ANNEX IV

Resultats de l’anàlisi quantitativa

• CELL LOADING • 22/4/0•13:54 ••
• Cell file: variable A.Cel
• 22/4/00•12:47
• Token file: variable A
• Conditions: variable A.Cnd
Number of cells: 24
Application value(s): 1
Total no. of factors: 9

Group		Apps	Non-apps	Total	%	
1 (2)						
a	N	613	6	619	68	
	%	99	1			
b	N	273	24	297	32	
	%	92	8			
Total	N	886	30	916		
	%	97	3			
2 (3)						
m	N	749	13	762	83	
	%	98	2			
g	N	76	16	92	10	
	%	83	17			
j	N	61	1	62	7	
	%	98	2			
Total	N	886	30	916		
	%	97	3			
3 (4)						
y	N	329	0	329	36	
	%	100	0			* KnockOut *
x	N	557	30	587	64	
	%	95	5			
Total	N	886	30	916		
	%	97	3			
4 (5)						
s	N	688	23	711	78	
	%	97	3			
p	N	198	7	205	22	
	%	97	3			
Total	N	886	30	916		
	%	97	3			

```
---------------------------------
 TOTAL N     886      30      916
       %      97       3
```

• CROSS TABULATION • 22/4/00•13:54 ••••••••••••••••••••••••••••••••
• Cell file: variable A.Cel
• 22/4/00•12:47
• Token file: variable A
• Conditions: variable A.Cnd

Group #1 -- horizontally.
Group #2 -- vertically.

	a	%	b	%	Σ	%
m 1:	535	99:	214	96	749	98
-:	3	1:	10	4	13	2
Σ:	538	:	224		762	
g 1:	32	91:	44	77	76	83
-:	3	9:	13	23	16	17
Σ:	35	:	57		92	
j 1:	46	100:	15	94	61	98
-:	0	0:	1	6	1	2
Σ:	46	:	16		62	
Σ 1:	613	99:	273	92	886	97
-:	6	1:	24	8	30	3
Σ:	619	:	297		916	

• CROSS TABULATION • 22/4/00•13:54 ••••••••••••••••••••••••••••••••
• Cell file: variable A.Cel
• 22/4/00•12:47
• Token file: variable A
• Conditions: variable A.Cnd

Group #1 -- horizontally.
Group #3 -- vertically.

	a	%	b	%	Σ	%
y 1:	217	100:	112	100	329	100
-:	0	0:	0	0	0	0
Σ:	217	:	112		329	
x 1:	396	99:	161	87	557	95
-:	6	1:	24	13	30	5
Σ:	402	:	185		587	
Σ 1:	613	99:	273	92	886	97
-:	6	1:	24	8	30	3
Σ:	619	:	297		916	

• CROSS TABULATION • 22/4/00•13:55 ••••••••••••••••••••••••••••••••

• Cell file: variable A.Cel
• 22/4/00•12:47
• Token file: variable A
• Conditions: variable A.Cnd

Group #1 -- horizontally.
Group #4 -- vertically.

	a	%	b	%	Σ	%
s 1:	455	99:	233	92|	688	97
-:	4	1:	19	8|	23	3
Σ:	459	:	252	|	711	
p 1:	158	99:	40	89|	198	97
-:	2	1:	5	11|	7	3
Σ:	160	:	45	|	205	
Σ 1:	613	99:	273	92|	886	97
-:	6	1:	24	8|	30	3
Σ:	619	:	297	|	916	

• CROSS TABULATION • 22/4/00•13:55 ••••••••••••••••••••••••••••••••••
• Cell file: variable A.Cel
• 22/4/00•12:47
• Token file: variable A
• Conditions: variable A.Cnd

Group #2 -- horizontally.
Group #3 -- vertically.

	m	%	g	%	j	%	Σ	%
y 1:	269	100:	34	100:	26	100|	329	100
-:	0	0:	0	0:	0	0|	0	0
Σ:	269	:	34	:	26	|	329	
x 1:	480	97:	42	72:	35	97|	557	95
-:	13	3:	16	28:	1	3|	30	5
Σ:	493	:	58	:	36	|	587	
Σ 1:	749	98:	76	83:	61	98|	886	97
-:	13	2:	16	17:	1	2|	30	3
Σ:	762	:	92	:	62	|	916	

• CROSS TABULATION • 22/4/00•13:55 ••••••••••••••••••••••••••••••••••
• Cell file: variable A.Cel
• 22/4/00•12:47
• Token file: variable A
• Conditions: variable A.Cnd

Group #2 -- horizontally.
Group #4 -- vertically.

	m	%	g	%	j	%	Σ	%

s	1:	596	99:	49	78:	43	98	688	97
	-:	8	1:	14	22:	1	2	23	3
	Σ:	604	:	63	:	44		711	
p	1:	153	97:	27	93:	18	100	198	97
	-:	5	3:	2	7:	0	0	7	3
	Σ:	158	:	29	:	18		205	
Σ	1:	749	98:	76	83:	61	98	886	97
	-:	13	2:	16	17:	1	2	30	3
	Σ:	762	:	92	:	62		916	

• CROSS TABULATION • 22/4/0•13:55 ••••••••••••••••••••••••••••••••••
• Cell file: variable A.Cel
• 22/4/00•12:47
• Token file: variable A
• Conditions: variable A.Cnd

Group #3 -- horizontally.
Group #4 -- vertically.

		y	%	x	%	Σ	%
s	1:	260	100:	428	95	688	97
	-:	0	0:	23	5	23	3
	Σ:	260	:	451		711	
p	1:	69	100:	129	95	198	97
	-:	0	0:	7	5	7	3
	Σ:	69	:	136		205	
Σ	1:	329	100:	557	95	886	97
	-:	0	0:	30	5	30	3
	Σ:	329	:	587		916	

```
• CELL CREATION • 22/4/00•13:17 ••••••••••••••••••••••••••••••••••
    Name of token file:  variable A
Name of condition file:  variable A.Cnd
(
(1)
(2)
(3)
)
       Number of cells:  4
  Application value(s):  1
  Total no. of factors:  4
```

Group		Apps	Non-apps	Total	%
1 (2)					
a	N	613	6	619	68
	%	99	1		
b	N	273	24	297	32
	%	92	8		
Total	N	886	30	916	
	%	97	3		
2 (3)					
u	N	810	14	824	90
	%	98	2		
n	N	76	16	92	10
	%	83	17		
Total	N	886	30	916	
	%	97	3		
TOTAL	N	886	30	916	
	%	97	3		

```
 Name of new cell file:  variable A.Cel


• CROSS TABULATION • 22/4/0•13:19 ••••••••••••••••••••••••••••••••••
•  Cell file:  variable A.Cel (copia)
• 22/4/0•13:17
• Token file: variable A (copia)
• Conditions: variable A.Cnd (copia)

Group #1 -- horizontally.
Group #2 -- vertically.

         a   %     b   %     Σ   %
    + - - - - + - - - - + - - - -
u 1:   581  99:   229  95|   810  98
  -:     3   1:    11   5|    14   2
```

```
  Σ:  584    :  240    |  824
   + - - - - + - - - - + - - - -
n 1:   32  91:   44  77|   76  83
  -:    3   9:   13  23|   16  17
  Σ:   35    :   57    |   92
   +---------+---------+---------
Σ 1:  613  99:  273  92|  886  97
  -:    6   1:   24   8|   30   3
  Σ:  619    :  297    |  916
```

```
• CELL LOADING • 22/4/0•15:13 ••••••••••••••••••••••••••••••••••••
•  Cell file: variable A.Cel (prob)
• 22/4/00•13:17
• Token file: variable A
• Conditions: variable A.Cnd
      Number of cells:  4
  Application value(s):  1
  Total no. of factors:  4
```

