	I	3.0
1	1	19	12	2	3	4	4	4	4	4	44	
	I	I	I	I	I	I	I	I	I	I	22.3	
2	1	20	14	14	5	6	2	6	2	61		
	I	I	I	I	I	I	I	I	I	31.0		
3	1	15	20	15	5	5	1	5	1	61		
	I	I	I	I	I	I	I	I	I	31.0		
5	1	12	6	2	1	3	1	1	1	25		
	I	I	I	I	I	I	I	I	I	12.7		
COLUMN TOTAL		68	55	34	14	18	8	197				
		3+.5	27.9	17.3	7.1	9.1	4.1	100.0				

CHI-SQUARE	D.F.	SIGNIFICANCE	MIN E.F.	CELLS WITH E.F.< 5
20.52513	20	0.4255	0.244	17 OF 30 ( 56.7%)

TA	COUNT	D.D.S										ROW TOTAL
		11	21	31	51	71						
0	1	2	3	1	1	1	1	1	1	1	6	
	I	I	I	I	I	I	I	I	I	I	3.0	
1	1	19	12	5	4	4	4	4	4	44		
	I	I	I	I	I	I	I	I	I	22.3		
2	1	20	14	19	6	2	6	2	6	61		
	I	I	I	I	I	I	I	I	I	31.0		
3	1	15	20	20	5	1	1	1	1	61		
	I	I	I	I	I	I	I	I	I	31.0		
5	1	12	6	3	3	1	1	1	1	25		
	I	I	I	I	I	I	I	I	I	12.7		
COLUMN TOTAL		68	55	48	18	8	197					
		3+.5	27.9	24.4	9.1	4.1	100.0					

CHI-SQUARE	D.F.	SIGNIFICANCE	MIN E.F.	CELLS WITH E.F.< 5
15.83527	10	0.2772	0.244	11 OF 25 ( 44.0%)

		COUNT					ROW TOTAL
		11	21	31	51	71	
TA	0	1	3	1	1	1	6 3.0
	1	19	12	5	4	4	44 22.3
	2	20	14	19	5	2	61 31.0
	3	27	26	23	9	2	86 43.7
COLUMN TOTAL		58	55	48	18	3	197
		34.5	27.9	24.4	9.1	4.1	100.0

CHI-SQUARE	D.F.	SIGNIFICANCE	MIN E.F.	CELLS WITH E.F. < 5
11.36185	12	0.4566	0.244	9 OF 20 (45.0%)

		COUNT				ROW TOTAL
		11	21	31	51	
TA	0	2	3	1	1	6 3.0
	1	19	12	5	3	44 22.3
	2	20	14	19	3	61 31.0
	3	27	26	23	10	86 43.7
COLUMN TOTAL		58	55	48	25	197
		34.5	27.9	24.4	13.2	100.0

CHI-SQUARE	D.F.	SIGNIFICANCE	MIN E.F.	CELLS WITH E.F. < 5
9.34459	9	0.4051	0.772	4 OF 16 (25.0%)

		COUNT				ROW TOTAL
		11	21	31	51	
TA	0	2	3	1	1	6 3.0
	1	19	12	5	8	44 22.3
	2	47	40	42	13	147 74.6
	COLUMN TOTAL		68	55	48	26
		34.5	27.9	24.4	13.2	100.0

CHI-SQUARE	D.F.	SIGNIFICANCE	MIN E.F.	CELLS WITH E.F. < 5
8.33333	3	0.2167	0.792	4 OF 12 (33.3%)



		JCS			RCM TOTAL
		11	21	31	
TA	0	2	3	1	3.0
	1	19	12	13	44
	2	47	30	30	147
COLUMN TOTAL		68	55	74	197
TOTAL		89.0	87.9	117.0	293.9

CHI-SQUARE	D.F.	SIGNIFICANCE	MIN E.F.	CELLS WITH E.F. < 5
4.19353	2	0.0221	1.575	3 OF 9 (33.3%)

		JCS		RCM TOTAL
		11	31	
TA	0	5	1	3.0
	1	31	13	44
	2	87	60	147
COLUMN TOTAL		123	74	197
TOTAL		123.4	37.6	161.0

CHI-SQUARE	D.F.	SIGNIFICANCE	MIN E.F.	CELLS WITH E.F. < 5
2.98649	2	0.2246	2.254	2 OF 6 (33.3%)

		CAT								RCM TOTAL
		11	21	31	41	51	61	71	81	
DJS	1	60	13	14	10	4	4	2	8	120
	2	52	16	3	2	1	3	2	4	82
	3	15	3	5	2	1	1	1	3	31
	4	12	3	3	1	1	1	1	1	21
	5	4	2	1	1	1	1	1	2	11
	6	4	2	1	1	1	1	1	2	9
	7	1	3	1	1	1	1	1	1	5
	8	4	2	1	1	1	1	1	2	8
COLUMN TOTAL		123	49	27	17	7	8	5	21	267
TOTAL		176.0	18.4	10.1	34.4	24.0	33.0	14.7	7.9	190.0

CHI-SQUARE	D.F.	SIGNIFICANCE	MIN E.F.	CELLS WITH E.F. < 5
33.52335	79	0.0003	0.074	52 OF 84 (61.9%)

DUG	CJUNT	CAT							ROW TOTAL
		11	21	31	41	51	61	71	
1	1	60	18	14	10	4	4	10	120
	I	I	I	I	I	I	I	I	44.9
2	1	32	15	3	2	1	3	5	62
	I	I	I	I	I	I	I	I	23.2
3	1	15	3	5	2	1	1	4	31
	I	I	I	I	I	I	I	I	11.6
4	1	13	3	3	1	1	1	1	21
	I	I	I	I	I	I	I	I	7.9
5	1	4	2	1	1	1	1	2	11
	I	I	I	I	I	I	I	I	4.1
6	1	4	2	1	1	1	1	2	9
	I	I	I	I	I	I	I	I	3.4
7	1	5	5	1	1	1	1	2	13
	I	I	I	I	I	I	I	I	4.9
COLUMN TOTAL		133	49	27	17	7	9	25	267
		49.8	15.4	10.1	5.4	2.5	3.0	9.7	100.0

CHI-SQUARE      D.F.      SIGNIFICANCE      MIN E.F.      CELLS WITH E.F. < 5

28.02377      35      0.8262      0.236      35 OF 49 ( 71.4%)

DUG	CJUNT	CAT							ROW TOTAL
		11	21	31	41	51	71		
1	1	60	18	14	10	8	10	120	
	I	I	I	I	I	I	I	44.9	
2	1	32	16	3	2	3	6	62	
	I	I	I	I	I	I	I	23.2	
3	1	15	3	5	2	2	4	31	
	I	I	I	I	I	I	I	11.6	
4	1	13	3	3	1	1	1	21	
	I	I	I	I	I	I	I	7.9	
5	1	3	4	2	1	1	4	20	
	I	I	I	I	I	I	I	7.5	
7	1	5	5	1	1	1	2	13	
	I	I	I	I	I	I	I	4.9	
COLUMN TOTAL		133	49	27	17	15	26	257	
		49.8	15.4	10.1	5.4	5.3	9.7	100.0	

CHI-SQUARE      D.F.      SIGNIFICANCE      MIN E.F.      CELLS WITH E.F. < 5

21.31451      25      0.6749      0.750      21 OF 36 ( 58.3%)

DOG	COUNT	CAT					ROW TOTAL
		11	21	31	51	71	
1	1	50	13	24	3	10	120 44.9
2	1	32	15	5	3	5	62 23.2
3	1	23	5	11	3	4	52 19.5
5	1	3	4	3	1	4	20 7.5
7	1	5	5	1	1	2	13 4.9
COLUMN TOTAL		133 47.3	49 18.4	44 16.5	13 5.5	25 9.7	267 100.0

CHI-SQUARE	D.F.	SIGNIFICANCE	MIN E.F.	CELLS WITH E.F. < 5
16.75054	15	0.4019	0.730	10 OF 25 (40.0%)

DOG	COUNT	CAT				ROW TOTAL
		11	21	31	51	
1	1	50	13	24	18	120 44.9
2	1	32	16	5	9	62 23.2
3	1	23	5	11	7	52 19.5
5	1	13	9	4	7	33 12.4
COLUMN TOTAL		133 47.3	49 18.4	44 16.5	41 15.4	267 100.0

CHI-SQUARE	D.F.	SIGNIFICANCE	MIN E.F.	CELLS WITH E.F. < 5
11.32191	9	0.2235	5.267	NONE

DOG	COUNT	CAT			ROW TOTAL
		11	21	31	
1	1	50	18	42	120 44.9
2	1	32	15	14	62 23.2
3	1	41	15	20	85 31.3
COLUMN TOTAL		133 47.3	49 18.4	55 20.3	267 100.0

CHI-SQUARE	D.F.	SIGNIFICANCE	MIN E.F.	CELLS WITH E.F. < 5
6.90330	4	0.2374	11.378	NONE

DUG	COUNT	CAT		ROW TOTAL
		11	31	
1	126	56	182	
2	55	27	82	
COLUMN TOTAL	182	83	267	

CHI-SQUARE	D.F.	SIGNIFICANCE	MIN E.F.	CELLS WITH E.F. < 5
0.15494	1	0.6846	27.060	NONE
0.29936	1	0.5843	( BEFORE YATES CORRECTION )	

NB	COUNT	MARRY			ROW TOTAL
		11	21	31	
1	251	19	1	271	
2	32	6	1	39	
3	19	1	1	21	
4	5	1	1	7	
5	3	1	1	5	
6	1	1	1	3	
7	1	1	1	3	
COLUMN TOTAL	313	26	3	342	

CHI-SQUARE	D.F.	SIGNIFICANCE	MIN E.F.	CELLS WITH E.F. < 5
27.97178	12	0.0036	0.009	16 OF 31 ( 70.2% )

		HARRY			
COUNT		11	21	31	RJW TOTAL
N3	1	251	19	1	271
					79.2
	2	32	5	1	39
					11.4
	3	19			19
					5.5
4	5		1	7	
				2.0	
5	3			3	
				.9	
6	2		1	3	
				.9	
COLUMN TOTAL		313	25	3	342
		91.5	7.6	.9	100.0

CHI-SQUARE	D.F.	SIGNIFICANCE	MIN E.F.	CELLS WITH E.F. < 5
25.49756	10	0.0045	0.026	13 OF 18 ( 72.2%)

		HARRY			
COUNT		11	21	31	RJW TOTAL
N3	1	251	19	1	271
					79.2
	2	32	6	1	39
					11.4
	3	19			19
					5.5
4	9			10	
				2.9	
6	2		1	3	
				.9	
COLUMN TOTAL		313	25	3	342
		91.5	7.6	.9	100.0

CHI-SQUARE	D.F.	SIGNIFICANCE	MIN E.F.	CELLS WITH E.F. < 5
20.55432	3	0.0034	0.026	10 OF 15 ( 66.7%)

NB	COUNT	MARRY			ROW TOTAL
		11	21	31	
1	251	19	1	271	
2	32	6	1	39	
3	19	1	1	21	
4	11	1	1	13	
COLUMN TOTAL	313	26	3	342	
	91.5	7.5	.9	100.0	

CHI-SQUARE	D.F.	SIGNIFICANCE	MIN E.F.	CELLS WITH E.F. < 5
14.42399	3	0.0252	0.114	7 OF 12 (58.3%)

NB	COUNT	MARRY			ROW TOTAL
		11	21	31	
1	251	19	1	271	
2	32	6	1	39	
3	30	1	1	32	
COLUMN TOTAL	313	26	3	342	
	91.5	7.5	.9	100.0	

CHI-SQUARE	D.F.	SIGNIFICANCE	MIN E.F.	CELLS WITH E.F. < 5
8.41686	4	0.0774	0.231	5 OF 9 (55.6%)

NB	COUNT	MARRY		ROW TOTAL
		11	21	
1	251	20	1	271
2	62	9	1	71
COLUMN TOTAL	313	29	2	342
	91.5	8.5	0.6	100.0

CHI-SQUARE	D.F.	SIGNIFICANCE	MIN E.F.	CELLS WITH E.F. < 5
1.40315	1	0.2354	0.020	NOTE
2.05531	1	0.1529	( BEFORE YATES CORRECTION )	

TA	COUNT	HARRY			ROW TOTAL
		11	21	31	
0	17	1	1	1	17 4.3
1	95	7	1	1	102 25.7
2	120	10	2	1	132 33.2
3	33	1	1	1	35 8.8
4	70	1	1	1	72 18.1
5	13	3	1	1	16 4.0
6	10	1	1	1	11 2.8
7	11	1	1	1	12 3.0
COLUMN TOTAL	399	24	4	4	397 100.0

CHI-SQUARE	D.F.	SIGNIFICANCE	MIN E.F.	CELLS WITH E.F. < 5
13.13037	14	0.5163	0.111	14 OF 24 (58.3%)

TA	COUNT	HARRY			ROW TOTAL
		11	21	31	
0	17	1	1	1	17 4.3
1	95	7	1	1	102 25.7
2	120	10	2	1	132 33.2
3	33	1	1	1	35 8.8
4	70	1	1	1	72 18.1
5	13	3	1	1	16 4.0
6	21	2	1	1	23 5.8
COLUMN TOTAL	399	24	4	4	397 100.0

CHI-SQUARE	D.F.	SIGNIFICANCE	MIN E.F.	CELLS WITH E.F. < 5
13.12435	14	0.5201	0.111	12 OF 21 (57.1%)

TA	MARRY				ROW TOTAL
	0	1	2	3	
0	17	1	1	1	17
					4.3
1	95	7	1	1	102
					25.7
2	120	10	2	1	132
					33.2
3	53	1	1	1	35
					8.3
4	70	1	1	1	72
					18.1
5	34	5	1	1	39
					9.3
COLUMN TOTAL	359	24	4	397	
	92.9	6.0	1.0	100.0	

CHI-SQUARE	D.F.	SIGNIFICANCE	MIN E.F.	CELLS WITH E.F. < 5
11.4447	10	0.3240	0.171	10 OF 18 ( 55.6%)

TA	MARRY				ROW TOTAL
	0	1	2	3	
0	17	1	1	1	17
					4.3
1	95	7	1	1	102
					25.7
2	120	10	2	1	132
					33.2
3	103	2	2	1	107
					27.0
5	34	5	1	1	39
					9.3
COLUMN TOTAL	359	24	4	397	
	92.9	6.0	1.0	100.0	

CHI-SQUARE	D.F.	SIGNIFICANCE	MIN E.F.	CELLS WITH E.F. < 5
10.33434	3	0.2113	0.171	7 OF 15 ( 46.7%)



TA	COUNT	MARRY			ROW TOTAL
		11	21	31	
0	1	17	1	1	17
	1				4.3
1	1	95	7	1	102
	1				25.7
2	1	120	10	2	132
	1				33.2
3	1	137	7	2	146
	1				35.3
COLUMN TOTAL		369	24	4	397
		92.9	6.0	1.0	100.0

CHI-SQUARE	D.F.	SIGNIFICANCE	MIN E.F.	CELLS WITH E.F. < 5
3.91722	0	0.0376	0.171	5 OF 12 (41.7%)

TA	COUNT	MARRY			ROW TOTAL
		11	21		
0	1	17	1	1	17
	1				4.3
1	1	95	7	1	102
	1				25.7
2	1	120	12	1	132
	1				33.2
3	1	137	9	1	146
	1				35.3
COLUMN TOTAL		369	23	3	397
		92.9	7.1	100.0	

CHI-SQUARE	D.F.	SIGNIFICANCE	MIN E.F.	CELLS WITH E.F. < 5
2.30776	3	0.5110	1.199	1 OF 8 (12.5%)

TA	COUNT	MARRY			ROW TOTAL
		11	21		
0	1	17	1	1	17
	1				4.3
1	1	95	7	1	102
	1				25.7
2	1	207	21	1	273
	1				70.0
COLUMN TOTAL		369	26	3	397
		92.9	7.1	100.0	