Group		Apps	Non-apps	Total	%
1 (2)					
a	N	613	6	619	68
	%	99	1		
b	N	273	24	297	32
	%	92	8		
Total	N	886	30	916	
	%	97	3		
2 (3)					
u	N	810	14	824	90
	%	98	2		
n	N	76	16	92	10
	%	83	17		
Total	N	886	30	916	
	%	97	3		
TOTAL	N	886	30	916	
	%	97	3		

```
• CELL LOADING • 5/5/00•12:40 ••••••••••••••••••••••••••••••••••••
•  Cell file: variable A.Cel (prob)
• 22/4/00•13:17
• Token file: variable A
• Conditions: variable A.Cnd
      Number of cells:  4
  Application value(s):  1
  Total no. of factors:  4
```

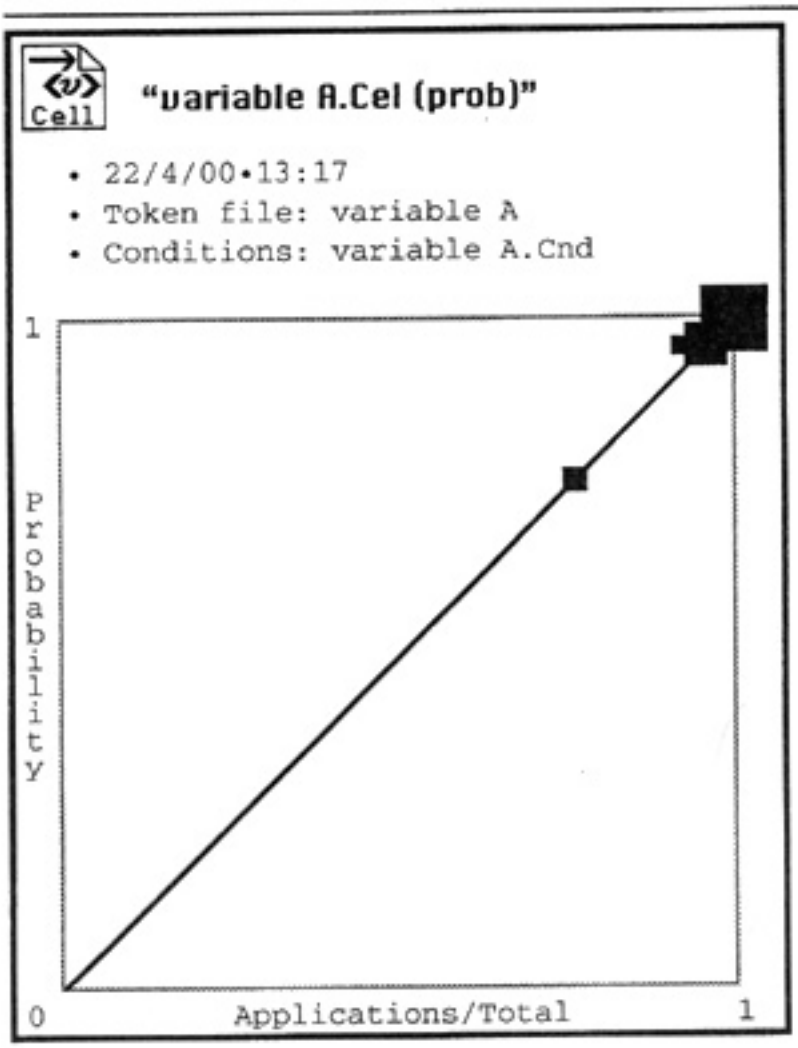
Group		Apps	Non-apps	Total	%
1 (2)					
a	N	613	6	619	68
	%	99	1		
b	N	273	24	297	32
	%	92	8		
Total	N	886	30	916	
	%	97	3		
2 (3)					
u	N	810	14	824	90
	%	98	2		
n	N	76	16	92	10
	%	83	17		
Total	N	886	30	916	
	%	97	3		
TOTAL	N	886	30	916	
	%	97	3		

```
• BINOMIAL VARBRUL, 1 step • 5/5/00•12:40 ••••••••••••••••••••••••••
Name of cell file:  variable A.Cel (prob)

Using fast, less accurate method.
Averaging by weighting factors.
One-level binomial analysis…

Run # 1, 4 cells:
Iterations:  1 2 3 4 5 6
Convergence at Iteration 6
Input 0.985

Group Factor Weight App/Total Input&Weight

   1:     a    0.641    0.99        0.99
          b    0.230    0.92        0.95

   2:     u    0.551    0.98        0.99
          n    0.137    0.83        0.91

  Cell  Total      App'ns     Expected      Error
    bu    240         229      230.149      0.140
    bn     57          44       42.844      0.126
    au    584         581      579.847      0.322
    an     35          32       33.165      0.781
Total Chi-square = 1.3681
 Chi-square/cell = 0.3420
Log likelihood =  -104.941
Maximum possible likelihood = -104.303
```

```
Fit:  X-square(2) = 1.275, accepted, p = 0.5329

Execution time:  0 min, 5.0 sec


• BINOMIAL VARBRUL • 5/5/00•12:42 ••••••••••••••••••••••••••••••••••
Name of cell file:  variable A.Cel (prob)

Using fast, less accurate method.
Averaging by weighting factors.
Threshold, step-up/down: 0.050001

Stepping Up…

---------- Level # 0 ----------

Run # 1, 1 cells:
Iterations:  1 2
Convergence at Iteration 2
Input 0.967
Log likelihood = -132.049

---------- Level # 1 ----------

Run # 2, 2 cells:
Iterations:  1 2 3 4 5
Convergence at Iteration 5
Input 0.980
Group # 1 -- a: 0.671, b: 0.185
Log likelihood = -117.169  Significance = 0.000

Run # 3, 2 cells:
Iterations:  1 2 3 4 5
Convergence at Iteration 5
Input 0.978
Group # 2 -- u: 0.562, n: 0.096
Log likelihood = -113.426  Significance = 0.000

Add Group # 2 with factors un

---------- Level # 2 ----------

Run # 4, 4 cells:
Iterations:  1 2 3 4 5 6
Convergence at Iteration 6
Input 0.985
Group # 1 -- a: 0.641, b: 0.230
Group # 2 -- u: 0.551, n: 0.137
Log likelihood = -104.941  Significance = 0.000
Maximum possible likelihood = -104.303
Fit:  X-square(2) = 1.275, accepted, p = 0.5329

Add Group # 1 with factors ab
Best stepping up run:  #4
-------------------------------------------
```

```
Stepping Down…

---------- Level # 2 ----------

Run # 5, 4 cells:
Iterations:  1 2 3 4 5 6
Convergence at Iteration 6
Input 0.985
Group # 1 -- a: 0.641, b: 0.230
Group # 2 -- u: 0.551, n: 0.137
Log likelihood =  -104.941
Maximum possible likelihood = -104.303
Fit:  X-square(2) = 1.275, accepted, p = 0.5329

---------- Level # 1 ----------

Run # 6, 2 cells:
Iterations:  1 2 3 4 5
Convergence at Iteration 5
Input 0.978
Group # 2 -- u: 0.562, n: 0.096
Log likelihood = -113.426  Significance = 0.000

Run # 7, 2 cells:
Iterations:  1 2 3 4 5
Convergence at Iteration 5
Input 0.980
Group # 1 -- a: 0.671, b: 0.185
Log likelihood = -117.169  Significance = 0.000

All remaining groups significant

Groups eliminated while stepping down: None
Best stepping  up  run:  #4
Best stepping down run:  #5

Execution time:  0 min, 12.6 sec
```

Scattergram



```
• CELL CREATION • 25/4/0•12:36 ••••••••••••••••••••••••••••••••••••••
    Name of token file:  variable A (prob)
Name of condition file:  variable A.Cnd (centering)
(
(1)
(2)
(3)
)
       Number of cells:  4
  Application value(s):  1
  Total no. of factors:  4
```

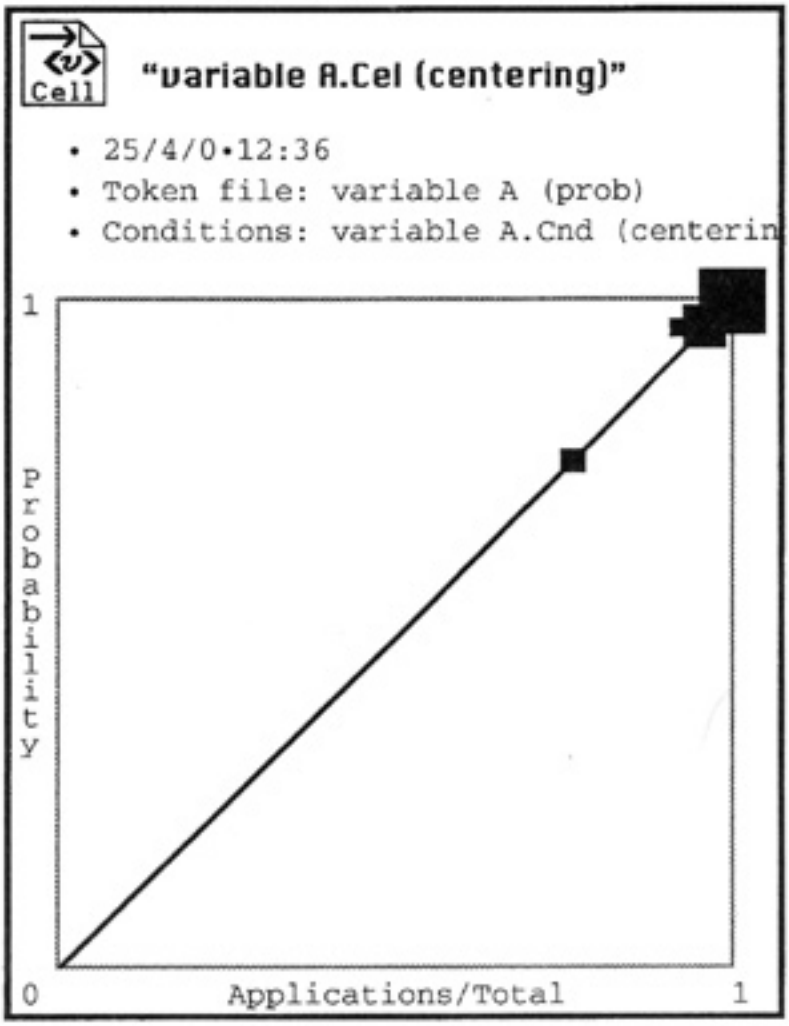
Group		Apps	Non-apps	Total	%
1 (2)					
a	N	613	6	619	68
	%	99	1		
b	N	273	24	297	32
	%	92	8		
Total	N	886	30	916	
	%	97	3		
2 (3)					
u	N	810	14	824	90
	%	98	2		
n	N	76	16	92	10
	%	83	17		
Total	N	886	30	916	
	%	97	3		
TOTAL	N	886	30	916	
	%	97	3		

```
 Name of new cell file:  variable A.Cel (centering)


• BINOMIAL VARBRUL, 1 step • 25/4/00•12:37 ••••••••••••••••••••••••••
Name of cell file:  variable A.Cel (centering)

Using fast, less accurate method.
Averaging by centering factors.
One-level binomial analysis…

Run # 1, 4 cells:
Iterations:  1 2 3 4 5
Convergence at Iteration 5
Input 0.954

Group Factor Weight App/Total Input&Weight
```

```
   1:     a    0.710    0.99        0.98
          b    0.290    0.92        0.89

   2:     u    0.735    0.98        0.98
          n    0.265    0.83        0.88

  Cell  Total      App'ns     Expected      Error
    bu    240         229      230.131      0.135
    bn     57          44       42.850      0.124
    au    584         581      579.847      0.322
    an     35          32       33.172      0.793
Total Chi-square = 1.3743
 Chi-square/cell = 0.3436
Log likelihood =  -104.946
Maximum possible likelihood = -104.303
Fit:  X-square(2) = 1.285, accepted, p = 0.5300

Execution time:  0 min, 4.6 sec


• BINOMIAL VARBRUL • 25/4/00•12:47 ••••••••••••••••••••••••••••••••••
Name of cell file:  variable A.Cel (centering)

Using fast, less accurate method.
Averaging by centering factors.
Threshold, step-up/down: 0.050001

Stepping Up…

---------- Level # 0 ----------

Run # 1, 1 cells:
Iterations:  1 2
Convergence at Iteration 2
Input 0.967
Log likelihood = -132.049

---------- Level # 1 ----------

Run # 2, 2 cells:
Iterations:  1 2 3 4 5
Convergence at Iteration 5
Input 0.971
Group # 1 -- a: 0.750, b: 0.250
Log likelihood = -117.159  Significance = 0.000

Run # 3, 2 cells:
Iterations:  1 2 3 4 5
Convergence at Iteration 5
Input 0.943
Group # 2 -- u: 0.777, n: 0.223
Log likelihood = -113.439  Significance = 0.000

Add Group # 2 with factors un
```

```
---------- Level # 2 ----------

Run # 4, 4 cells:
Iterations:  1 2 3 4 5
Convergence at Iteration 5
Input 0.954
Group # 1 -- a: 0.710, b: 0.290
Group # 2 -- u: 0.735, n: 0.265
Log likelihood = -104.946  Significance = 0.000
Maximum possible likelihood = -104.303
Fit:  X-square(2) = 1.285, accepted, p = 0.5300

Add Group # 1 with factors ab
Best stepping up run:  #4
-------------------------------------------

Stepping Down…

---------- Level # 2 ----------

Run # 5, 4 cells:
Iterations:  1 2 3 4 5
Convergence at Iteration 5
Input 0.954
Group # 1 -- a: 0.710, b: 0.290
Group # 2 -- u: 0.735, n: 0.265
Log likelihood =  -104.946
Maximum possible likelihood = -104.303
Fit:  X-square(2) = 1.285, accepted, p = 0.5300

---------- Level # 1 ----------

Run # 6, 2 cells:
Iterations:  1 2 3 4 5
Convergence at Iteration 5
Input 0.943
Group # 2 -- u: 0.777, n: 0.223
Log likelihood = -113.439  Significance = 0.000

Run # 7, 2 cells:
Iterations:  1 2 3 4 5
Convergence at Iteration 5
Input 0.971
Group # 1 -- a: 0.750, b: 0.250
Log likelihood = -117.159  Significance = 0.000

All remaining groups significant

Groups eliminated while stepping down: None
Best stepping  up  run:  #4
Best stepping down run:  #5

Execution time:  0 min, 11.9 sec
```

Scattergram



	%	95	5		
b	N	157	16	173	40
	%	91	9		
Total	N	404	28	432	
	%	94	6		
TOTAL	N	404	28	432	
	%	94	6		

Name of new cell file: variable B.Cel

• CELL CREATION • 16/5/00•14:00 ••••••••••••••••••••••••••••••••••••

Name of token file: variable B (gi)
Name of condition file: variable B.Cnd(gi)
(
(1)
(2)
(3)
(4)
(5)
)