CHI-SQUARE	D.F.	SIGNIFICANCE	MIN E.F.	CELLS WITH E.F. < 5
1.47207	2	0.4961	1.199	1 OF 5 (16.7%)



NUMBER	COUNT	CAT								ROW TOTAL
		11	21	31	41	51	61	71	81	
0	3	1	2	1	1	1	1	1	1	6
1	7	4	2	2	1	1	1	1	1	16
2	36	18	10	5	5	2	1	4	81	
3	57	18	12	7	6	3	4	5	112	
4	54	23	10	13	5	2	3	5	124	
5	47	23	12	5	9	1	1	10	108	
6	49	25	5	7	5	2	2	5	103	
7	40	12	3	5	2	2	1	7	76	
8	35	11	12	5	3	2	1	4	92	
9	4	1	1	1	1	1	1	1	9	
COLUMN TOTAL	336	142	74	52	36	15	10	41	726	
	47.0	19.6	10.2	7.2	5.0	2.1	1.4	5.6	100.0	

CHI-SQUARE 0.F. SIGNIFICANCE MIN E.F. CELLS WITH E.F. < 5  
 31.39593 63 0.8447 0.033 42 OF 39 ( 52.521 )

NUMBER	COUNT	CAT								ROW TOTAL
		11	21	31	41	51	61	71	81	
0	3	1	2	1	1	1	1	1	1	6
1	7	4	2	2	1	1	1	1	1	16
2	36	18	10	5	5	2	1	4	81	
3	57	18	12	7	6	3	4	5	112	
4	56	28	10	13	5	2	3	5	124	
5	47	23	12	5	9	1	1	10	108	
6	49	25	5	7	5	2	2	5	103	
7	40	12	3	5	2	2	1	7	76	
8	39	12	13	5	4	3	1	4	100	
COLUMN TOTAL	336	142	74	52	36	15	10	41	726	
	47.0	19.6	10.2	7.2	5.0	2.1	1.4	5.6	100.0	

CHI-SQUARE 0.F. SIGNIFICANCE MIN E.F. CELLS WITH E.F. < 5  
 35.73310 50 0.3291 0.033 34 OF 72 ( 47.221 )

COUNT	CAT								ROW TOTAL
	11	21	31	41	51	61	71		
0	3	1	2						6
1	7	4	2	2					16
2	26	18	10	5	5	2	5		31
3	57	13	12	7	6	3	9		112
4	58	28	10	13	5	2	8		124
5	47	23	12	5	9	1	10		109
6	49	25	5	9	5	2	7		103
7	40	12	3	5	2	2	7		76
8	59	12	13	5	4	3	4		100
COLUMN TOTAL	355	142	74	52	36	15	51		726
	49.0	19.5	10.2	7.2	5.0	2.1	7.0		100.0

CHI-SQUARE      D.F.      SIGNIFICANCE      MIN E.F.      CELLS WITH E.F. < 5

33.84143      48      0.9392      0.124      23 CF      63 (36.5%)

COUNT	CAT								ROW TOTAL
	11	21	31	41	51	61	71		
0	3	1	2						6
1	7	4	2	2					16
2	36	18	10	5	5	2	5		81
3	57	13	12	7	6	3	9		112
4	53	28	10	13	5	2	8		124
5	47	23	12	5	9	1	10		108
6	89	38	13	14	7	4	14		179
8	59	12	13	5	4	3	4		100
COLUMN TOTAL	355	142	74	52	36	15	51		726
	49.0	19.5	10.2	7.2	5.0	2.1	7.0		100.0

CHI-SQUARE      D.F.      SIGNIFICANCE      MIN E.F.      CELLS WITH E.F. < 5

29.05072      42      0.9555      0.124      21 CF      55 (37.5%)

NUMBER	CAT							ROW TOTAL
	11	21	31	41	51	71		
0	3	1	2				5	
1	7	4	2	2		1	15	
2	36	18	10	5	7	5	31	
3	57	18	12	7	9	9	112	
4	58	23	10	13	7	8	124	
5	47	23	12	5	10	10	103	
6	39	38	13	14	11	14	179	
8	59	12	13	5	7	4	100	
COLUMN TOTAL	355	142	74	52	51	51	726	

CHI-SQUARE    D.F.    SIGNIFICANCE    MIN E.F.    CELLS WITH E.F. < 5

25.74612    35    0.8729    0.421    11 OF 48 ( 22.9%)

NUMBER	CAT							ROW TOTAL
	11	21	31	41	51	71		
0	3	1	2				5	
1	7	4	2	2		1	15	
2	36	18	10	5	7	5	31	
3	57	18	12	7	9	9	112	
4	105	51	22	19	17	13	232	
6	39	38	13	14	11	14	179	
8	59	12	13	5	7	4	100	
COLUMN TOTAL	356	142	74	52	51	51	726	

CHI-SQUARE    D.F.    SIGNIFICANCE    MIN E.F.    CELLS WITH E.F. < 5

21.35353    30    0.8760    0.421    11 OF 42 ( 26.2%)

NUMBER	COUNT	CAT					ROW TOTAL
		11	21	31	51	71	
0	3	1	1	2	1	1	6 .8
1	7	4	4		1	1	16 2.2
2	36	18	15	7	5		61 11.2
3	57	18	19	9	9		112 15.4
4	105	51	41	17	18		232 32.0
5	89	33	27	11	14		179 24.7
6	59	12	13	7	4		100 13.8
COLUMN TOTAL	356 49.0	142 19.6	126 17.4	51 7.0	51 7.0	726 100.0	

CHI-SQUARE      D.F.      SIGNIFICANCE      MIN E.F.      CELLS WITH E.F. < 5

14.99200      2+      0.9210      0.+21      9 OF 35 ( 25.7%)

NUMBER	COUNT	CAT					ROW TOTAL
		11	21	31	51	71	
0	3	1	1	2	1	1	6 .8
1	7	4	4		1	1	16 2.2
2	36	18	15	7	5		61 11.2
3	57	18	19	9	9		112 15.4
4	194	89	63	28	32		411 56.0
5	59	12	13	7	4		100 13.8
COLUMN TOTAL	356 49.0	142 19.6	126 17.4	51 7.0	51 7.0	726 100.0	

CHI-SQUARE      D.F.      SIGNIFICANCE      MIN E.F.      CELLS WITH E.F. < 5

13.98130      20      0.8525      0.+21      9 OF 30 ( 30.0%)

NUMPOWER	COUNT	CAT				ROW TOTAL
		11	21	31	51	
0	3	1	1	2	1	5
						.3
1	7	4	4	1	1	15
						2.2
2	35	13	15	12	1	81
						11.2
3	57	13	19	13	1	112
						15.4
4	194	89	58	60	1	411
						50.5
3	39	12	13	11	1	100
						13.8
COLUMN TOTAL	355	142	125	102	725	
	49.0	19.6	17.4	14.0	100.0	

CHI-SQUARE	D.F.	SIGNIFICANCE	MIN E.F.	CELLS WITH E.F. < 5
12.24729	15	0.6602	0.343	7 OF 24 (29.2%)

NUMPOWER	COUNT	CAT				ROW TOTAL
		11	21	31	51	
0	3	1	1	2	1	6
						.8
1	7	4	4	1	1	16
						2.2
2	36	13	15	12	1	81
						11.2
3	251	107	37	78	1	523
						72.0
3	59	12	13	11	1	100
						13.8
COLUMN TOTAL	356	142	125	102	725	
	49.0	19.6	17.4	14.0	100.0	

CHI-SQUARE	D.F.	SIGNIFICANCE	MIN E.F.	CELLS WITH E.F. < 5
10.45529	12	0.5761	0.343	7 OF 20 (35.0%)

NUMBER	COUNT	CAT			RJM TOTAL
		I	II	3I	
0	3	1	1	2	6
					.3
1	7	4	1	5	15
					2.2
2	35	13	1	27	81
					11.2
3	251	107	1	165	523
					72.0
8	59	12	1	29	100
					13.3
COLUMN TOTAL		355	142	223	726
		47.0	19.6	31.4	100.0

CHI-SQUARE	D.F.	SIGNIFICANCE	MIN E.F.	CELLS WITH E.F. < 5
6.57135	3	0.5835	1.174	4 OF 15 (26.7%)

NUMBER	COUNT	CAT			RJM TOTAL
		I	II	3I	
0	4	1	1	2	6
					.3
1	65	32	1	33	97
					13.4
3	358	165	1	192	523
					72.0
8	71	29	1	31	100
					13.3
COLUMN TOTAL		498	223	126	847
		63.3	31.4	100.0	

CHI-SQUARE	D.F.	SIGNIFICANCE	MIN E.F.	CELLS WITH E.F. < 5
1.37575	3	0.7409	1.384	2 OF 8 (25.0%)

COUNT	JJS									ROW TOTAL
	11	21	31	41	51	61	71	81		
1	1	4	1	1	1	1	1	1	1	5
2	21	9	3	1	2	1	1	2	1	38
3	23	12	10	4	5	2	1	1	1	52
4	52	28	13	4	5	4	2	5	1	115
5	76	38	22	11	1	4	2	5	1	158
6	52	32	22	3	5	3	2	4	1	129
7	47	29	13	10	7	1	2	1	1	114
8	111	49	31	23	12	7	3	6	1	247
9	23	4	7	1	1	2	1	1	1	35
COLUMN TOTAL	410	205	126	62	37	23	17	23	903	
	45.2	22.7	14.0	5.9	4.1	2.5	1.9	2.5	100.0	

CHI-SQUARE D.F. SIGNIFICANCE MIN. E.F. CELLS WITH E.F. < 5  
 55.37345 56 0.0739 0.074 39 OF 72 (54.2%)

COUNT	JJS									ROW TOTAL
	11	21	31	41	51	61	71	81		
1	1	4	1	1	1	1	1	1	1	5
2	21	9	3	1	2	1	1	2	1	38
3	23	12	10	4	5	2	1	1	1	52
4	52	28	13	4	5	4	2	5	1	115
5	76	38	22	11	1	4	2	5	1	158
6	52	32	22	3	5	3	2	4	1	129
7	47	27	13	10	7	1	2	1	1	114
8	111	51	31	24	12	9	3	6	1	282
COLUMN TOTAL	410	205	126	62	37	23	17	23	903	
	45.2	22.7	14.0	5.9	4.1	2.5	1.9	2.5	100.0	

CHI-SQUARE D.F. SIGNIFICANCE MIN. E.F. CELLS WITH E.F. < 5  
 7.00025 56 0.0000 0.074 32 OF 54 (59.3%)



NUM	COUNT										ROW TOTAL
	11	21	31	41	51	61	71				
1	1	4	1	1	1	1	1	5			
2	21	9	3	1	2	1	2	38			
3	23	12	10	4	5	2	1	62			
4	53	23	13	4	5	4	7	115			
5	76	39	22	11	1	4	7	158			
6	53	32	22	3	5	3	5	129			
7	47	29	13	10	7	1	2	114			
8	131	53	33	24	12	9	15	282			
COLUMN TOTAL	410	205	125	62	37	23	40	903			
	45.4	22.7	14.0	5.9	4.1	2.5	4.4	100.0			

CHI-SQUARE    D.F.    SIGNIFICANCE    MIN E.P.    CELLS WITH E.P. < 5

40.45474    42    0.5585    0.127    21 OF 56 ( 37.5%)

NUM	COUNT										ROW TOTAL
	11	21	31	41	51	61	71				
1	1	4	1	1	1	1	1	5			
2	21	9	3	1	2	1	2	38			
3	23	12	10	4	5	2	1	62			
4	53	23	13	4	6	4	7	115			
5	76	38	22	11	1	4	7	158			
6	100	61	40	13	12	4	3	243			
8	131	53	33	24	12	9	15	282			
COLUMN TOTAL	410	205	125	62	37	23	40	903			
	45.4	22.7	14.0	5.9	4.1	2.5	4.4	100.0			

CHI-SQUARE    D.F.    SIGNIFICANCE    MIN E.P.    CELLS WITH E.P. < 5

37.49900    35    0.4047    0.127    16 OF 49 ( 32.7%)

NUM	COUNT	D33							ROW TOTAL
		11	21	31	41	51	71		
1	1	1	4	1	1	1	1	1	5
2	21	1	9	3	1	2	2	33	4.2
3	28	1	12	10	4	7	1	62	6.9
4	53	1	29	13	4	10	7	115	12.7
5	75	1	38	22	11	4	7	153	17.5
6	100	1	61	40	13	16	8	243	26.9
8	131	1	53	38	24	21	15	292	31.2
COLUMN TOTAL		410	205	125	62	60	40	993	100.0

CHI-SQUARE    D.F.    SIGNIFICANCE    MIN E.F.    CELLS WITH E.F. < 5

32.07237    30    0.3642    0.221    12 OF 42 ( 28.6%)

NUM	COUNT	D33							ROW TOTAL
		11	21	31	41	51	71		
1	1	1	4	1	1	1	1	5	
2	21	1	9	3	1	2	2	33	4.2
3	28	1	12	10	4	7	1	62	6.9
4	129	1	66	35	15	14	14	273	30.2
6	100	1	61	40	18	16	8	243	26.9
8	131	1	53	38	24	21	15	292	31.2
COLUMN TOTAL		410	205	125	62	60	40	993	100.0

CHI-SQUARE    D.F.    SIGNIFICANCE    MIN E.F.    CELLS WITH E.F. < 5

29.23625    29    0.5923    0.221    12 OF 36 ( 33.3%)

NUM	COUNT						ROW TOTAL
	1	11	21	31	51	71	
1	1	1	4	1	1	1	5
2	21	9	4	2	2	2	38
3	28	12	14	7	1	1	62
4	129	66	50	14	14	1	273
5	100	51	53	16	8	1	243
6	131	53	52	21	15	1	282
COLUMN TOTAL	410	205	133	60	40	903	100.0

CHI-SQUARE	D.F.	SIGNIFICANCE	MIN E.F.	CELLS WITH E.F. < 5
24.85336	20	0.2079	0.221	9-DF 30 (30.0%)

NUM	COUNT						ROW TOTAL
	1	11	21	31	51	71	
1	1	1	4	1	1	1	5
2	21	9	4	2	2	2	38
3	23	12	14	7	1	1	62
4	229	127	108	30	22	1	516
5	131	53	52	21	15	1	282
COLUMN TOTAL	410	205	133	60	40	903	100.0

CHI-SQUARE	D.F.	SIGNIFICANCE	MIN E.F.	CELLS WITH E.F. < 5
20.43700	18	0.2011	0.221	9-DF 25 (36.0%)

NUM	COUNT	DOB				ROW TOTAL
		11	21	31	51	
1	1	1	4	1	1	5
		1	1	1	1	.6
2	21	1	9	4	4	33
		1	1	1	1	4.2
3	29	1	12	14	3	62
		1	1	1	1	6.9
4	129	1	127	103	52	313
		1	1	1	1	57.1
5	131	1	53	52	35	282
		1	1	1	1	31.2
COLUMN TOTAL	410	205	133	100	903	100.0
	5.4	22.7	20.3	11.1		

CHI-SQUARE	D.F.	SIGNIFICANCE	MIN E.F.	CELLS WITH E.F. < 5
17.18927	12	0.1426	0.534	5 OF 20 ( 25.0%)

NUM	COUNT	DOB				ROW TOTAL
		11	21	31	51	
1	1	1	4	1	1	5
		1	1	1	1	.6
2	21	1	9	4	4	33
		1	1	1	1	4.2
3	297	1	139	122	60	578
		1	1	1	1	64.0
8	131	1	53	52	35	282
		1	1	1	1	31.2
COLUMN TOTAL	410	205	133	100	903	100.0
	5.4	22.7	20.3	11.1		