Number of cells: 17
Application value(s): 1
Total no. of factors: 9

Group		Apps	Non-apps	Total	%
1 (2)					
t	N	318	25	343	79
	%	93	7		
p	N	84	2	86	20
	%	98	2		
s	N	2	1	3	1
	%	67	33		
Total	N	404	28	432	
	%	94	6		
2 (3)					
u	N	362	15	377	87
	%	96	4		
n	N	42	13	55	13
	%	76	24		
Total	N	404	28	432	
	%	94	6		
3 (4)					
x	N	162	20	182	42
	%	89	11		
y	N	242	8	250	58
	%	97	3		
Total	N	404	28	432	
	%	94	6		
4 (5)					
a	N	247	12	259	60
	%	95	5		
b	N	157	16	173	40

```
       %     91      9

 Total N    404     28     432
       %     94      6
-----------------------------------
 TOTAL N    404     28     432
       %     94      6

 Name of new cell file:  variable B.Cel(gi)

• BINOMIAL VARBRUL, 1 step • 16/5/00•14:01 ••••••••••••••••••••••••••
Name of cell file:  variable B.Cel(gi)

Using fast, less accurate method.
Averaging by weighting factors.
One-level binomial analysis…

Run # 1, 17 cells:
Iterations:  1 2 3 4 5 6 7
Convergence at Iteration 7
Input 0.967

Group Factor Weight App/Total Input&Weight

   1:     t    0.432    0.93       0.96
          p    0.766    0.98       0.99
          s    0.078    0.67       0.71

   2:     u    0.564    0.96       0.97
          n    0.147    0.76       0.83

   3:     x    0.273    0.89       0.92
          y    0.671    0.97       0.98

   4:     a    0.602    0.95       0.98
          b    0.349    0.91       0.94

  Cell  Total     App'ns    Expected     Error
  tuyb     68         65      65.882     0.379
  tuya    104        101     102.827     2.880
  tuxb     32         27      27.244     0.015
  tuxa     95         93      89.460     2.402
  tnyb     10          9       8.052     0.573
  tnya     14         14      12.893     1.202
  tnxb      8          4       3.457     0.150
  tnxa     12          5       8.184     3.897
  suyb      1          0       0.777     3.484
  suya      1          1       0.908     0.102
  snyb      1          1       0.316     2.161
  puyb     27         27      26.800     0.202
  puya     16         16      15.958     0.042
  puxb     16         15      15.376     0.236
  puxa     17         17      16.759     0.245
  pnyb      8          8       7.574     0.450
  pnxb      2          1       1.532     0.790
```

```
Total Chi-square = 19.2081
 Chi-square/cell = 1.1299
Log likelihood =  -81.735
Maximum possible likelihood = -71.531
Fit:  X-square(12) = 20.407, accepted, p = 0.4822

Execution time:  0 min, 9.3 sec

• BINOMIAL VARBRUL • 16/5/00•14:01 ••••••••••••••••••••••••••••••••••
Name of cell file:  variable B.Cel(gi)

Using fast, less accurate method.
Averaging by weighting factors.
Threshold, step-up/down: 0.050001

Stepping Up…

---------- Level # 0 ----------

Run # 1, 1 cells:
Iterations:  1 2
Convergence at Iteration 2
Input 0.935
Log likelihood = -103.684

---------- Level # 1 ----------

Run # 2, 3 cells:
Iterations:  1 2 3 4 5
Convergence at Iteration 5
Input 0.941
Group # 1 -- t: 0.444, p: 0.725, s: 0.112
Log likelihood = -100.938  Significance = 0.068

Run # 3, 2 cells:
Iterations:  1 2 3 4 5
Convergence at Iteration 5
Input 0.949
Group # 2 -- u: 0.564, n: 0.148
Log likelihood = -93.139  Significance = 0.000

Run # 4, 2 cells:
Iterations:  1 2 3 4 5
Convergence at Iteration 5
Input 0.945
Group # 3 -- x: 0.318, y: 0.635
Log likelihood = -98.433  Significance = 0.002

Run # 5, 2 cells:
Iterations:  1 2 3 4
Convergence at Iteration 4
Input 0.939
Group # 4 -- a: 0.573, b: 0.391
Log likelihood = -101.907  Significance = 0.063
```

```
Add Group # 2 with factors un

---------- Level # 2 ----------

Run # 6, 6 cells:
Iterations:  1 2 3 4 5
Convergence at Iteration 5
Input 0.954
Group # 1 -- t: 0.443, p: 0.728, s: 0.142
Group # 2 -- u: 0.563, n: 0.149
Log likelihood = -90.742  Significance = 0.093
Maximum possible likelihood = -89.218
Fit:  X-square(3) = 3.048, accepted, p = 0.3950

Run # 7, 4 cells:
Iterations:  1 2 3 4 5 6
Convergence at Iteration 6
Input 0.959
Group # 2 -- u: 0.568, n: 0.133
Group # 3 -- x: 0.299, y: 0.650
Log likelihood = -87.104  Significance = 0.001
Maximum possible likelihood = -82.326
Fit:  X-square(2) = 9.557, rejected, p = 0.0093

Run # 8, 4 cells:
Iterations:  1 2 3 4
Convergence at Iteration 4
Input 0.951
Group # 2 -- u: 0.561, n: 0.155
Group # 4 -- a: 0.557, b: 0.415
Log likelihood = -92.153  Significance = 0.169
Maximum possible likelihood = -90.400
Fit:  X-square(2) = 3.507, accepted, p = 0.1793

Add Group # 3 with factors xy

---------- Level # 3 ----------

Run # 9, 10 cells:
Iterations:  1 2 3 4 5 6 7
Convergence at Iteration 7
Input 0.963
Group # 1 -- t: 0.450, p: 0.709, s: 0.066
Group # 2 -- u: 0.567, n: 0.138
Group # 3 -- x: 0.290, y: 0.658
Log likelihood = -84.484  Significance = 0.077
Maximum possible likelihood = -78.293
Fit:  X-square(6) = 12.382, accepted, p = 0.0554

Run # 10, 8 cells:
Iterations:  1 2 3 4 5 6
Convergence at Iteration 6
Input 0.962
Group # 2 -- u: 0.565, n: 0.141
Group # 3 -- x: 0.283, y: 0.663
```

```
Group # 4 -- a: 0.582, b: 0.378
Log likelihood = -85.208  Significance = 0.052
Maximum possible likelihood = -77.799
Fit:  X-square(5) = 14.818, rejected, p = 0.0116

No remaining groups significant

Groups selected while stepping up:  2  3
Best stepping up run:  #7
-------------------------------------------

Stepping Down...

---------- Level # 4 ----------

Run # 11, 17 cells:
Iterations:  1 2 3 4 5 6 7
Convergence at Iteration 7
Input 0.967
Group # 1 -- t: 0.432, p: 0.766, s: 0.078
Group # 2 -- u: 0.564, n: 0.147
Group # 3 -- x: 0.273, y: 0.671
Group # 4 -- a: 0.602, b: 0.349
Log likelihood =  -81.735
Maximum possible likelihood = -71.531
Fit:  X-square(12) = 20.407, accepted, p = 0.4822

---------- Level # 3 ----------

Run # 12, 8 cells:
Iterations:  1 2 3 4 5 6
Convergence at Iteration 6
Input 0.962
Group # 2 -- u: 0.565, n: 0.141
Group # 3 -- x: 0.283, y: 0.663
Group # 4 -- a: 0.582, b: 0.378
Log likelihood = -85.208  Significance = 0.034
Maximum possible likelihood = -77.799
Fit:  X-square(5) = 14.818, rejected, p = 0.0116

Run # 13, 10 cells:
Iterations:  1 2 3 4 5 6 7
Convergence at Iteration 7
Input 0.958
Group # 1 -- t: 0.430, p: 0.772, s: 0.060
Group # 3 -- x: 0.280, y: 0.665
Group # 4 -- a: 0.614, b: 0.334
Log likelihood = -91.219  Significance = 0.000
Maximum possible likelihood = -89.638
Fit:  X-square(6) = 3.162, accepted, p = 0.7879

Run # 14, 10 cells:
Iterations:  1 2 3 4 5 6
Convergence at Iteration 6
Input 0.957
```

```
Group # 1 -- t: 0.427, p: 0.773, s: 0.167
Group # 2 -- u: 0.561, n: 0.155
Group # 4 -- a: 0.579, b: 0.383
Log likelihood = -88.952  Significance = 0.000
Maximum possible likelihood = -85.013
Fit:  X-square(6) = 7.878, accepted, p = 0.2512

Run # 15, 10 cells:
Iterations:  1 2 3 4 5 6 7
Convergence at Iteration 7
Input 0.963
Group # 1 -- t: 0.450, p: 0.709, s: 0.066
Group # 2 -- u: 0.567, n: 0.138
Group # 3 -- x: 0.290, y: 0.658
Log likelihood = -84.484  Significance = 0.019
Maximum possible likelihood = -78.293
Fit:  X-square(6) = 12.382, accepted, p = 0.0554

All remaining groups significant

Groups eliminated while stepping down: None
Best stepping  up  run:  #7
Best stepping down run:  #11

Execution time:  0 min, 43.0 sec

• CROSS TABULATION • 16/5/00•14:03 ••••••••••••••••••••••••••••••••••
•  Cell file:  variable B.Cel(gi)
• 27/8/56•14:00
• Token file: variable B (gi)
• Conditions: variable B.Cnd(gi)

Group #1 -- horizontally.
Group #2 -- vertically.

         t   %     p   %     s   %     Σ   %
    + - - - - + - - - - + - - - - + - - - -
u 1:   286  96:    75  99:     1  50|  362  96
  -:    13   4:     1   1:     1  50|   15   4
  Σ:   299     :    76     :    2    |  377
    + - - - - + - - - - + - - - - + - - - -
n 1:    32  73:     9  90:     1 100|   42  76
  -:    12  27:     1  10:     0   0|   13  24
  Σ:    44     :    10     :    1    |   55
     +---------+---------+---------+---------
Σ 1:   318  93:    84  98:     2  67|  404  94
  -:    25   7:     2   2:     1  33|   28   6
  Σ:   343     :    86     :    3    |  432

• CROSS TABULATION • 16/5/00•14:03 ••••••••••••••••••••••••••••••••••
•  Cell file:  variable B.Cel(gi)
• 27/8/56•14:00
• Token file: variable B (gi)
• Conditions: variable B.Cnd(gi)
```

Group #1 -- horizontally.
Group #3 -- vertically.

	t	%	p	%	s	%	Σ	%
x 1:	129	88:	33	94:	0	--|	162	89
-:	18	12:	2	6:	0	--|	20	11
Σ:	147	:	35	:	0	|	182	
y 1:	189	96:	51	100:	2	67|	242	97
-:	7	4:	0	0:	1	33|	8	3
Σ:	196	:	51	:	3	|	250	
Σ 1:	318	93:	84	98:	2	67|	404	94
-:	25	7:	2	2:	1	33|	28	6
Σ:	343	:	86	:	3	|	432	

• CROSS TABULATION • 16/5/00•14:03 ••••••••••••••••••••••••••••••••
• Cell file: variable B.Cel(gi)
• 27/8/56•14:00
• Token file: variable B (gi)
• Conditions: variable B.Cnd(gi)

Group #1 -- horizontally.
Group #4 -- vertically.

	t	%	p	%	s	%	Σ	%
a 1:	213	95:	33	100:	1	100|	247	95
-:	12	5:	0	0:	0	0|	12	5
Σ:	225	:	33	:	1	|	259	
b 1:	105	89:	51	96:	1	50|	157	91
-:	13	11:	2	4:	1	50|	16	9
Σ:	118	:	53	:	2	|	173	
Σ 1:	318	93:	84	98:	2	67|	404	94
-:	25	7:	2	2:	1	33|	28	6
Σ:	343	:	86	:	3	|	432	

• CROSS TABULATION • 16/5/00•14:04 ••••••••••••••••••••••••••••••••
• Cell file: variable B.Cel(gi)
• 27/8/56•14:00
• Token file: variable B (gi)
• Conditions: variable B.Cnd(gi)

Group #2 -- horizontally.
Group #3 -- vertically.

	u	%	n	%	Σ	%
x 1:	152	95:	10	45|	162	89
-:	8	5:	12	55|	20	11
Σ:	160	:	22	|	182	

```
y 1:  210  97:   32  97|  242  97
  -:    7   3:    1   3|    8   3
  Σ:  217    :   33    |  250
   +---------+---------+---------
Σ 1:  362  96:   42  76|  404  94
  -:   15   4:   13  24|   28   6
  Σ:  377    :   55    |  432
```

• CROSS TABULATION • 16/5/00•14:04 ••••••••••••••••••••••••••••••••••
• Cell file: variable B.Cel(gi)
• 13/5/00•14:00
• Token file: variable B (gi)
• Conditions: variable B.Cnd(gi)

Group #2 -- horizontally.
Group #4 -- vertically.

```
        u   %     n   %     Σ   %
   + - - - - + - - - - + - - - -
a 1:  228  98:   19  73|  247  95
  -:    5   2:    7  27|   12   5
  Σ:  233    :   26    |  259
   + - - - - + - - - - + - - - -
b 1:  134  93:   23  79|  157  91
  -:   10   7:    6  21|   16   9
  Σ:  144    :   29    |  173
   +---------+---------+---------
Σ 1:  362  96:   42  76|  404  94
  -:   15   4:   13  24|   28   6
  Σ:  377    :   55    |  432
```

• CROSS TABULATION • 16/5/00•14:04 ••••••••••••••••••••••••••••••••••
• Cell file: variable B.Cel(gi)
• 27/8/56•14:00
• Token file: variable B (gi)
• Conditions: variable B.Cnd(gi)

Group #3 -- horizontally.
Group #4 -- vertically.

```
        x   %     y   %     Σ   %
   + - - - - + - - - - + - - - -
a 1:  115  93:  132  98|  247  95
  -:    9   7:    3   2|   12   5
  Σ:  124    :  135    |  259
   + - - - - + - - - - + - - - -
b 1:   47  81:  110  96|  157  91
  -:   11  19:    5   4|   16   9
  Σ:   58    :  115    |  173
   +---------+---------+---------
Σ 1:  162  89:  242  97|  404  94
  -:   20  11:    8   3|   28   6
  Σ:  182    :  250    |  432
```

Cross Tabulation

"variable B.Cnd(gi).Cel"

- 24/11/0•17:39
- Token file: variable B (gi)
- Conditions: variable B.Cnd(gi)

Group #2 -- horizontally.
Group #3 -- vertically.

		u	%	n	%	Σ	%
x	1	152	95	10	45	162	89
	-	8	5	12	55	20	11
Σ		160		22		182	
y	1	210	97	32	97	242	97
	-	7	3	1	3	8	3
Σ		217		33		250	
Σ	1	362	96	42	76	404	94
	-	15	4	13	24	28	6
Σ		377		55		432	

Cross Tabulation

"variable A.Cel (prob)"

- 22/4/00•13:17
- Token file: variable A
- Conditions: variable A.Cnd

Group #1 -- horizontally.
Group #2 -- vertically.