CHI-SQUARE	D.F.	SIGNIFICANCE	MIN E.F.	CELLS WITH E.F. < 5
16.03640	9	0.0651	0.534	5 OF 16 ( 31.3%)

NUM	COUNT	DOB				ROW TOTAL
		11	21	31	51	
1	1	1	4	1	1	5
		1	1	1	1	.6
2	21	1	9	3	1	33
		1	1	1	1	4.2
3	297	1	139	132	1	578
		1	1	1	1	64.0
5	131	1	53	93	1	282
		1	1	1	1	31.2
COLUMN TOTAL	410	205	253	203	903	100.0
	5.4	22.7	31.0	10.0		

CHI-SQUARE	D.F.	SIGNIFICANCE	MIN E.F.	CELLS WITH E.F. < 5
19.0057	9	0.0193	1.255	5 OF 12 ( 25.0%)



COUNT	MARRY			ROW TOTAL
	11	31		
1	35	8	43	
3	395	132	527	
3	134	98	232	
<b>COLUMN TOTAL</b>	<b>565</b>	<b>288</b>	<b>853</b>	
	<b>63.1</b>	<b>31.9</b>	<b>100.0</b>	

CHI-SQUARE	D.F.	SIGNIFICANCE	MIN E.F.	CELLS WITH E.F. < 5
4.50025	2	0.1002	13.714	NONE

COUNT	MARRY							ROW TOTAL
	11	21	31	41	51	61		
1	21	5	1	1	1	1	28	
2	117	22	1	1	1	1	139	
3	230	31	2	1	1	1	265	
4	397	32	2	1	1	1	433	
5	473	23	2	1	1	1	500	
6	410	22	2	1	1	1	436	
7	321	22	1	1	1	1	344	
8	530	42	5	1	1	1	609	
9	35	2	1	1	1	1	39	
<b>COLUMN TOTAL</b>	<b>2514</b>	<b>201</b>	<b>16</b>	<b>4</b>	<b>2</b>	<b>5</b>	<b>2812</b>	
	<b>92.0</b>	<b>7.1</b>	<b>.6</b>	<b>.1</b>	<b>.1</b>	<b>.2</b>	<b>100.0</b>	

CHI-SQUARE	D.F.	SIGNIFICANCE	MIN E.F.	CELLS WITH E.F. < 5
75.75132	40	0.0004	0.020	37 OF 64 (58.5%)

NUM	CJUNT	MARRY						ROW TOTAL
		11	21	31	41	51	61	
1	1	21	5	1	1	1	1	28
	1							1.0
2	1	117	22		1	1	1	139
	1							4.9
3	1	230	31	2	1	1	1	265
	1							9.3
4	1	397	32	2	1	1	2	433
	1							15.2
5	1	473	23	2	1	1	1	500
	1							17.6
6	1	410	22	2	1	1	1	436
	1							15.3
7	1	321	22	1	1	1	1	344
	1							12.1
8	1	343	44	3	1	1	1	697
	1							24.5
COLUMN TOTAL		2314	291	10	4	2	5	2842
		92.0	7.1	.5	.1	.1	.2	100.0

CHI-SQUARE	D.F.	SIGNIFICANCE	MIN E.F.	CELLS WITH E.F. < 5
74.04580	35	0.0001	0.020	33 OF 48 ( 68.8%)

NUM	CJUNT	MARRY						ROW TOTAL
		11	21	31	41	61		
1	1	21	5	1	1	1	28	
	1						1.0	
2	1	117	22		1	1	139	
	1						4.9	
3	1	230	31	2	1	1	265	
	1						9.3	
4	1	397	32	2	1	2	433	
	1						15.2	
5	1	473	23	2	1	1	500	
	1						17.6	
6	1	410	22	2	1	1	436	
	1						15.3	
7	1	321	22	1	1	1	344	
	1						12.1	
8	1	343	44	3	1	1	697	
	1						24.5	
COLUMN TOTAL		2314	291	10	4	5	2842	
		92.0	7.1	.5	.2	.2	100.0	

CHI-SQUARE	D.F.	SIGNIFICANCE	MIN E.F.	CELLS WITH E.F. < 5
69.31959	23	0.0000	0.049	25 OF 40 ( 62.5%)

NUM	COUNT	MARRY					ROW TOTAL	RC% TOTAL
		11	21	31	41	61		
1	21	5	1	1	1	28	1.0	
2	117	22	1	1	1	139	4.9	
3	230	31	2	1	1	265	9.3	
4	397	32	2	2	1	433	15.2	
5	473	23	2	1	1	500	17.6	
6	731	44	3	1	1	780	27.4	
7	545	44	6	1	1	697	24.5	
COLUMN TOTAL	2314	201	16	9	5	2842	100.0	

CHI-SQUARE	D.F.	SIGNIFICANCE	MIN E.F.	CELLS WITH E.F. < 5
67.96314	24	0.0000	0.049	22 (CF 35 ( 52.9%))

NUM	COUNT	MARRY				ROW TOTAL	RC% TOTAL
		11	21	31	41		
1	21	5	1	1	28	1.0	
2	117	22	1	1	139	4.9	
3	230	31	2	2	265	9.3	
4	397	32	2	2	433	15.2	
5	473	23	2	2	500	17.6	
6	731	44	3	2	780	27.4	
7	545	44	6	2	697	24.5	
COLUMN TOTAL	2314	201	16	11	2842	100.0	

CHI-SQUARE	D.F.	SIGNIFICANCE	MIN E.F.	CELLS WITH E.F. < 5
54.32836	13	0.0000	0.108	15 (CF 28 ( 53.6%))

NUM	COUNT	MARRY				ROW TOTAL
		11	21	31	41	
1	1	21	5	1	1	28
						1.0
2	117	22				139
						4.9
3	230	31	2	2		265
						9.3
4	370	55	4	4		433
						32.8
6	731	44	3	2		780
						27.4
8	545	44	5	2		697
						24.5
	COLUMN TOTAL	2514	201	16	11	2842
		92.0	7.1	.6	.4	100.0

CHI-SQUARE	D.F.	SIGNIFICANCE	MIN E.F.	CELLS WITH E.F. < 5
52.92086	15	0.0000	0.108	12 OF 24 ( 50.0%)

NUM	COUNT	MARRY			ROW TOTAL
		11	21	31	
1	1	21	5	2	23
					1.0
2	117	22			139
					4.9
3	230	31	4		265
					9.3
4	370	55	3		428
					32.8
6	731	44	5		780
					27.4
8	545	44	3		697
					24.5
	COLUMN TOTAL	2514	201	27	2842
		92.0	7.1	1.0	100.0

CHI-SQUARE	D.F.	SIGNIFICANCE	MIN E.F.	CELLS WITH E.F. < 5
59.91210	19	0.0000	0.266	4 OF 18 ( 22.2%)



NUM	COUNT	MARRY			ROW TOTAL
		11	21	31	
1	21	5	2	28	
2	117	22	1	139	
3	230	31	4	265	
4	1501	99	13	1713	
5	545	44	3	597	
COLUMN TOTAL	2314	201	27	2342	

CHI-SQUARE	D.F.	SIGNIFICANCE	MIN E.F.	CELLS WITH E.F. < 5
49.75368	3	0.0000	0.266	4 OF 15 ( 26.7%)

NUM	COUNT	MARRY			ROW TOTAL
		11	21	31	
1	21	7	1	23	
2	117	22	1	139	
3	230	35	1	265	
4	1501	112	1	1713	
5	545	52	1	597	
COLUMN TOTAL	2314	228	5	2342	

CHI-SQUARE	D.F.	SIGNIFICANCE	MIN E.F.	CELLS WITH E.F. < 5
37.43007	4	0.0000	2.246	1 OF 10 ( 10.0%)

NUM	MARRY		ROW TOTAL			
	1	2	11	21		
1	1	23	1	7	1	23
						1.0
2	1	117	1	22	1	139
						4.9
3	1	1331	1	147	1	1973
						69.5
3	1	145	1	52	1	197
						24.5
COLUMN TOTAL	2914	228	2912			100.0
	92.0	8.0				

CHI-SQUARE	D.F.	SIGNIFICANCE	MIN E.F.	CELLS WITH E.F. < 5
23.94611	3	0.0000	2.270	1 OF 8 (12.5%)

NUM	MARRY		ROW TOTAL			
	1	2	11	21		
1	1	138	1	29	1	167
						5.9
3	1	1331	1	147	1	1973
						69.5
3	1	145	1	52	1	197
						24.5
COLUMN TOTAL	2914	228	2912			100.0
	92.0	8.0				

CHI-SQUARE	D.F.	SIGNIFICANCE	MIN E.F.	CELLS WITH E.F. < 5
20.93370	2	0.0000	13.398	NONE

INCOME	COUNT	FARE										ROW TOTAL
		11	21	31	41	51	61	101	141	221		
1	1205	43	14	2	1	1	1	1	1	170	1438	
											43.5	
2	272	10	2							34	319	
											9.6	
3	79									14	95	
											2.9	
4	21	1								4	27	
											.3	
5	3		1							1	5	
											.2	
6	5									1	7	
											.2	
7	3										3	
											.1	
8	1										1	
											.0	
9										1	1	
											.0	
11	4										4	
											.1	
12	1										1	
											.0	
13	1209	26	7	1						160	1405	
											42.5	
COLUMN TOTAL	203	80	24	3	1	4	5	1	285	3306		
	84.8	2.4	.7	.1	.0	.1	.2	.0	11.6	100.0		

CHI-SQUARE      D.F.      SIGNIFICANCE      MIN E.F.      CELLS WITH E.F. < 5

187.42295      38      0.0000      0.000      93 OF 108 ( 86.1%)

INCOME	COUNT	FARE										ROW TOTAL
		11	21	31	41	51	61	101	141	221		
1	1205	43	14	2	1	1	1	1	1	170	1438	
											43.5	
2	272	10	2				1	1		34	319	
											9.6	
3	79						1	1		14	95	
											2.9	
4	21	1					1			4	27	
											.8	
5	3		1							1	5	
											.2	
6	5							1		1	7	
											.2	
7	3										3	
											.1	
8	1									1	2	
											.1	
11	4										4	
											.1	
12	1										1	
											.0	
13	1209	26	7	1			1	1		160	1405	
											42.5	
COLUMN TOTAL	2803	80	24	3	1	4	5	1	285	3306		
	84.8	2.4	.7	.1	.0	.1	.2	.0	11.6	100.0		

CHI-SQUARE    D.F.    SIGNIFICANCE    MIN E.F.    CELLS WITH E.F. < 5

182.53371    80    0.0000    0.000    84 OF 99 ( 84.8%)

INCOME	COUNT	FARE										ROW TOTAL
		11	21	31	41	51	61	101	131	221		
1	1205	43	14	2	1	1	1	1	1	170	1438	
											43.5	
2	272	10	2				1	1		34	319	
											9.6	
3	79						1	1		14	95	
											2.9	
4	21	1					1			4	27	
											.8	
5	3		1							1	5	
											.2	
6	8							1		1	10	
											.3	
8	1									1	2	
											.1	
11	4										4	
											.1	
12	1										1	
											.0	
13	1209	26	7	1			1	1		160	1405	
											42.5	
COLUMN TOTAL	2803	80	24	3	1	4	5	1	285	3306		
	84.8	2.4	.7	.1	.0	.1	.2	.0	11.6	100.0		

CHI-SQUARE    D.F.    SIGNIFICANCE    MIN E.F.    CELLS WITH E.F. < 5

153.63236    72    0.0000    0.000    75 OF 90 ( 83.3%)

INCOME	COUNT	FARE										ROW TOTAL
		11	21	31	41	51	61	101	131	221		
1	1205	43	14	2	1	1	1	1	1	170	1438	
2	272	10	2							34	319	
3	79									14	95	
4	21	1								4	27	
5	3		1							1	5	
6	5									1	10	
8	1									1	2	
11	4										4	
12	1210	26	7	1						160	1406	
COLUMN TOTAL	2303	80	24	3	1	4	5	1	385	3306		
	84.8	2.4	.7	.1	.0	.1	.2	.0	11.6	100.0		

CHI-SQUARE 153.47927 D.F. 64 SIGNIFICANCE 0.0000 MIN E.F. 0.001 CELLS WITH E.F. < 5 66 OF 31 ( 81.5%)

INCOME	COUNT	FARE										ROW TOTAL
		11	21	31	41	51	61	101	131	211		
1	1205	43	14	2	1	1	1	1	1	170	1438	
2	272	10	2							34	319	
3	79									14	95	
4	21	1								4	27	
5	3		1							1	5	
6	8									1	10	
8	1									1	2	
10	1214	26	7	1						160	1410	
COLUMN TOTAL	2303	80	24	3	1	4	5	1	385	3306		
	84.8	2.4	.7	.1	.0	.1	.2	.0	11.6	100.0		

CHI-SQUARE 152.35910 D.F. 55 SIGNIFICANCE 0.0000 MIN E.F. 0.001 CELLS WITH E.F. < 5 57 OF 72 ( 79.2%)

INCOME	COUNT	FARE					ROW TOTAL
		11	21	31	211		
1	1205	43	29	170		1438	
						43.5	
2	272	10	3	34		319	
						9.6	
3	79		2	14		95	
						2.9	
4	32	1	3	6		42	
						1.3	
5	1215	26	10	161		1412	
						42.7	
COLUMN TOTAL		203	80	33	385	3306	
		84.8	2.4	1.1	11.6	100.0	

CHI-SQUARE	D.F.	SIGNIFICANCE	MIN E.F.	CELLS WITH E.F. < 5
26.22522	12	0.0100	0.483	6 OF 20 (30.0%)

INCOME	COUNT	FARE			ROW TOTAL
		11	21	211	
1	1205	63	170	1438	
				43.5	
2	272	13	34	319	
				9.6	
3	79	2	14	95	
				2.9	
4	1247	40	167	1454	
				44.0	
COLUMN TOTAL		203	118	385	3306
		84.8	3.5	11.6	100.0

CHI-SQUARE	D.F.	SIGNIFICANCE	MIN E.F.	CELLS WITH E.F. < 5
7.96683	3	0.2635	3.391	1 OF 12 (8.3%)

INCOME3	COUNT	FARE										ROW TOTAL					
		11	21	31	41	51	61	101	141	221							
1	1	321	1	13	1	2	1	1	1	1	1	1	36	372			
														11.3			
2	1	2	1	1	1	1	1	1	1	1	1	1	1	2			
														.1			
3	1	4	1	1	1	1	1	1	1	1	1	1	1	5			
														.2			
4	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
														.0			
10	1	3	1	1	1	1	1	1	1	1	1	1	1	4			
														.1			
11	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
														.0			
15	1	2	1	1	1	1	1	1	1	1	1	1	1	2			
														.1			
15	1	2469	1	80	1	22	1	3	1	1	4	1	5	1	1	348	2919
																	89.3
COLUMN TOTAL		2303	80	24	3	1	4	5	1	1	5	1	1	385	3306	100.0	
		84.8	2.4	.7	.1	.0	.1	.2	.0					11.6			

CHI-SQUARE    D.F.    SIGNIFICANCE    MIN E.F.    CELLS WITH E.F. < 5  
 16.18373    56    1.0000    0.000    45 CF    72 ( 90.3%)

INCOME3	COUNT	FARE										ROW TOTAL					
		11	21	31	41	51	61	101	141	221							
1	1	321	1	13	1	2	1	1	1	1	1	1	36	372			
														11.3			
2	1	2	1	1	1	1	1	1	1	1	1	1	1	2			
														.1			
3	1	4	1	1	1	1	1	1	1	1	1	1	1	5			
														.2			
4	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
														.0			
10	1	4	1	1	1	1	1	1	1	1	1	1	1	5			
														.2			
11	1	2	1	1	1	1	1	1	1	1	1	1	1	2			
														.1			
12	1	2469	1	80	1	22	1	3	1	1	4	1	5	1	1	348	2919
																	89.3
COLUMN TOTAL		2303	80	24	3	1	4	5	1	1	5	1	1	385	3306	100.0	
		84.8	2.4	.7	.1	.0	.1	.2	.0					11.6			