		a	%	b	%	Σ	%
u	1	581	99	229	95	810	98
	-	3	1	11	5	14	2
Σ		584		240		824	
n	1	32	91	44	77	76	83
	-	3	9	13	23	16	17
Σ		35		57		92	
Σ	1	613	99	273	92	886	97
	-	6	1	24	8	30	3
Σ		619		297		916	

Cross Tabulation

"variable B.Cnd(gi).Cel"

- 24/11/0•17:39
- Token file: variable B (gi)
- Conditions: variable B.Cnd(gi)

Group #1 -- horizontally.
Group #2 -- vertically.

		t	%	p	%	s	%	Σ	%
u	1	286	96	75	99	1	50	362	96
	-	13	4	1	1	1	50	15	4
Σ		299		76		2		377	
n	1	32	73	9	90	1	100	42	76
	-	12	27	1	10	0	0	13	24
Σ		44		10		1		55	
Σ	1	318	93	84	98	2	67	404	94
	-	25	7	2	2	1	33	28	6
Σ		343		86		3		432	

Cross Tabulation

"variable B.Cnd(gi).Cel"

- 24/11/0•17:39
- Token file: variable B (gi)
- Conditions: variable B.Cnd(gi)

Group #1 -- horizontally.
Group #3 -- vertically.

		t	%	p	%	s	%	Σ	%
x	1	129	88	33	94	0	--	162	89
	-	18	12	2	6	0	--	20	11
Σ		147		35		0		182	
y	1	189	96	51	100	2	67	242	97
	-	7	4	0	0	1	33	8	3
Σ		196		51		3		250	
Σ	1	318	93	84	98	2	67	404	94
	-	25	7	2	2	1	33	28	6
Σ		343		86		3		432	

• CELL CREATION • 25/5/00•13:13 ••••••••••••••••••••••••••••••••••

Name of token file: variable C
Name of condition file: variable C.Cnd
(
(1)
(2)
(3)
(4)
)

Number of cells: 7
Application value(s): 1
Total no. of factors: 6

Group		Apps	Non-apps	Total	%
1 (2)					
a	N	40	6	46	48
	%	87	13		
b	N	33	16	49	52
	%	67	33		
Total	N	73	22	95	
	%	77	23		
2 (3)					
x	N	71	18	89	94
	%	80	20		
y	N	2	4	6	6
	%	33	67		
Total	N	73	22	95	
	%	77	23		
3 (4)					
n	N	5	14	19	20
	%	26	74		
u	N	68	8	76	80
	%	89	11		
Total	N	73	22	95	
	%	77	23		
TOTAL	N	73	22	95	
	%	77	23		

Name of new cell file: variable C.Cel

• CROSS TABULATION • 25/5/00•13:13 ••••••••••••••••••••••••••••••
• Cell file: variable C.Cel
• 27/8/56•13:13
• Token file: variable C

• Conditions: variable C.Cnd

Group #1 -- horizontally.
Group #2 -- vertically.

		a	%	b	%	Σ	%
x	1:	40	93:	31	67	71	80
	-:	3	7:	15	33	18	20
	Σ:	43	:	46		89	
y	1:	0	0:	2	67	2	33
	-:	3	100:	1	33	4	67
	Σ:	3	:	3		6	
Σ	1:	40	87:	33	67	73	77
	-:	6	13:	16	33	22	23
	Σ:	46	:	49		95	

• CROSS TABULATION • 25/5/00•13:13 ••••••••••••••••••••••••••••••••
• Cell file: variable C.Cel
• 25/5/00•13:13
• Token file: variable C
• Conditions: variable C.Cnd

Group #1 -- horizontally.
Group #3 -- vertically.

		a	%	b	%	Σ	%
n	1:	3	60:	2	14	5	26
	-:	2	40:	12	86	14	74
	Σ:	5	:	14		19	
u	1:	37	90:	31	89	68	89
	-:	4	10:	4	11	8	11
	Σ:	41	:	35		76	
Σ	1:	40	87:	33	67	73	77
	-:	6	13:	16	33	22	23
	Σ:	46	:	49		95	

• CROSS TABULATION • 25/5/00•13:13 ••••••••••••••••••••••••••••••••
• Cell file: variable C.Cel
• 27/8/56•13:13
• Token file: variable C
• Conditions: variable C.Cnd

Group #2 -- horizontally.
Group #3 -- vertically.

	x	%	y	%	Σ	%

variable C.Res

n	1:	5	28:	0	0	5	26
	-:	13	72:	1	100	14	74
	Σ:	18	:	1		19	
u	1:	66	93:	2	40	68	89
	-:	5	7:	3	60	8	11
	Σ:	71	:	5		76	
Σ	1:	71	80:	2	33	73	77
	-:	18	20:	4	67	22	23
	Σ:	89	:	6		95	

```
• CELL CREATION • 25/5/00•13:23 ••••••••••••••••••••••••••••••••••
    Name of token file:  variable D (%)
Name of condition file:  variable D (%).Cnd
(
(1)
(2)
(3)
(4)
(5)
(6)
)
       Number of cells:  27
  Application value(s):  1
  Total no. of factors:  10
```