CHI-SQUARE    D.F.    SIGNIFICANCE    MIN E.F.    CELLS WITH E.F. < 5  
 14.05550    48    1.0000    0.000    56 CF    63 ( 88.9%)

COUNT	FARE										ROW TOTAL
	11	21	31	41	51	61	101	121	221		
1	321	13	2	1	1	1	1	1	1	36	372
											11.3
2	2	1	1	1	1	1	1	1	1	1	2
											.1
3	4	1	1	1	1	1	1	1	1	1	5
											.2
4	1	1	1	1	1	1	1	1	1	1	1
											.0
10	4	1	1	1	1	1	1	1	1	1	5
											.2
11	271	66	22	3	1	4	5	1	1	348	2921
											93.4
COLUMN TOTAL	2903	80	24	3	1	4	5	1	1	385	3306
	84.8	2.4	.7	.1	.0	.1	.2	.0		11.6	100.0

CHI-SQUARE    D.F.    SIGNIFICANCE    MIN E.F.    CELLS WITH E.F. < 5

13.58932    40    1.0000    0.000    47 OF 54 ( 87.0%)

COUNT	FARE				ROW TOTAL
	11	21	31	211	
1	321	13	2	36	372
					11.3
2	2482	67	35	349	2934
					89.7
COLUMN TOTAL	2803	80	33	385	3306
	84.8	2.4	1.1	11.5	100.0

CHI-SQUARE    D.F.    SIGNIFICANCE    MIN E.F.    CELLS WITH E.F. < 5

4.87204    3    0.1814    4.276    1 OF 6 ( 12.5%)

COUNT	FARE			ROW TOTAL
	11	21	211	
1	321	15	36	372
				11.3
2	2462	103	349	2934
				89.7
COLUMN TOTAL	2803	118	385	3306
	84.8	3.0	11.6	100.0

CHI-SQUARE    D.F.    SIGNIFICANCE    MIN E.F.    CELLS WITH E.F. < 5

1.75739    2    0.4192    13.278    NONE



SLEEP	COUNT	LAND										RCW TOTAL
		01	11	21	31	41	61	71	121			
2	10	86	20	14	4	18	4	2			155	
											11.7	
3	32	200	45	58	16	35	8	21			413	
											31.1	
7	17	153	14	20	16	17	5	14			256	
											15.2	
8	41	274	49	42	22	34	12	32			506	
											38.0	
COLUMN TOTAL	100	713	128	131	58	102	29	65			1330	
	7.5	53.6	9.6	9.8	4.4	7.7	2.2	5.2			100.0	

CHI-SQUARE	D.F.	SIGNIFICANCE	MIN E.F.	CELLS WITH E.F. < 5
36.47459	21	0.0193	3.380	1 CF 32 ( 3.1%)

DAY	COUNT	INCOMES					RCW TOTAL
		01	11	21	31	41	
0	197	146	75	14	12	444	
						33.4	
3	110	48	24	9	14	205	
						15.4	
4	86	45	25	5	14	175	
						13.2	
5	230	161	65	8	42	506	
						38.0	
COLUMN TOTAL	623	400	189	35	82	1330	
	45.3	30.1	14.2	2.7	6.2	100.0	

CHI-SQUARE	D.F.	SIGNIFICANCE	MIN E.F.	CELLS WITH E.F. < 5
30.97283	12	0.0020	4.737	1 CF 20 ( 5.0%)

DAY	COUNT	LAND							RCW TOTAL
		01	11	21	31	41	61	71	
0	23	227	49	56	19	36	12	22	444
									33.4
3	10	81	21	22	15	28	9	19	205
									15.4
4	11	104	18	13	4	13	2	10	175
									13.2
5	55	301	40	40	20	25	6	18	506
									38.0
COLUMN TOTAL	100	713	128	131	58	102	29	69	1330
	7.5	53.6	9.6	9.8	4.4	7.7	2.2	5.2	100.0

CHI-SQUARE	D.F.	SIGNIFICANCE	MIN E.F.	CELLS WITH E.F. < 5
73.93632	21	0.0000	3.316	2 CF 32 ( 6.3%)

		INCOME						ROW TOTAL
COJNT		01	11	21	31	41		
SLEEP	2	58	69	12	4	2	155	
							11.7	
	3	199	140	46	12	10	413	
							31.1	
	7	100	103	31	11	11	256	
							19.2	
8	237	203	48	11	7	506		
							38.0	
COLUMN TOTAL		504	521	137	38	30	1330	
		42.4	39.2	10.3	2.9	2.3	100.0	

CHI-SQUARE	D.F.	SIGNIFICANCE	MIN E.F.	CELLS WITH E.F. < 5
18.39799	12	0.1041	3.496	2 CF 20 (10.0%)

		HOJR					ROW TOTAL
COUNT		01	11	31	41	71	
TA	1	46	136	108	245	664	1199
							90.2
6	1	9	24	42	55	131	
							9.8
COLUMN TOTAL		47	145	132	287	719	1330
		3.5	10.9	9.9	21.6	54.1	100.0

CHI-SQUARE	D.F.	SIGNIFICANCE	MIN E.F.	CELLS WITH E.F. < 5
26.96217	4	0.0000	4.629	1 CF 10 (10.0%)

		TRANSFER			ROW TOTAL	
COUNT		01	11	21		
TA	1	1078	96	25	1199	
						90.2
6	120	9	2	131		
						9.8
COLUMN TOTAL		1198	105	27	1330	
		93.1	7.9	2.0	100.0	

CHI-SQUARE	D.F.	SIGNIFICANCE	MIN E.F.	CELLS WITH E.F. < 5
0.41222	2	0.8137	2.659	1 CF 6 (16.7%)

		INCOME					ROW TOTAL
COUNT		01	11	21	31	41	
TA	1	355	478	109	29	23	1199
							90.2
6	49	45	28	9	2	131	
							9.8
COLUMN TOTAL		404	521	137	38	30	1330
		45.4	39.2	10.3	2.9	2.3	100.0

CHI-SQUARE	D.F.	SIGNIFICANCE	MIN E.F.	CELLS WITH E.F. < 5
29.57835	4	0.0000	2.955	2 CF 10 (20.0%)

		EXERCISE													
COUNT	I														
		01	11	21	31	41	51	61	71	81	91	101	111	121	131
1	1	596	24	10	34	0	47	03	17	98	298				
0	1	39	4	3	7	1	4	0	2	15	50				
<b>COLUMN TOTAL</b>		<b>635</b>	<b>28</b>	<b>13</b>	<b>41</b>	<b>1</b>	<b>51</b>	<b>69</b>	<b>19</b>	<b>113</b>	<b>340</b>				
		47.7	2.1	1.4	3.1	.5	2.8	5.2	1.4	8.5	26.2				

CHI-SQUARE      D.F.      SIGNIFICANCE      MIN E.F.      CELLS WITH E.F. < 5

23.00900      9      0.0050      0.089      5 (F 20 (25.0%))

		CAT					ROW TOTAL
COUNT	I						
		01	11	31	51	91	
1	1	924	184	36	29	20	1199
6	1	100	13	3	5	2	131
<b>COLUMN TOTAL</b>		<b>1032</b>	<b>197</b>	<b>39</b>	<b>34</b>	<b>28</b>	<b>1330</b>
		77.0	14.8	2.9	2.6	2.1	100.0

CHI-SQUARE      D.F.      SIGNIFICANCE      MIN E.F.      CELLS WITH E.F. < 5

4.12306      4      0.3896      2.758      3 (F 10 (30.0%))

		LAND									ROW TOTAL
COUNT	I										
		01	11	21	31	41	61	71	131		
0	1	90	633	112	120	56	84	19	55	1169	
1	1	9	71	15	9	2	14	8	5	137	
3	1	1	9	1	2	1	4	2	5	24	
<b>COLUMN TOTAL</b>		<b>100</b>	<b>713</b>	<b>128</b>	<b>131</b>	<b>59</b>	<b>102</b>	<b>29</b>	<b>69</b>	<b>1330</b>	
		7.5	33.0	9.0	9.6	4.4	7.7	2.2	5.2	100.0	

CHI-SQUARE      D.F.      SIGNIFICANCE      MIN E.F.      CELLS WITH E.F. < 5

39.45320      14      0.0003      0.523      8 (F 24 (33.3%))

		LANDSK							ROW TOTAL
COUNT	I								
		01	21	31	41	51	71	131	
1	1	1034	15	27	15	26	24	57	1199
6	1	82	5	4	4	9	11	16	131
<b>COLUMN TOTAL</b>		<b>1116</b>	<b>21</b>	<b>31</b>	<b>19</b>	<b>35</b>	<b>35</b>	<b>73</b>	<b>1330</b>
		33.9	1.0	2.3	1.4	2.6	2.0	5.5	100.0

CHI-SQUARE      D.F.      SIGNIFICANCE      MIN E.F.      CELLS WITH E.F. < 5

35.73607      6      0.0000      1.071      2 (F 14 (35.7%))

		INCOME					ROW TOTAL
COUNT		01	11	21	31	41	
TA	1	1085	119	0	1	8	1199
							96.2
0	1	101	23	0	1	2	131
							9.8
COLUMN TOTAL		1186	142	11	1	10	1330
		87.7	10.7	.3	.1	.8	100.0

CHI-SQUARE    D.F.    SIGNIFICANCE    MIN E.F.    CELLS WITH E.F. < 5

25.26936    4    0.0003    0.096    4 LF    10 ( 40.0%)

		INCOME					ROW TOTAL
COUNT		01	11	21	31	41	
EXERCISE	0	317	249	41	15	13	635
							47.7
4	1	10	16	2	1		28
							2.1
5	1	7	10	1	1		19
							1.4
6	1	17	20	3	1		41
							3.1
7	1	3	3	1			7
							.5
8	1	15	20	8	5	4	51
							3.6
9	1	33	20	12	2	2	69
							5.2
10	1	8	10	1			19
							1.4
12	1	44	43	20	4	2	113
							8.5
19	1	149	130	43	12	9	348
							26.2
COLUMN TOTAL		604	521	157	38	30	1230
		43.4	39.2	10.3	2.7	2.3	100.0

CHI-SQUARE    D.F.    SIGNIFICANCE    MIN E.F.    CELLS WITH E.F. < 5

55.61017    36    0.0195    0.158    23 CF    50 ( 46.0%)

		INCOME					ROW TOTAL
COUNT		01	11	21	31	41	
NB	0	1030	124	6	1	8	1169
							87.9
1	1	117	16	3		1	137
							10.3
3	1	19	2	2		1	24
							1.8
COLUMN TOTAL		1186	142	11	1	10	1330
		87.7	10.7	.3	.1	.8	100.0

CHI-SQUARE    D.F.    SIGNIFICANCE    MIN E.F.    CELLS WITH E.F. < 5

25.31121    8    0.0014    0.018    3 CF    15 ( 53.3%)

		SLEEP					RCW TOTAL
COUNT		01	11	21	31		
SLEEP	2	154	1	1	1	155	
						11.7	
3	1	397	12	2	2	413	
						31.1	
7	1	244	9	2	1	256	
						19.2	
8	1	490	10	3	1	506	
						38.3	
COLUMN TOTAL		1285	32	10	3	1330	
		96.6	2.7	.8	.2	100.0	

CHI-SQUARE	D.F.	SIGNIFICANCE	MIN E.F.	CELLS WITH E.F. < 5
10.15670	9	0.3379	0.350	9 CF 16 ( 56.3%)

		INCOMES					RCW TOTAL
COUNT		01	11	21	31	41	
SLEEP	2	140	13	1	1	2	155
							11.7
3	1	360	48	3	1	2	413
							31.1
7	1	228	22	5	1	1	256
							19.2
8	1	438	59	3	1	0	506
							38.0
COLUMN TOTAL		1166	142	11	1	10	1330
		67.7	10.7	.8	.1	.8	100.0

CHI-SQUARE	D.F.	SIGNIFICANCE	MIN E.F.	CELLS WITH E.F. < 5
16.84048	12	0.1557	0.117	12 CF 20 ( 60.0%)

		NB							RCW TOTAL
COUNT		01	11	21	31	41	61	111	
0	1	41	1080	37	8	1	2	1	1169
									87.9
1	1	1	120	12	2	2	1	1	137
									10.2
3	1	20	2	1	1	1	1	1	24
									1.8
COLUMN TOTAL		42	1220	51	11	3	2	1	1330
		3.2	91.7	3.8	.8	.2	.2	.1	100.0

CHI-SQUARE	D.F.	SIGNIFICANCE	MIN E.F.	CELLS WITH E.F. < 5
48.57684	12	0.0000	0.018	14 CF 21 ( 66.7%)

		DATE							RCW TOTAL
COUNT		01	11	21	31	41	61	111	
0	1	39	1150	48	10	3	2	1	1253
									94.2
4	1	1	24	1	1	1	1	1	26
									2.0
5	1	2	46	2	1	1	1	1	51
									3.8
COLUMN TOTAL		42	1220	51	11	3	2	1	1330
		3.2	91.7	3.8	.8	.2	.2	.1	100.0

CHI-SQUARE	D.F.	SIGNIFICANCE	MIN E.F.	CELLS WITH E.F. < 5
1.04583	12	0.9999	0.020	15 CF 21 ( 71.4%)

		INCOME B						
COUNT		01	11	21	31	41	RCW TOTAL	
EXPEN	1	365	102	2	1	7	576	
							73.4	
2	1	291	36	0	1	2	306	
							23.0	
3	1	23	3	1	1	1	27	
							2.0	
4	1	9	1	2	1	1	12	
							.9	
5	1	2	1	1	1	1	2	
							.2	
6	1	3	1	1	1	1	3	
							.2	
7	1	1	1	1	1	1	1	
							.1	
17	1	2	1	1	1	1	5	
							.2	
COLUMN TOTAL		1136	142	11	1	10	1330	
		37.7	10.7	.8	.1	.8	100.0	

CHI-SQUARE	D.F.	SIGNIFICANCE	MIN E.F.	CELLS WITH E.F. < 5
96.80282	28	0.0000	0.001	32 OF 40 ( 80.0%)

		BUSI						
COUNT		01	11	21	31	41	51	RCW TOTAL
REST	0	207	3	2	1	1	2	216
								16.2
1	1	292	1	1	2	1	1	266
								20.0
2	1	372	5	2	1	2	1	382
								28.7
4	1	256	1	2	1	1	1	260
								19.5
5	1	115	1	1	1	1	1	116
								8.7
6	1	90	1	1	1	1	1	90
								6.8
COLUMN TOTAL		1302	11	7	3	4	3	1330
		97.9	.3	.3	.2	.3	.2	100.0

CHI-SQUARE	D.F.	SIGNIFICANCE	MIN E.F.	CELLS WITH E.F. < 5
20.62896	25	0.7131	0.203	30 OF 36 ( 83.3%)

ตัวอย่างตารางการถักร 2 x 2 ซึ่งมีความร้อยละของขนาดความถี่คาดหวังน้อยกว่า 5 เท่ากับ

0 25 และ 50

NB	I		II		ROW TOTAL
	1	1	11	31	
1	65	45	110		
			76.4		
2	23	11	34		
			23.6		
COLUMN TOTAL	88	56	144		
	61.1	38.9	100.0		

CHI-SQUARE	D.F.	SIGNIFICANCE	MIN E.F.	CELLS WITH E.F. < 5
0.48053	1	0.4882	13.222	NONE
0.80006	1	0.3711	( BEFORE YATES CORRECTION )	

NB	I		II		ROW TOTAL
	1	1	11	21	
1	79	28	107		
			63.6		
2	28	21	49		
			31.4		
COLUMN TOTAL	107	49	156		
	63.6	31.4	100.0		