Group		Apps	Non-apps	Total	%
1 (2)					
a	N	101	200	301	65
	%	34	66		
b	N	36	124	160	35
	%	23	78		
Total	N	137	324	461	
	%	30	70		
2 (3)					
u	N	121	286	407	88
	%	30	70		
n	N	16	38	54	12
	%	30	70		
Total	N	137	324	461	
	%	30	70		
3 (4)					
l	N	14	21	35	8
	%	40	60		
p	N	123	303	426	92
	%	29	71		
Total	N	137	324	461	
	%	30	70		
4 (5)					
s	N	113	260	373	81
	%	30	70		
r	N	24	64	88	19
	%	27	73		

```
 Total N     137     324      461
       %      30      70
-----------------------------------
 5 (6)
   i   N      95     203      298  65
       %      32      68

   e   N      42     121      163  35
       %      26      74

 Total N     137     324      461
       %      30      70
-----------------------------------
 TOTAL N     137     324      461
       %      30      70

 Name of new cell file:  variable D (%).Cel

• CROSS TABULATION • 25/5/00•13:24 ••••••••••••••••••••••••••••••••
•  Cell file:  variable D (%).Cel
• 27/8/56•13:23
• Token file: variable D (%)
• Conditions: variable D (%).Cnd

Group #1 -- horizontally.
Group #2 -- vertically.

         a   %     b   %     Σ   %
    + - - - - + - - - - + - - - -
u 1:    94  34:   27  21|  121  30
  -:   183  66:  103  79|  286  70
  Σ:   277    :  130    |  407
    + - - - - + - - - - + - - - -
n 1:     7  29:    9  30|   16  30
  -:    17  71:   21  70|   38  70
  Σ:    24    :   30    |   54
    +---------+---------+---------
Σ 1:   101  34:   36  23|  137  30
  -:   200  66:  124  78|  324  70
  Σ:   301    :  160    |  461

• CROSS TABULATION • 25/5/00•13:24 ••••••••••••••••••••••••••••••••
•  Cell file:  variable D (%).Cel
• 27/8/56•13:23
• Token file: variable D (%)
• Conditions: variable D (%).Cnd

Group #1 -- horizontally.
Group #3 -- vertically.

         a   %     b   %     Σ   %
    + - - - - + - - - - + - - - -
1 1:     8  42:    6  38|   14  40
  -:    11  58:   10  63|   21  60
  Σ:    19    :   16    |   35
```

```
   + - - - - + - - - - + - - - -
p 1:   93  33:   30  21|  123  29
  -:  189  67:  114  79|  303  71
  Σ:  282    :  144    |  426
   +--------+--------+--------
Σ 1:  101  34:   36  23|  137  30
  -:  200  66:  124  78|  324  70
  Σ:  301    :  160    |  461

• CROSS TABULATION • 25/5/00•13:24 ••••••••••••••••••••••••••••••••••
•  Cell file:  variable D (%).Cel
• 27/8/56•13:23
• Token file: variable D (%)
• Conditions: variable D (%).Cnd

Group #1 -- horizontally.
Group #4 -- vertically.

        a   %     b   %     Σ   %
   + - - - - + - - - - + - - - -
s 1:   81  33:   32  25|  113  30
  -:  162  67:   98  75|  260  70
  Σ:  243    :  130    |  373
   + - - - - + - - - - + - - - -
r 1:   20  34:    4  13|   24  27
  -:   38  66:   26  87|   64  73
  Σ:   58    :   30    |   88
   +--------+--------+--------
Σ 1:  101  34:   36  23|  137  30
  -:  200  66:  124  78|  324  70
  Σ:  301    :  160    |  461

• CROSS TABULATION • 25/5/00•13:24 ••••••••••••••••••••••••••••••••••
•  Cell file:  variable D (%).Cel
• 27/8/56•13:23
• Token file: variable D (%)
• Conditions: variable D (%).Cnd

Group #1 -- horizontally.
Group #5 -- vertically.

        a   %     b   %     Σ   %
   + - - - - + - - - - + - - - -
i 1:   67  35:   28  26|   95  32
  -:  122  65:   81  74|  203  68
  Σ:  189    :  109    |  298
   + - - - - + - - - - + - - - -
e 1:   34  30:    8  16|   42  26
  -:   78  70:   43  84|  121  74
  Σ:  112    :   51    |  163
   +--------+--------+--------
Σ 1:  101  34:   36  23|  137  30
  -:  200  66:  124  78|  324  70
  Σ:  301    :  160    |  461
```

```
• CROSS TABULATION • 25/5/00•13:24 ••••••••••••••••••••••••••••••••
•  Cell file:  variable D (%).Cel
• 27/8/56•13:23
• Token file: variable D (%)
• Conditions: variable D (%).Cnd

Group #2 -- horizontally.
Group #3 -- vertically.

         u   %     n   %     Σ   %
    + - - - - + - - - - + - - - -
1 1:    13  41:    1  33|   14  40
  -:    19  59:    2  67|   21  60
  Σ:    32     :    3    |   35
    + - - - - + - - - - + - - - -
p 1:   108  29:   15  29|  123  29
  -:   267  71:   36  71|  303  71
  Σ:   375     :   51    |  426
    +---------+---------+---------
Σ 1:   121  30:   16  30|  137  30
  -:   286  70:   38  70|  324  70
  Σ:   407     :   54    |  461

• CROSS TABULATION • 25/5/00•13:24 ••••••••••••••••••••••••••••••••
•  Cell file:  variable D (%).Cel
• 27/8/56•13:23
• Token file: variable D (%)
• Conditions: variable D (%).Cnd

Group #2 -- horizontally.
Group #4 -- vertically.

         u   %     n   %     Σ   %
    + - - - - + - - - - + - - - -
s 1:    98  30:   15  35|  113  30
  -:   232  70:   28  65|  260  70
  Σ:   330     :   43    |  373
    + - - - - + - - - - + - - - -
r 1:    23  30:    1   9|   24  27
  -:    54  70:   10  91|   64  73
  Σ:    77     :   11    |   88
    +---------+---------+---------
Σ 1:   121  30:   16  30|  137  30
  -:   286  70:   38  70|  324  70
  Σ:   407     :   54    |  461

• CROSS TABULATION • 25/5/00•13:25 ••••••••••••••••••••••••••••••••
•  Cell file:  variable D (%).Cel
• 27/8/56•13:23
• Token file: variable D (%)
• Conditions: variable D (%).Cnd

Group #2 -- horizontally.
Group #5 -- vertically.
```

	u	%	n	%	Σ	%
i	1:	86	33:	9	25	95	32
	-:	176	67:	27	75	203	68
	Σ:	262	:	36		298	
e	1:	35	24:	7	39	42	26
	-:	110	76:	11	61	121	74
	Σ:	145	:	18		163	
Σ	1:	121	30:	16	30	137	30
	-:	286	70:	38	70	324	70
	Σ:	407	:	54		461	

• CROSS TABULATION • 25/5/00•13:25 ••••••••••••••••••••••••••••••••
• Cell file: variable D (%).Cel
• 27/8/56•13:23
• Token file: variable D (%)
• Conditions: variable D (%).Cnd

Group #3 -- horizontally.
Group #4 -- vertically.

	l	%	p	%	Σ	%
s	1:	12	41:	101	29	113	30
	-:	17	59:	243	71	260	70
	Σ:	29	:	344		373	
r	1:	2	33:	22	27	24	27
	-:	4	67:	60	73	64	73
	Σ:	6	:	82		88	
Σ	1:	14	40:	123	29	137	30
	-:	21	60:	303	71	324	70
	Σ:	35	:	426		461	

• CROSS TABULATION • 25/5/00•13:25 ••••••••••••••••••••••••••••••••
• Cell file: variable D (%).Cel
• 27/8/56•13:23
• Token file: variable D (%)
• Conditions: variable D (%).Cnd

Group #3 -- horizontally.
Group #5 -- vertically.