CHI-SQUARE	D.F.	SIGNIFICANCE	MIN E.F.	CELLS WITH E.F. < 5
3.60480	1	0.0576	15.591	NONE
4.34490	1	0.0371	( BEFORE YATES CORRECTION )	

DGG	I		II		ROW TOTAL
	1	1	11	31	
1	126	56	182		
			93.2		
3	56	29	85		
			51.8		
COLUMN TOTAL	182	85	267		
	93.2	51.8	100.0		

CHI-SQUARE	D.F.	SIGNIFICANCE	MIN E.F.	CELLS WITH E.F. < 5
0.16494	1	0.6846	27.080	NONE
0.29936	1	0.5843	( BEFORE YATES CORRECTION )	

NB	I		II		ROW TOTAL
	1	1	11	21	
1	251	20	271		
			179.2		
2	62	9	71		
			20.8		
COLUMN TOTAL	313	29	342		
	91.5	8.5	100.0		

CHI-SQUARE	D.F.	SIGNIFICANCE	MIN E.F.	CELLS WITH E.F. < 5
1.40815	1	0.2354	6.020	NONE
2.03331	1	0.1557	( BEFORE YATES CORRECTION )	

		CAT				
COUNT		1	2	3	4	RJA TOTAL
CAT	1	62	9	11	11	71
	2	1	1	1	1	63.4
	3	1	1	1	1	41
	4	1	1	1	1	35.6
	COLUMN TOTAL	92	20	11	11	112
	TOTAL	82.1	17.9	100.0		

CHI-SQUARE	D.F.	SIGNIFICANCE	MIN E.F.	CELLS WITH E.F. < 5
2.55007	1	0.1035	7.321	NONE
3.54918	1	0.0596	( BEFORE YATES CORRECTION )	

		HARRY				
COUNT		1	2	3	4	RJA TOTAL
CAT	1	399	24	16	16	423
	2	1	1	1	1	68.0
	3	1	1	1	1	199
	4	1	1	1	1	32.0
	COLUMN TOTAL	532	40	16	16	622
	TOTAL	93.6	6.4	100.0		

CHI-SQUARE	D.F.	SIGNIFICANCE	MIN E.F.	CELLS WITH E.F. < 5
0.39691	1	0.5236	12.797	NONE
1.25943	1	0.2617	( BEFORE YATES CORRECTION )	

		HARRY				
COUNT		1	2	3	4	RJA TOTAL
DJS	1	506	52	21	21	599
	2	1	1	1	1	57.3
	3	1	1	1	1	262
	4	1	1	1	1	32.8
	COLUMN TOTAL	747	53	21	21	800
	TOTAL	93.4	6.6	100.0		

CHI-SQUARE	D.F.	SIGNIFICANCE	MIN E.F.	CELLS WITH E.F. < 5
0.93005	1	0.3312	17.357	NONE
1.21727	1	0.2699	( BEFORE YATES CORRECTION )	



		CAR			
COUNT		I	01	11	RJW TOTAL
RENT	1	1355	222		1277
					96.0
2		42	11		53
					7.0
COLUMN TOTAL		1397	233		1330
		92.5	17.5		100.0

CHI-SQUARE	D.F.	SIGNIFICANCE	MIN E.F.	CELLS WITH E.F.< 5
0.20077	1	0.6541	9.295	NONE
0.40001	1	0.5271	( BEFORE YATES CORRECTION )	

		TELEPHO			
COUNT		I	11	21	RJW TOTAL
INCOMES	1	357	15		372
					11.3
2		2351	83		2934
					33.7
COLUMN TOTAL		3208	98		3306
		97.0	3.0		100.0

CHI-SQUARE	D.F.	SIGNIFICANCE	MIN E.F.	CELLS WITH E.F.< 5
1.26999	1	0.2598	11.027	NONE
1.56201	1	0.1973	( BEFORE YATES CORRECTION )	

		ELECTRIC			
COUNT		I	11	21	RJW TOTAL
INCOMES	1	339	33		372
					11.3
2		2579	355		2934
					83.7
COLUMN TOTAL		2918	388		3306
		88.3	11.7		100.0

CHI-SQUARE	D.F.	SIGNIFICANCE	MIN E.F.	CELLS WITH E.F.< 5
3.01758	1	0.0824	43.659	NONE
3.32206	1	0.0684	( BEFORE YATES CORRECTION )	

		INCOME				
COUNT		I				RJA
		I				TOTAL
TA		I	11			41
	1	I	1194	1	5	1199
		I				90.2
	2	I	130	1	1	131
		I				9.3
	COLUMN		1324	6		1330
TOTAL		99.5	.5		100.0	

CHI-SQUARE	D.F.	SIGNIFICANCE	MIN E.F.	CELLS WITH E.F. < 5
0.0	1	1.0000	0.591	1 OF 4 ( 25.0%)
0.31574	1	0.5774	( BEFORE YATES CORRECTION )	

		CAR				
COUNT		I				RJA
		I				TOTAL
LANDCT		I	01			11
	0	I	1377	1	227	1304
		I				98.0
	1	I	20	1	6	26
		I				2.0
	COLUMN		1397	233		1330
TOTAL		82.5	17.5		100.0	

CHI-SQUARE	D.F.	SIGNIFICANCE	MIN E.F.	CELLS WITH E.F. < 5
0.24250	1	0.6224	4.555	1 OF 4 ( 25.0%)
0.56695	1	0.4515	( BEFORE YATES CORRECTION )	

		EMPLOY				
COUNT		I				RJA
		I				TOTAL
TA		I	01			11
	1	I	1193	1	6	1199
		I				90.2
	2	I	130	1	1	131
		I				9.3
	COLUMN		1323	7		1330
TOTAL		99.5	.5		100.0	

CHI-SQUARE	D.F.	SIGNIFICANCE	MIN E.F.	CELLS WITH E.F. < 5
0.0	1	1.0000	0.539	1 OF 4 ( 25.0%)
0.15596	1	0.6929	( BEFORE YATES CORRECTION )	



TC

COUNT	EMPLOY		ROW TOTAL
	I	II	
1	1295	7	1302
2	23	1	23
<b>COLUMN TOTAL</b>	<b>1323</b>	<b>7</b>	<b>1330</b>
	99.5	.5	100.0

CHI-SQUARE	D.F.	SIGNIFICANCE	MIN E.F.	CELLS WITH E.F.< 5
0.0	1	1.0000	0.147	1 OF 4 ( 25.0%)
0.15133	1	0.6973	( BEFORE YATES CORRECTION )	

MARRY

COUNT	EMPLOY		ROW TOTAL
	I	II	
0	191	1	191
1	1132	7	1139
<b>COLUMN TOTAL</b>	<b>1323</b>	<b>7</b>	<b>1330</b>
	99.5	.5	100.0

CHI-SQUARE	D.F.	SIGNIFICANCE	MIN E.F.	CELLS WITH E.F.< 5
0.29811	1	0.5851	1.005	1 OF 4 ( 25.0%)
1.13005	1	0.2773	( BEFORE YATES CORRECTION )	

TS

COUNT	INCOME		ROW TOTAL
	I	II	
1	1214	5	1219
2	110	1	111
<b>COLUMN TOTAL</b>	<b>1324</b>	<b>6</b>	<b>1330</b>
	99.5	.5	100.0

CHI-SQUARE	D.F.	SIGNIFICANCE	MIN E.F.	CELLS WITH E.F.< 5
0.0	1	1.0000	0.501	1 OF 4 ( 25.0%)
0.54553	1	0.4601	( BEFORE YATES CORRECTION )	

		DATE			
TO	COUNT	1	11	41	RJM TOTAL
	1	1245	63		1309
	2	20	1		21
	COLUMN TOTAL	1266	64		1330
		99.2	4.8		100.0

CHI-SQUARE	D.F.	SIGNIFICANCE	MIN E.F.	CELLS WITH E.F. < 5
0.0	1	0.9914	1.011	1 OF 4 ( 25.0%)
0.00012			( BEFORE YATES CORRECTION )	

		TC			
NUMNO	COUNT	11	21		RJM TOTAL
	1	1172	23		1195
	4	130	5		135
	COLUMN TOTAL	1302	28		1330
		97.9	2.1		100.0

CHI-SQUARE	D.F.	SIGNIFICANCE	MIN E.F.	CELLS WITH E.F. < 5
1.09951	1	0.2944	2.842	1 OF 4 ( 25.0%)
1.86271		0.1723	( BEFORE YATES CORRECTION )	

		LAADCT			
TIME	COUNT	01	11		RJM TOTAL
	1	1230	24		1254
	2	43	12		55
	COLUMN TOTAL	1273	36		1309
		98.0	2.0		100.0

CHI-SQUARE	D.F.	SIGNIFICANCE	MIN E.F.	CELLS WITH E.F. < 5
0.29037	1	0.5854	0.177	1 OF 4 ( 25.0%)
1.15570		0.2870	( BEFORE YATES CORRECTION )	

	COUNT	LANDCT		ROW TOTAL
		01	11	
MARRY	0	188	3	191
	1	1116	23	1139
COLUMN TOTAL		1304	26	1330
		98.0	2.0	100.0

CHI-SQUARE	D.F.	SIGNIFICANCE	MIN E.F.	CELLS WITH E.F. < 5
0.01744	1	0.8949	3.734	1 OF 4 (25.0%)
0.17177	1	0.6785	( BEFORE YATES CORRECTION )	

	COUNT	LANDCT		ROW TOTAL
		01	11	
DATE	1	1242	24	1266
	4	62	2	64
COLUMN TOTAL		1304	26	1330
		98.0	2.0	100.0

CHI-SQUARE	D.F.	SIGNIFICANCE	MIN E.F.	CELLS WITH E.F. < 5
0.05304	1	0.8178	1.251	1 OF 4 (25.0%)
0.46029	1	0.4883	( BEFORE YATES CORRECTION )	

	COUNT	EMPLOY		ROW TOTAL
		01	11	
FB	1	1214	5	1219
	2	109	2	111
COLUMN TOTAL		1323	7	1330
		99.5	.5	100.0

CHI-SQUARE	D.F.	SIGNIFICANCE	MIN E.F.	CELLS WITH E.F. < 5
1.57457	1	0.2095	0.584	1 OF 4 (25.0%)
3.76329	1	0.0524	( BEFORE YATES CORRECTION )	

TC	COUNT	FO			R/W TOTAL
		1	11	21	
1	1	1284	1	18	1302
			1	1	97.9
2	1	25	1	3	29
			1	1	2.1
COLUMN TOTAL		1309	21	1330	
		98.4	1.6	100.0	

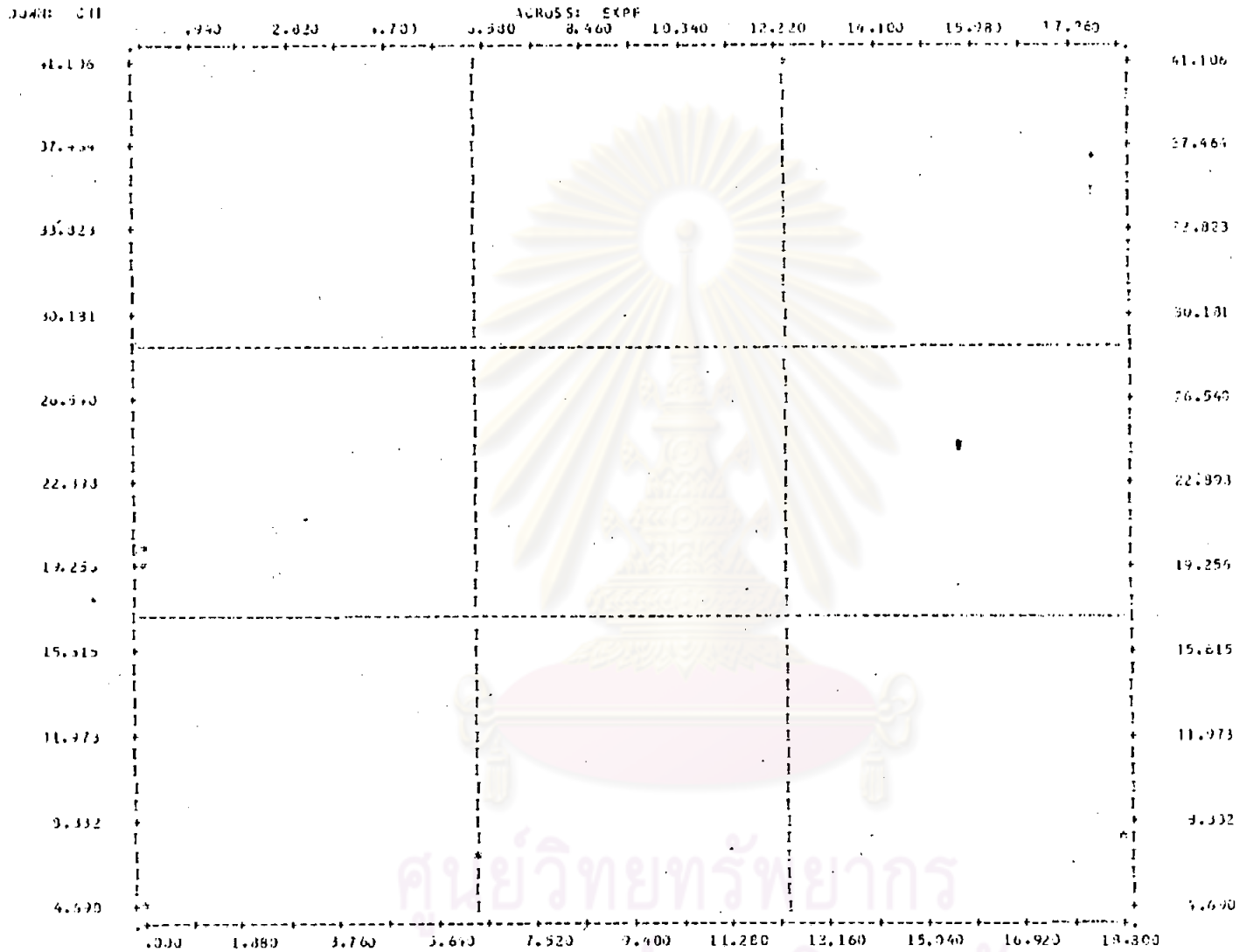
CHI-SQUARE	D.F.	SIGNIFICANCE	MIN E.F.	CELLS WITH E.F. < 5
9.94199	1	0.0016	0.442	1 CF 4 (25.0%)
15.3600+	1	0.0001	( BEFORE YATES CORRECTION )	

TC	COUNT	EMPLOY			R/W TOTAL
		1	21	21	
1	1	1	1	1	1
			1	1	50.0
3	1	1	1	1	1
			1	1	50.0
COLUMN TOTAL		1	1	2	
		50.0	50.0	100.0	

STATISTIC	ONE TAIL	TWO TAIL
FISHER'S EXACT TEST	0.50000	1.00000
NUMBER OF MISSING OBSERVATIONS = 3304		

LANDCT	COUNT	CAR			R/W TOTAL
		1	11	21	
0	1	555	1	2555	3232
			1	1	98.1
1	1	15	1	45	61
			1	1	1.7
COLUMN TOTAL		581	2712	3293	
		17.5	82.4	100.0	

CHI-SQUARE	D.F.	SIGNIFICANCE	MIN E.F.	CELLS WITH E.F. < 5
1.50570	1	0.2051	10.753	NONE
2.06006	1	0.1508	( BEFORE YATES CORRECTION )	

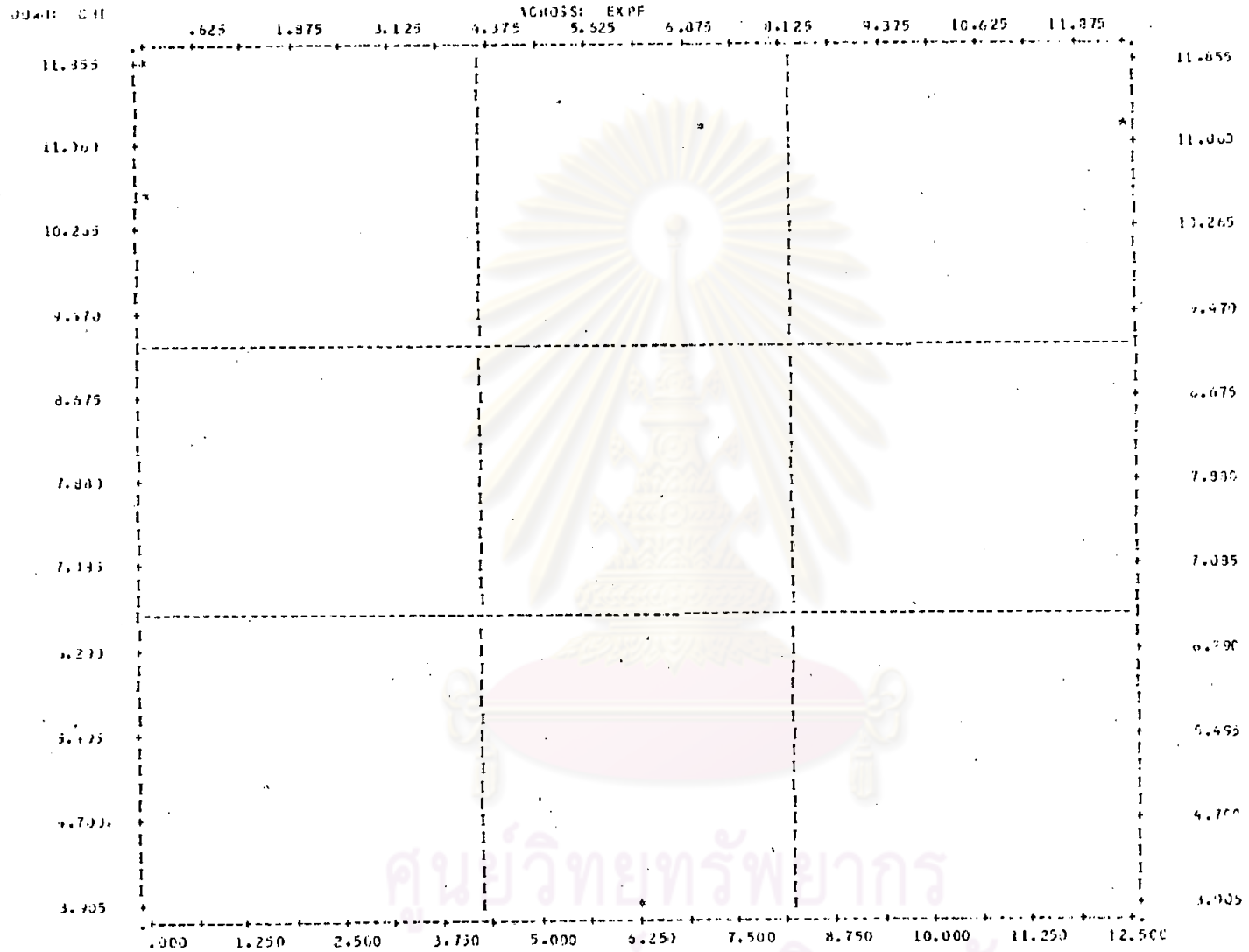


ศูนย์วิทยทรัพยากร  
จุฬาลงกรณ์มหาวิทยาลัย

20 MAY 36 CHI-CHI  
2013:00 NJAPOJER-TA

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STATISTICS..					
CORRELATION (R) -	.14901	R SQUARED -	.02220	SIGNIFICANCE -	.77014
STD ER (F) EST -	15.12962	INTERCEPT (A) -	14.96330	SLOPE (B) -	.25742
PLOTTED VALUES -	6	EXCLUDED VALUES -	0	MISSING VALUES -	0



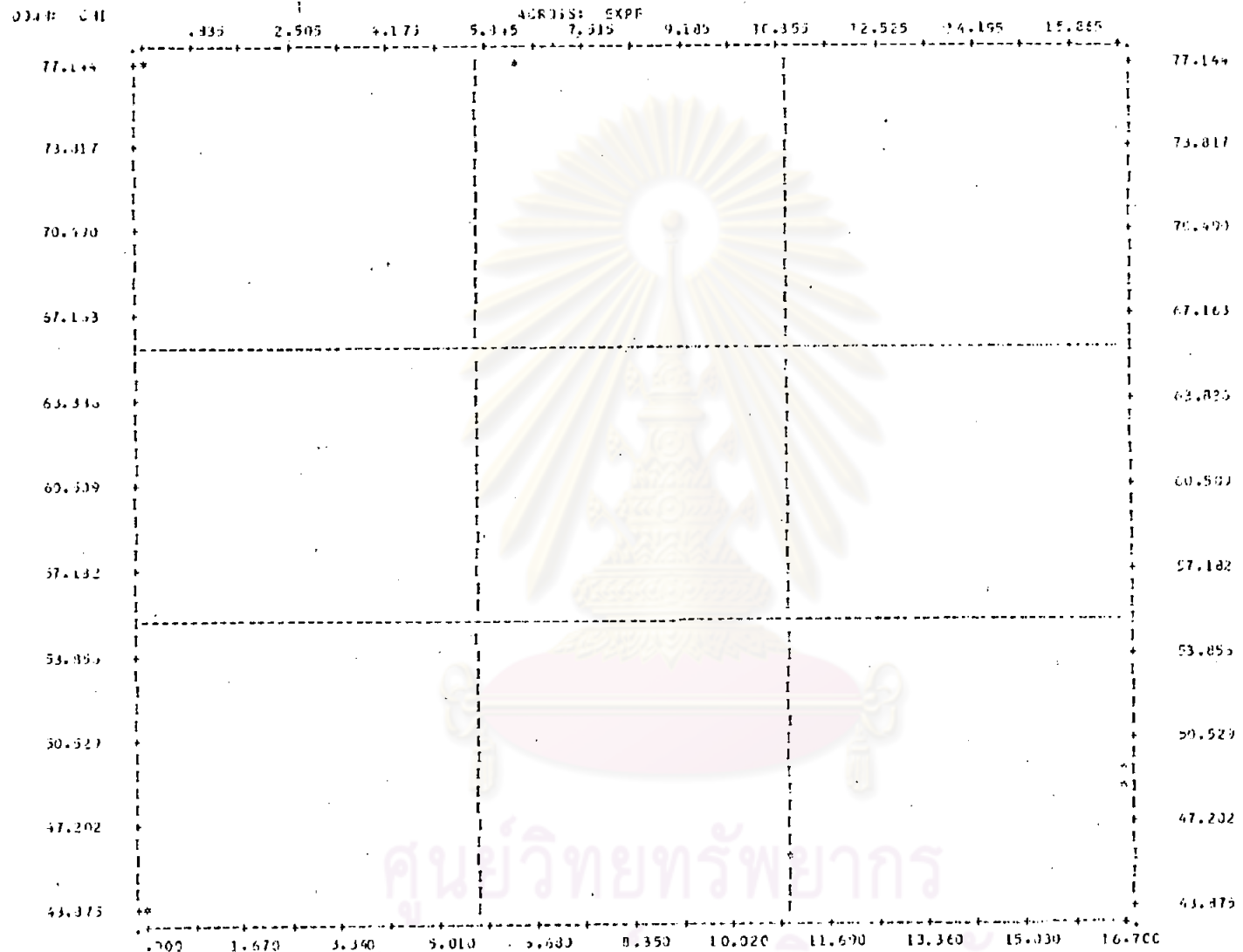
ศูนย์วิทยทรัพยากร  
จุฬาลงกรณ์มหาวิทยาลัย

20:44:05 CH-CH1  
20:33:57 ADIPAPER-114E

page 76

STATISTICS..  
 CORRELATION (R) - .91326  
 STD ERR OF EST - 10.11520  
 PLANTED VALUES - 5  
 R SQUARED - .91326  
 INTERCEPT (A) - 10.11520  
 EXCLUDED VALUES - 0  
 SIGNIFICANCE - .95168  
 SLOPE (B) - -.07168  
 MISSING VALUES - 0





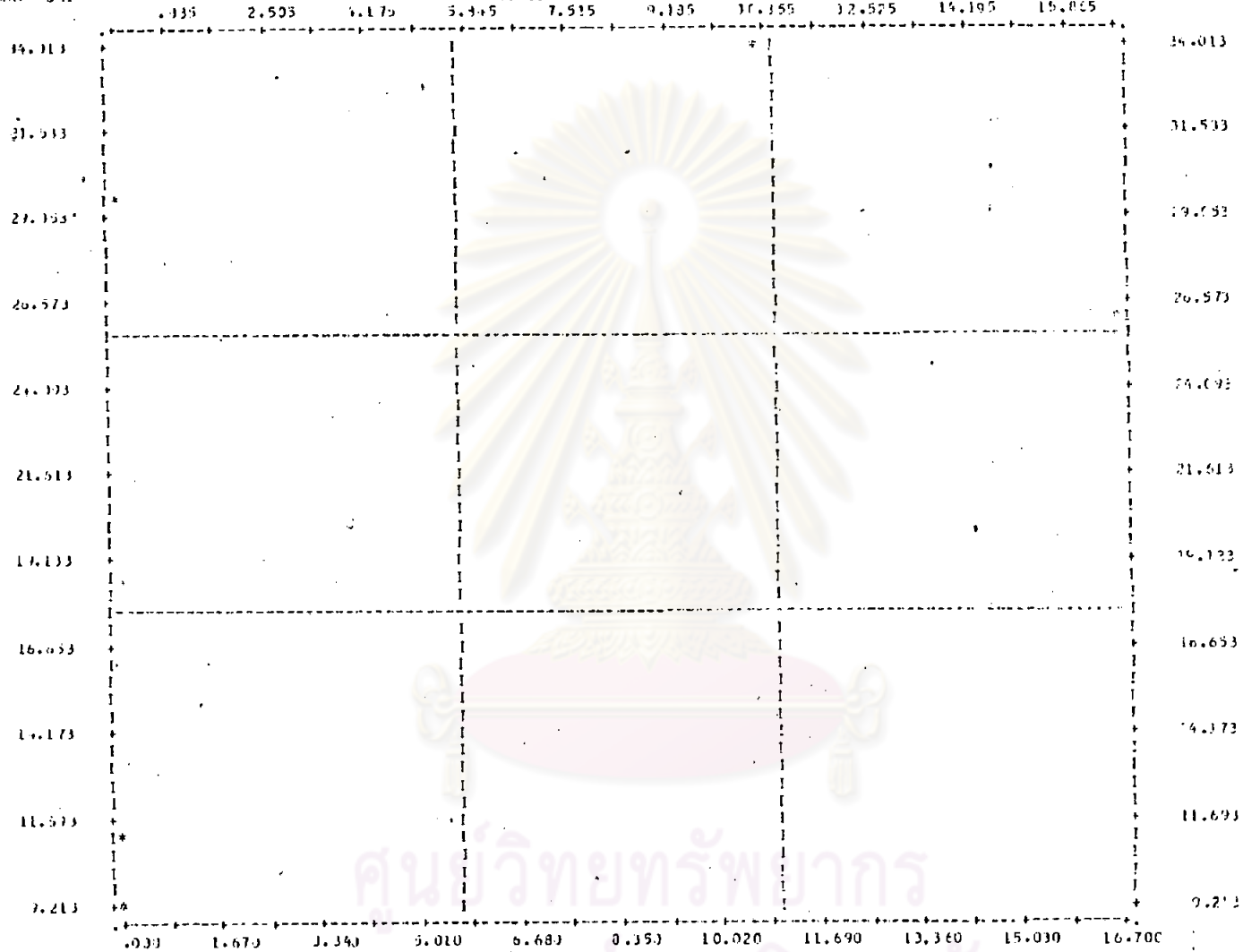
20 MAY 86 CHI-CHI  
20:34:31 TA-LAND

PAGE 36

STATISTICS..					
CORRELATION (R)-	-.44120	R SQUARED	-.19475	SIGNIFICANCE	-.33102
STD ERR OF EST -	15.73453	INTERCEPT (A) -	64.67100	SLOPE (B)	-.92707
PLOTTED VALUES -	0	EXCLUDED VALUES-	0	MISSING VALUES -	0

DATA: CH

ACROSS: EXPF



ศูนย์วิทยพัชกร  
จุฬาลงกรณ์มหาวิทยาลัย

20 MAY 80 CH-4C.H  
20:35:52 DAY-FUJ0

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STATISTICS..

CORRELATION (R) -  
STD. ERR. OF EST -  
PLOTTED VALUES -

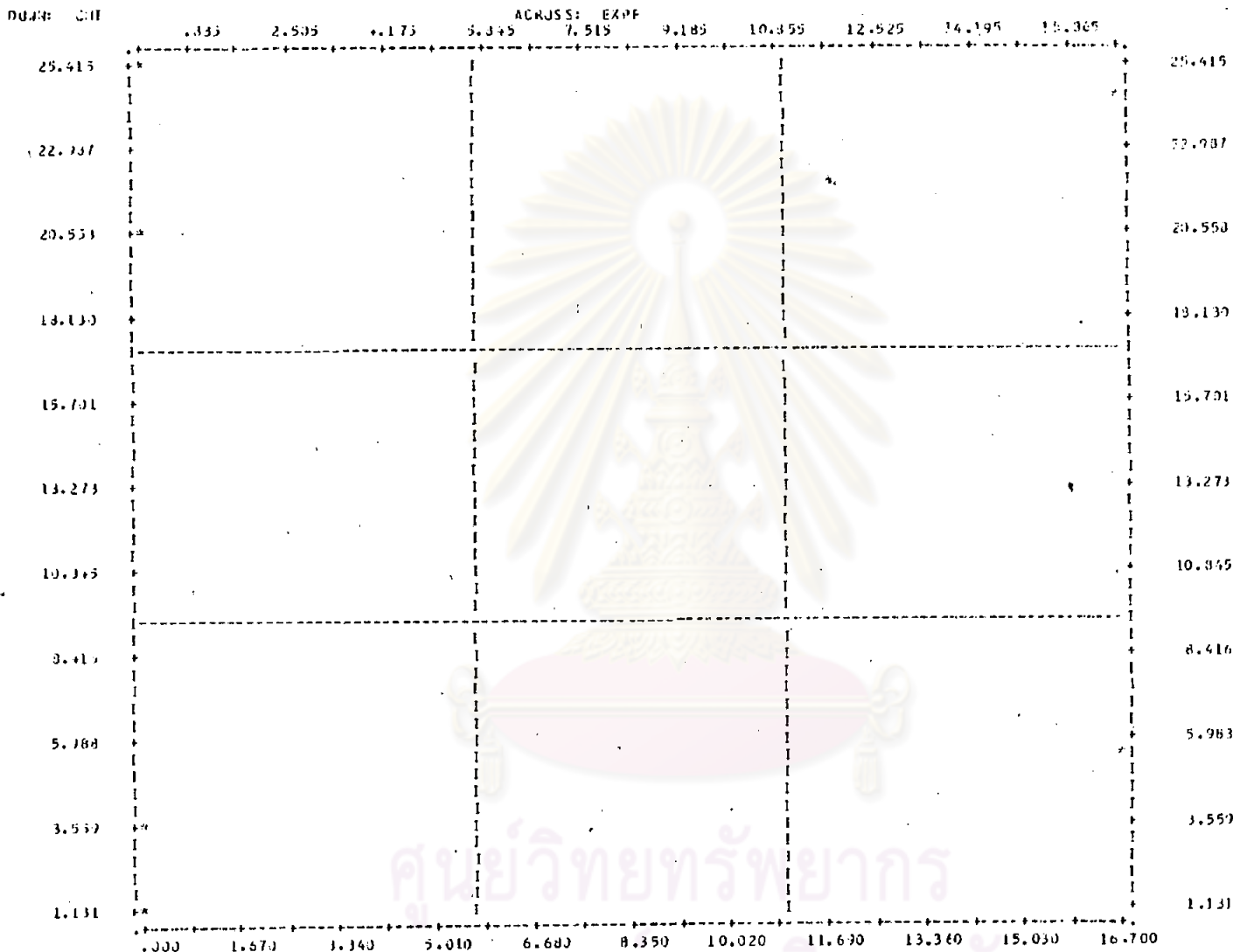
.56796  
13.57134  
5

R SQUARED -  
INTERCEPT (A) -  
EXCLUDED VALUES-

.32258  
17.50769  
0

SIGNIFICANCE -  
SLOPE (B) -  
MISSING VALUES -

.31787  
.01022  
0



20 MAY 05 CHI-SQHI  
23:06:39 T3-DAT

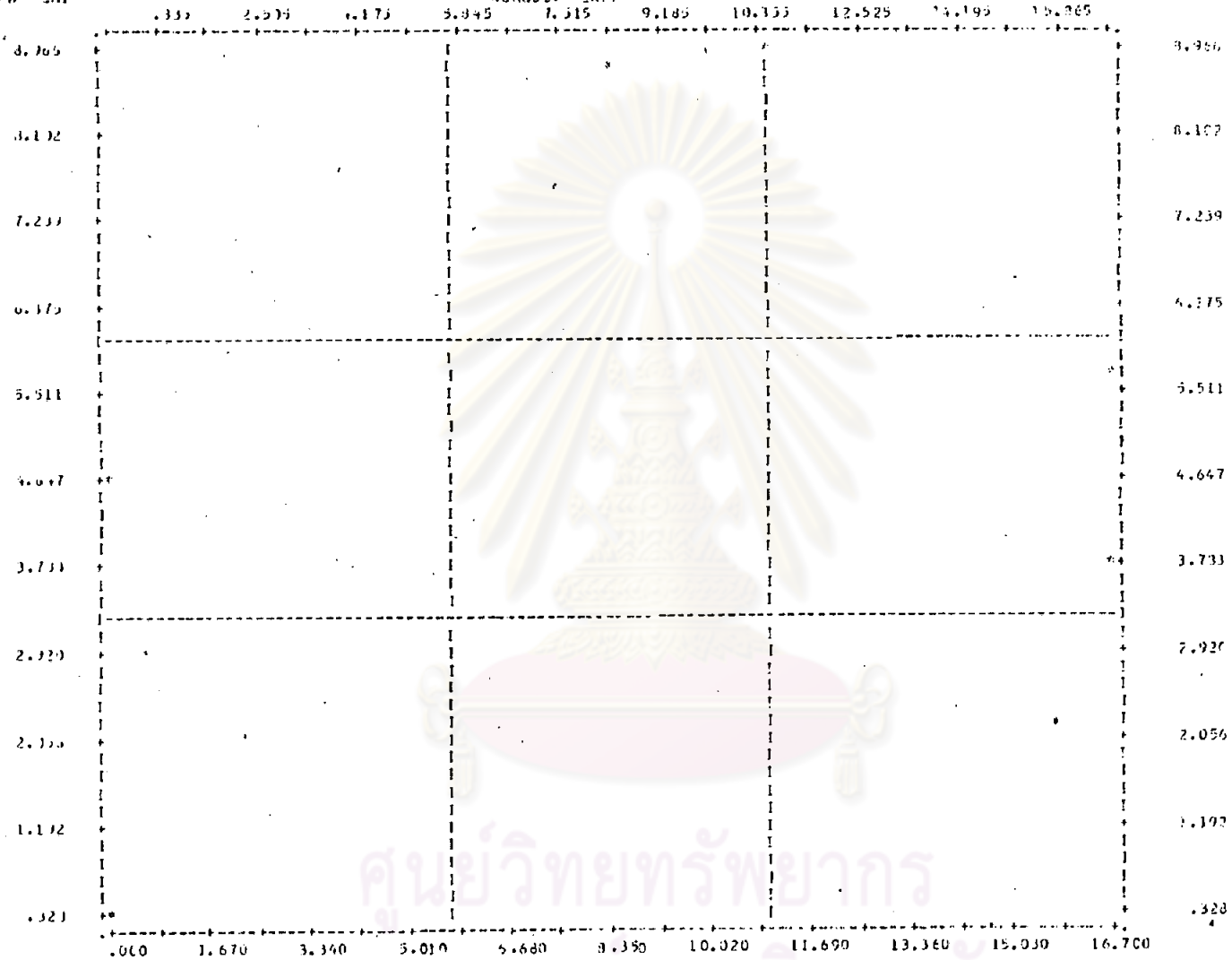
PAGE 00

STATISTICS..					
CORRELATION (R)	.10925	R SQUARED	-.01173	SIGNIFICANCE	-.83675
STD ERR OF EST	12.51051	INTERCEPT (A)	12.63920	SLOPE (B)	-.14264
PLOTTED VALUES	0	EXCLUDED VALUES	0	MISSING VALUES	0

ศูนย์วิทยทรัพยากร  
จุฬาลงกรณ์มหาวิทยาลัย

DATA: CHI

ACROSS: EXP



ศูนย์วิทยทรัพยากร  
จุฬาลงกรณ์มหาวิทยาลัย

20:44:36 CHI-SCHI  
20:36:53 TO-LAID

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STATISTICS..

CORRELATION TRI-  
STANDARD OF EST -  
PLOTTED VALUES -

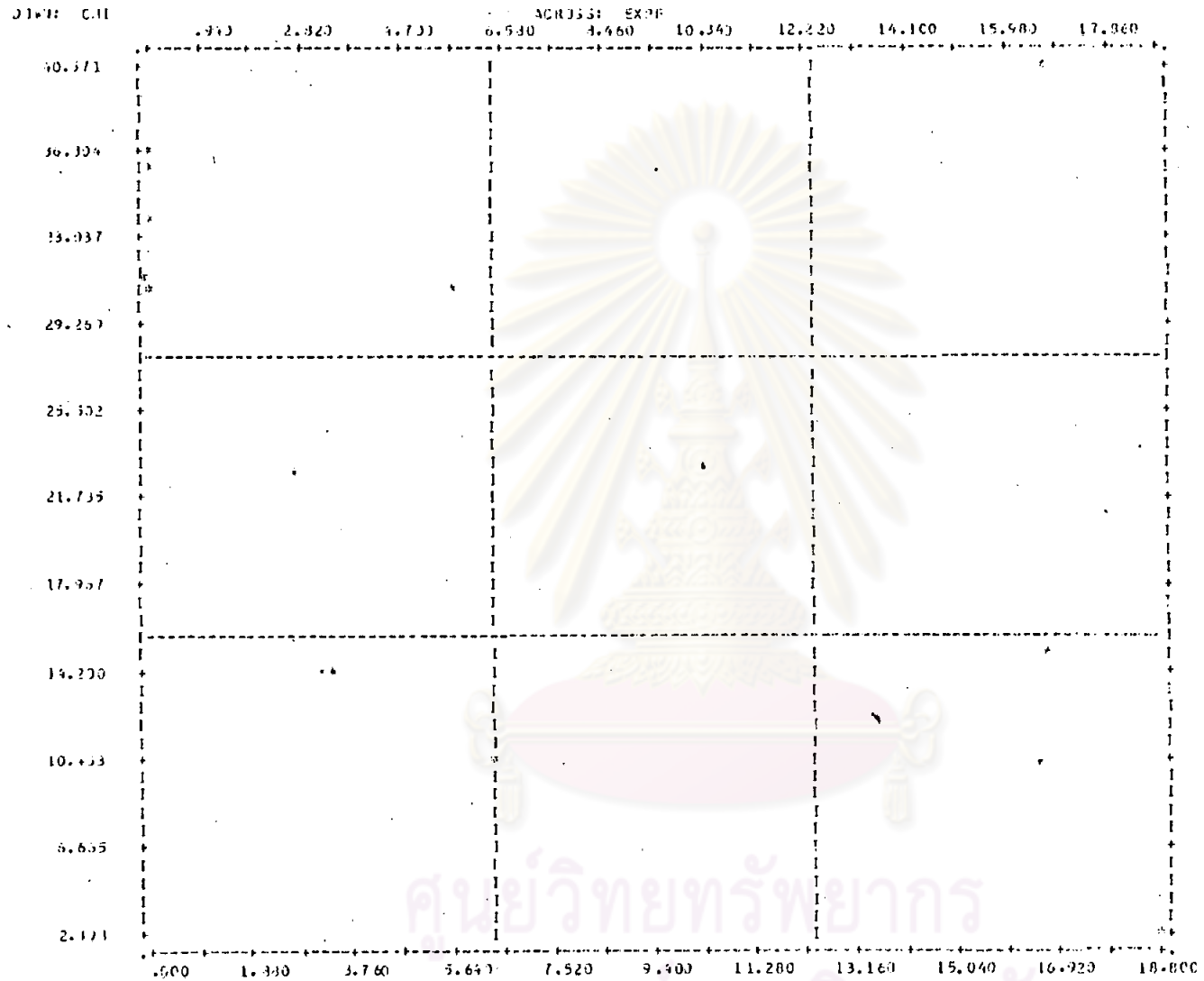
.37471  
3.33599  
6

ADJUSTED -  
INTERCEPT (A) -  
EXCLUDED VALUES -

.14040  
3.92259  
0

SIGNIFICANCE -  
SLOPE (B) -  
MISSING VALUES -

.65625  
.16201  
0



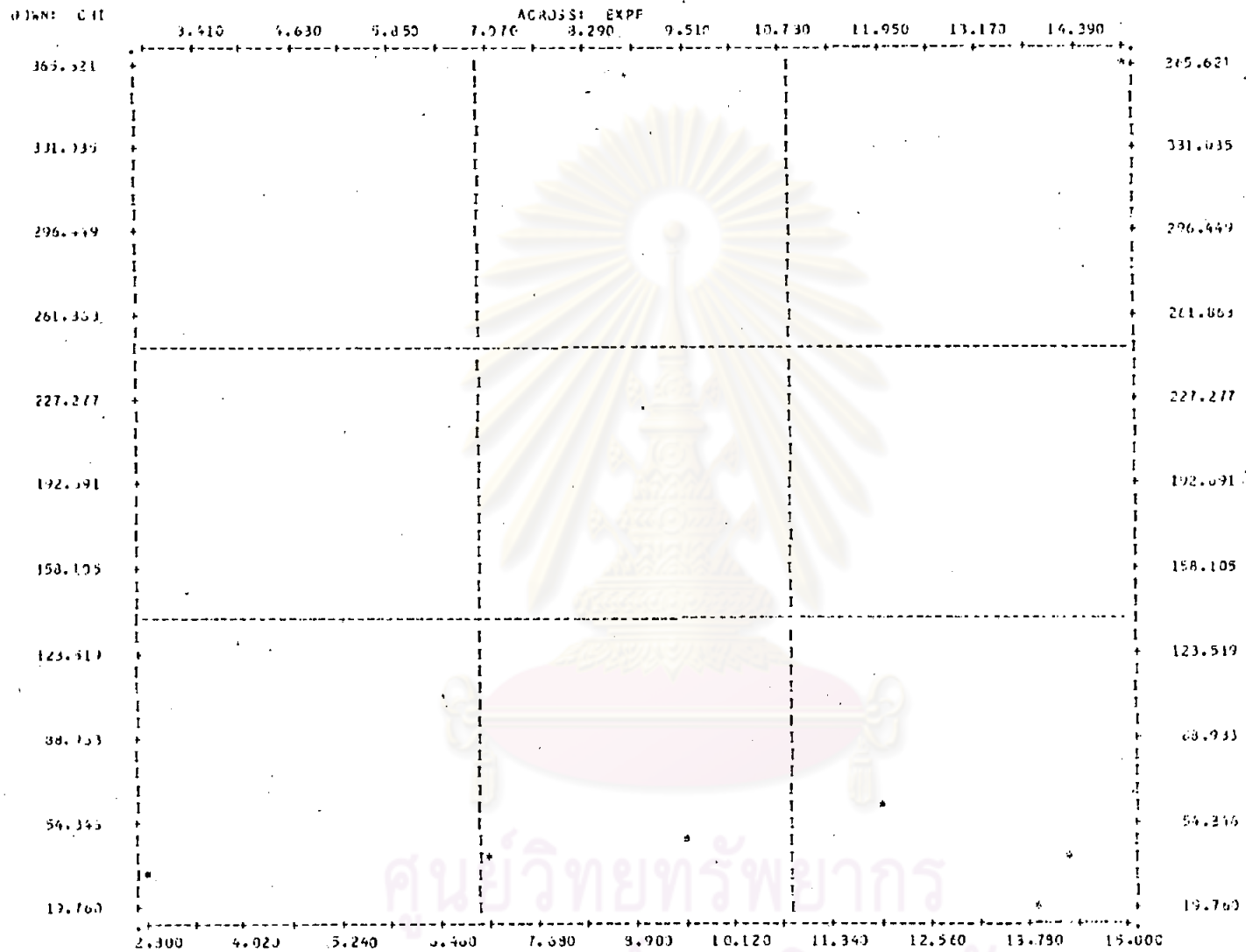
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20 447 30 CHI-8CHI  
20 337 21 07-E25

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STATISTICS..  
 CORRELATION (R) - .45814  
 STD ERR OF EST - 12.39070  
 PLOTTED VALUES - 10  
 R ADJUSTED -  
 INTERCEPT (A) - .20990  
 EXCLUDED VALUES - 0  
 SIGNIFICANCE - .13301  
 SLOPE (B) - .77027  
 MISSING VALUES - 0

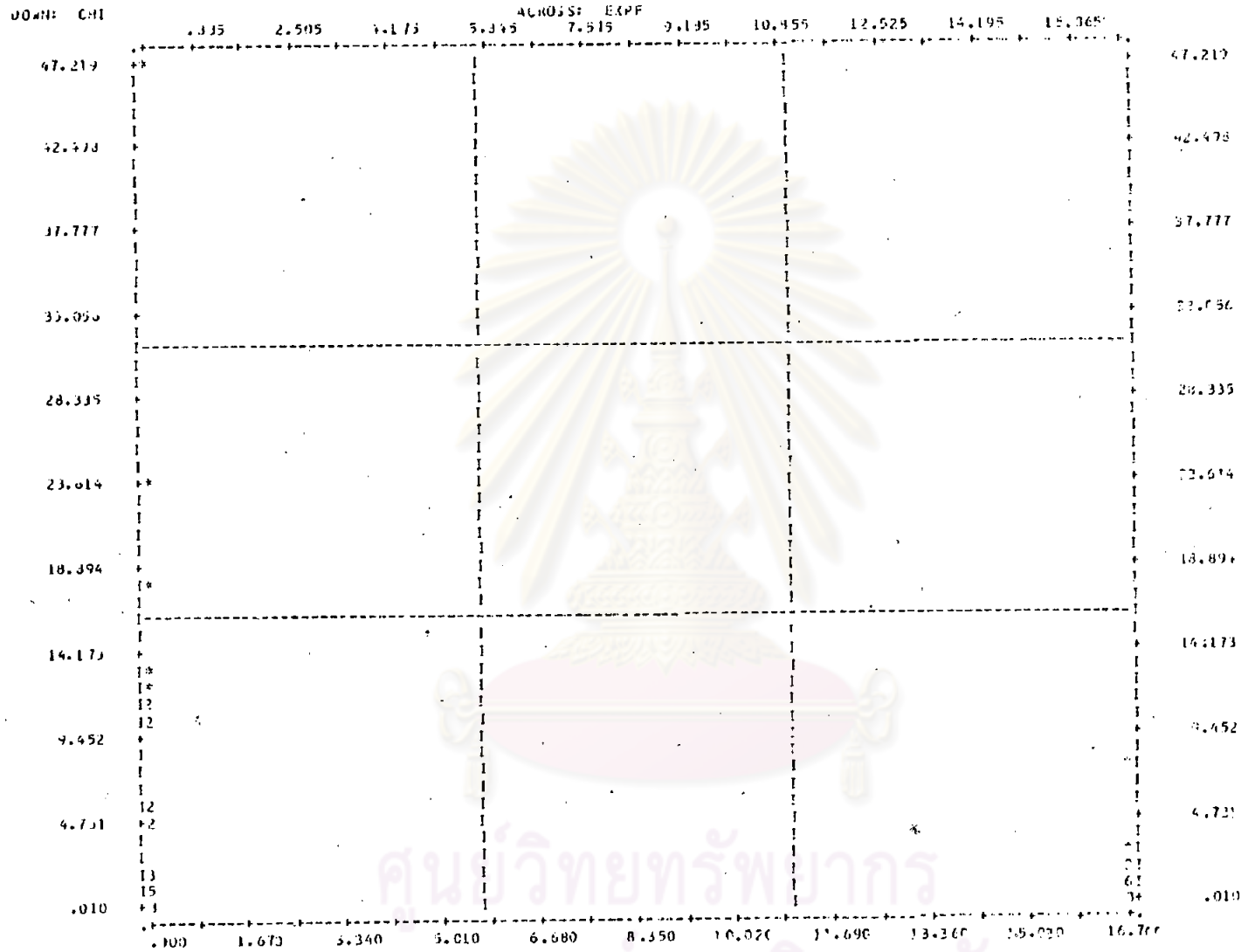


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20:44Y 86 CHI-EGHI  
20:37:33 025-EJ0

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STATISTICS..		R SQUARED	-	.18566	SIGNIFICANCE	-	.33006
CORRELATION (R)	.43204	INTERCEPT (A)	-	-41.92348	SLOPE (B)	-	11.96747
STD ERR OF EST	122.34275	EXCLUDED VALUES	-	0	MISSING VALUES	-	0
PLotted VALUES	7						



20 MAY 86 CHI-8CHI  
 20:40:12 02-E2

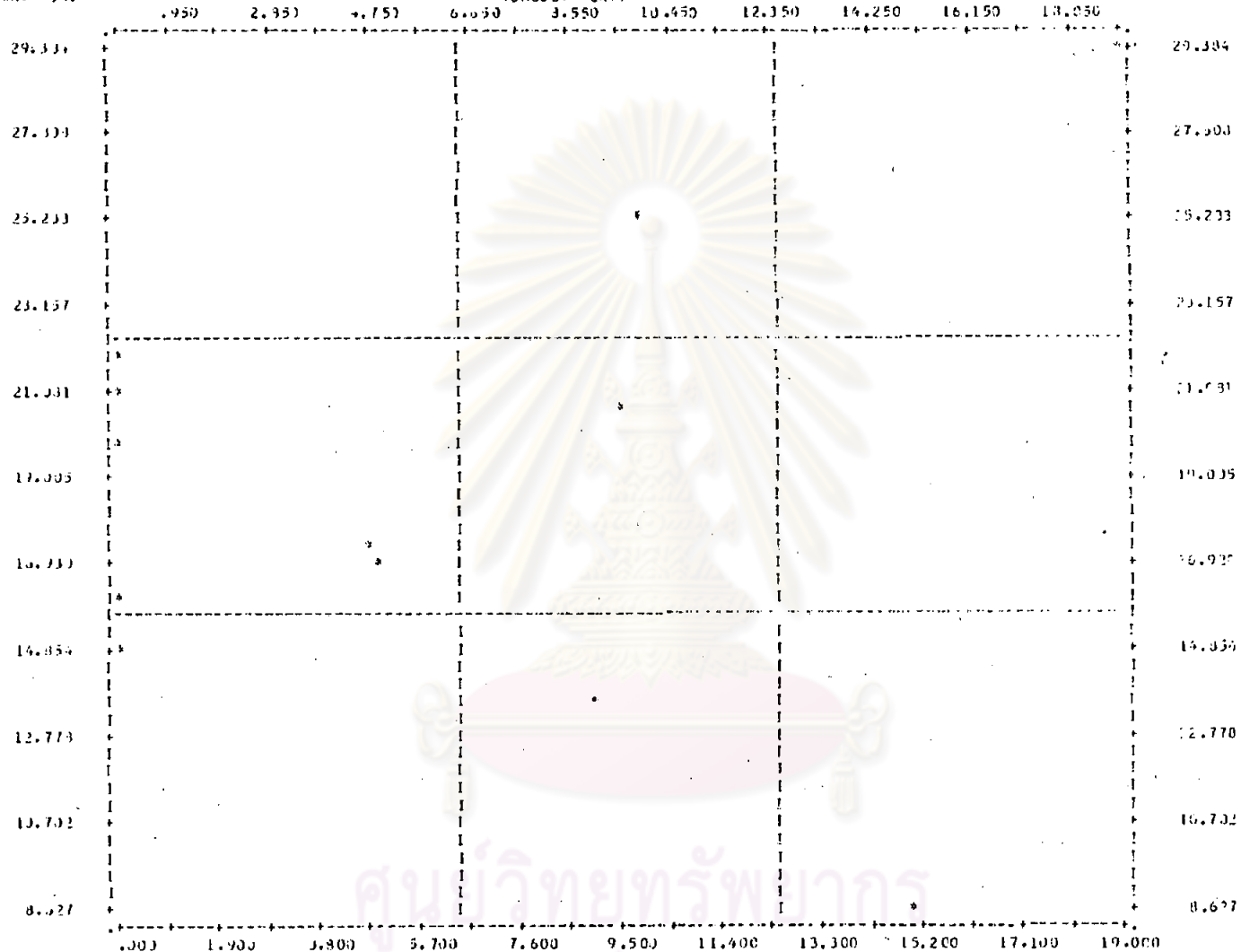
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STATISTICS..  
 CORRELATION (R) - .9315\*  
 STD ERK OF EST - 8.57894  
 PLOTTED VALUES - 37  
 R SQUARED - .8677  
 INTERCEPT (A) - 7.68574  
 EXCLUDED VALUES - 0  
 SIGNIFICANCE - .00356  
 SLOPE (B) - .33121  
 MISSING VALUES - 0

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DATE: 011

CROSS: EXPF



20 MAY 85 CHI-SHI  
23:40:05 012-E12

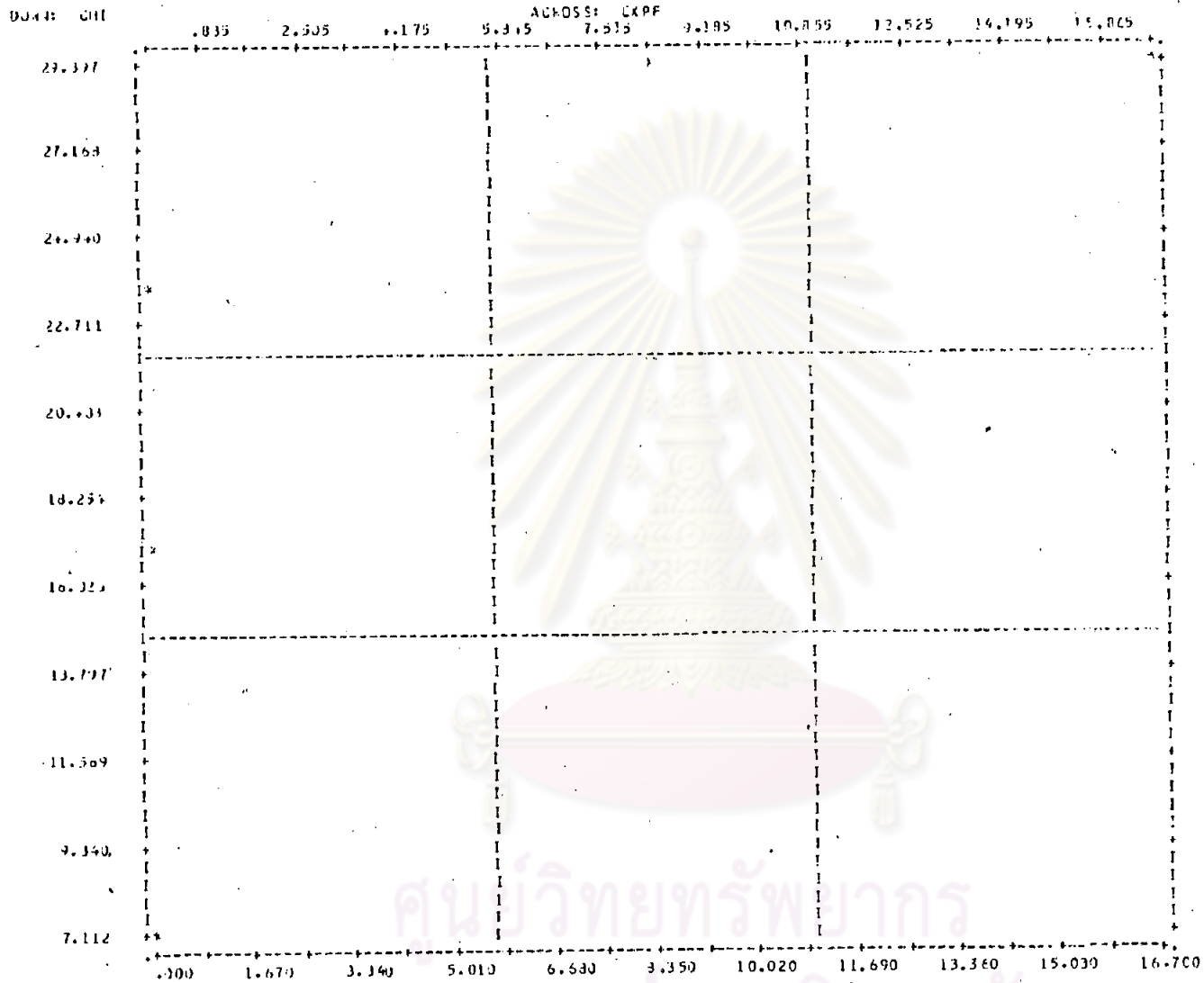
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STATISTICS..

CORRELATION (R)-	.15789	R SQUARED	-	.02493	SIGNIFICANCE	-	.85305
STD ERR OF EST -	9.60583	INTERCEPT (A) -		18.67324	SLOPE (B)	-	.12255
PLIMITED VALUES -	LO	EXCLUDED VALUES-		0	MISSING VALUES -		0

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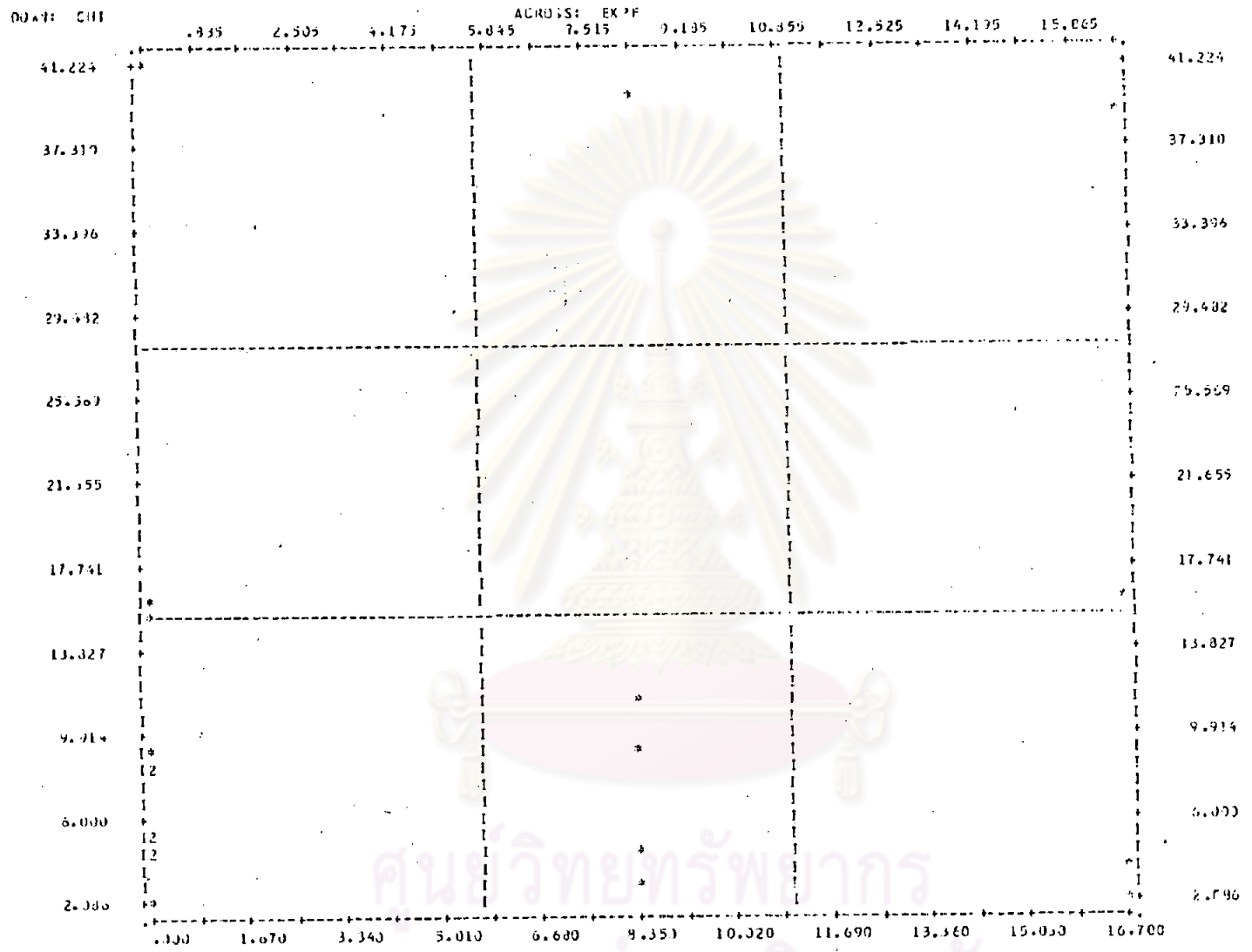


23 MAY 88 GHI-4GHI  
23:57:41 019-EL5

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STATISTICS..							
CORRELATION (R)-	.71094	R SQUARED	-	.51637	SIGNIFICANCE	-	.17123
STD ERR OF EST -	7.55925	INTERCEPT (A) -		16.72932	SLOPE (B)	-	.00352
PLOTTED VALUES -	5	EXCLUDED VALUES-		0	MISSING VALUES -		0

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20 MAY 86 CHI-CHI  
20:09:24 05-E5

STATISTICS..					
CORRELATION (R) -	.15018	R SQUARED -	.02255	SIGNIFICANCE -	.72740
STD ERR OF EST -	12.90513	INTERCEPT (A) -	10.92169	SLP (B) -	.28140
PLOTTED VALUES -	20	EXCLUDED VALUES -	0	MISSING VALUES -	0

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## ประวัติผู้เขียน

นางสาว วันทิพย์ เตยอยู่ไชย เกิดที่จังหวัดกรุงเทพมหานคร ได้รับปริญญาการศึกษา  
ศาสตร์บัณฑิต (คณิตศาสตร์) จากมหาวิทยาลัยศรีนครินทรวิโรฒ (ปทุมวัน) เมื่อปีการศึกษา 2523  
และเข้าศึกษาต่อในสาขาวิชาสถิติภาควิชาสถิติ บัณฑิตวิทยาลัย จุฬาลงกรณ์มหาวิทยาลัย ปีการ  
ศึกษา 2524



ศูนย์วิทยทรัพยากร  
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