	l	%	p	%	Σ	%
i	1:	12	44:	83	31	95	32
	-:	15	56:	188	69	203	68
	Σ:	27	:	271		298	
e	1:	2	25:	40	26	42	26
	-:	6	75:	115	74	121	74
	Σ:	8	:	155		163	

```
    +---------+---------+---------
Σ 1:    14  40:   123  29|   137  30
  -:    21  60:   303  71|   324  70
  Σ:    35     :   426    |   461

• CROSS TABULATION • 25/5/00•13:25 ••••••••••••••••••••••••••••••••••
•  Cell file:  variable D (%).Cel
• 27/8/56•13:23
• Token file: variable D (%)
• Conditions: variable D (%).Cnd

Group #4 -- horizontally.
Group #5 -- vertically.

          s   %      r   %      Σ   %
    + - - - - + - - - - + - - - -
i 1:    77  31:    18  38|    95  32
  -:   173  69:    30  63|   203  68
  Σ:   250     :    48    |   298
    + - - - - + - - - - + - - - -
e 1:    36  29:     6  15|    42  26
  -:    87  71:    34  85|   121  74
  Σ:   123     :    40    |   163
    +---------+---------+---------
Σ 1:   113  30:    24  27|   137  30
  -:   260  70:    64  73|   324  70
  Σ:   373     :    88    |   461


• BINOMIAL VARBRUL, 1 step • 25/5/00•14:22 ••••••••••••••••••••••••
Name of cell file:  variable D (%).Cel

Using fast, less accurate method.
Averaging by weighting factors.
One-level binomial analysis…

Run # 1, 27 cells:
Iterations:  1 2 3 4 5
Convergence at Iteration 5
Input 0.292

Group Factor Weight App/Total Input&Weight

   1:     a    0.553    0.34       0.34
          b    0.402    0.22       0.22

   2:     u    0.496    0.30       0.29
          n    0.532    0.30       0.32

   3:     l    0.622    0.40       0.40
          p    0.490    0.29       0.28

   4:     s    0.506    0.30       0.30
          r    0.476    0.27       0.27
```

```
  5:    i    0.526    0.32       0.31
        e    0.452    0.26       0.25

 Cell  Total     App'ns     Expected     Error
bupsi    66         13       15.118     0.385
bupse    28          5        5.059     0.001
bupri    12          3        2.506     0.123
bupre    10          0        1.638     1.959
bulsi    10          5        3.377     1.177
bulse     2          1        0.549     0.510
bulri     1          0        0.312     0.453
bulre     1          0        0.252     0.336
bnpsi    16          6        4.087     1.202
bnpse     6          2        1.218     0.630
bnpri     3          1        0.701     0.167
bnpre     3          0        0.554     0.679
bnlsi     1          0        0.371     0.589
bnlse     1          0        0.304     0.437
aupsi   132         46       46.692     0.016
aupse    78         23       22.533     0.014
aupri    27         13        8.834     2.920
aupre    22          5        5.834     0.162
aulsi    12          5        5.812     0.220
aulse     2          0        0.822     1.394
aulri     2          1        0.910     0.016
aulre     2          1        0.765     0.117
anpsi    12          1        4.647     4.672
anpse     6          5        1.916     7.294
anpri     3          0        1.079     1.685
anpre     2          0        0.588     0.834
anlsi     1          1        0.520     0.922
Total Chi-square = 28.9149
 Chi-square/cell = 1.0709
Log likelihood =  -274.981
Maximum possible likelihood = -257.463
Fit:  X-square(22) = 35.037, accepted, p = 0.0793

Execution time:  0 min, 9.1 sec

• BINOMIAL VARBRUL • 25/5/00•14:23 ••••••••••••••••••••••••••••••••
Name of cell file:  variable D (%).Cel

Using fast, less accurate method.
Averaging by weighting factors.
Threshold, step-up/down: 0.050001

Stepping Up…

---------- Level # 0 ----------

Run # 1, 1 cells:
Iterations:  1 2
Convergence at Iteration 2
Input 0.297
Log likelihood = -280.489
```

```
---------- Level # 1 ----------

Run # 2, 2 cells:
Iterations:  1 2 3 4
Convergence at Iteration 4
Input 0.294
Group # 1 -- a: 0.548, b: 0.411
Log likelihood = -277.350  Significance = 0.013

Run # 3, 2 cells:
Iterations:  1 2
Convergence at Iteration 2
Input 0.297
Group # 2 -- u: 0.500, n: 0.499
*** Warning, negative change in likelihood (-0.00323486) replaced by
Log likelihood = -280.491  Significance = 1.000

Run # 4, 2 cells:
Iterations:  1 2 3 4
Convergence at Iteration 4
Input 0.297
Group # 3 -- l: 0.612, p: 0.491
Log likelihood = -279.595  Significance = 0.186

Run # 5, 2 cells:
Iterations:  1 2 3 4
Convergence at Iteration 4
Input 0.297
Group # 4 -- s: 0.507, r: 0.470
Log likelihood = -280.329  Significance = 0.587

Run # 6, 2 cells:
Iterations:  1 2 3 4
Convergence at Iteration 4
Input 0.296
Group # 5 -- i: 0.526, e: 0.452
Log likelihood = -279.542  Significance = 0.176

Add Group # 1 with factors ab

---------- Level # 2 ----------

Run # 7, 4 cells:
Iterations:  1 2 3 4
Convergence at Iteration 4
Input 0.294
Group # 1 -- a: 0.549, b: 0.409
Group # 2 -- u: 0.496, n: 0.528
Log likelihood = -277.278  Significance = 0.704
Maximum possible likelihood = -276.675
Fit:  X-square(2) = 1.205, accepted, p = 0.5537

Run # 8, 4 cells:
Iterations:  1 2 3 4
```

```
Convergence at Iteration 4
Input 0.293
Group # 1 -- a: 0.550, b: 0.407
Group # 3 -- l: 0.629, p: 0.489
Log likelihood = -276.175  Significance = 0.133
Maximum possible likelihood = -276.003
Fit:  X-square(2) = 0.343, accepted, p = 0.8439

Run # 9, 4 cells:
Iterations:  1 2 3 4
Convergence at Iteration 4
Input 0.294
Group # 1 -- a: 0.548, b: 0.411
Group # 4 -- s: 0.507, r: 0.469
Log likelihood = -277.179  Significance = 0.573
Maximum possible likelihood = -276.365
Fit:  X-square(2) = 1.628, accepted, p = 0.4527

Run # 10, 4 cells:
Iterations:  1 2 3 4
Convergence at Iteration 4
Input 0.293
Group # 1 -- a: 0.549, b: 0.408
Group # 5 -- i: 0.529, e: 0.447
Log likelihood = -276.188  Significance = 0.136
Maximum possible likelihood = -275.898
Fit:  X-square(2) = 0.580, accepted, p = 0.7500

No remaining groups significant

Groups selected while stepping up:  1
Best stepping up run:  #2
-----------------------------------------

Stepping Down…

---------- Level # 5 ----------

Run # 11, 27 cells:
Iterations:  1 2 3 4 5
Convergence at Iteration 5
Input 0.292
Group # 1 -- a: 0.553, b: 0.402
Group # 2 -- u: 0.496, n: 0.532
Group # 3 -- l: 0.622, p: 0.490
Group # 4 -- s: 0.506, r: 0.476
Group # 5 -- i: 0.526, e: 0.452
Log likelihood =  -274.981
Maximum possible likelihood = -257.463
Fit:  X-square(22) = 35.037, accepted, p = 0.0793

---------- Level # 4 ----------

Run # 12, 14 cells:
Iterations:  1 2 3 4
```

```
Convergence at Iteration 4
Input 0.296
Group # 2 -- u: 0.500, n: 0.500
Group # 3 -- l: 0.604, p: 0.491
Group # 4 -- s: 0.505, r: 0.477
Group # 5 -- i: 0.524, e: 0.457
Log likelihood = -278.674  Significance = 0.008
Maximum possible likelihood = -271.292
Fit:  X-square(10) = 14.765, accepted, p = 0.7374

Run # 13, 16 cells:
Iterations:  1 2 3 4 5
Convergence at Iteration 5
Input 0.292
Group # 1 -- a: 0.551, b: 0.404
Group # 3 -- l: 0.621, p: 0.490
Group # 4 -- s: 0.506, r: 0.476
Group # 5 -- i: 0.526, e: 0.452
Log likelihood = -275.079  Significance = 0.670
Maximum possible likelihood = -268.834
Fit:  X-square(12) = 12.489, accepted, p = 0.8235

Run # 14, 16 cells:
Iterations:  1 2 3 4 5
Convergence at Iteration 5
Input 0.293
Group # 1 -- a: 0.551, b: 0.406
Group # 2 -- u: 0.496, n: 0.527
Group # 4 -- s: 0.506, r: 0.476
Group # 5 -- i: 0.528, e: 0.448
Log likelihood = -276.022  Significance = 0.159
Maximum possible likelihood = -264.227
Fit:  X-square(12) = 23.590, accepted, p = 0.3491

Run # 15, 15 cells:
Iterations:  1 2 3 4 5
Convergence at Iteration 5
Input 0.292
Group # 1 -- a: 0.553, b: 0.402
Group # 2 -- u: 0.496, n: 0.531
Group # 3 -- l: 0.622, p: 0.490
Group # 5 -- i: 0.527, e: 0.450
Log likelihood = -275.077  Significance = 0.672
Maximum possible likelihood = -266.072
Fit:  X-square(11) = 18.011, accepted, p = 0.5895

Run # 16, 14 cells:
Iterations:  1 2 3 4 5
Convergence at Iteration 5
Input 0.293
Group # 1 -- a: 0.551, b: 0.404
Group # 2 -- u: 0.496, n: 0.533
Group # 3 -- l: 0.630, p: 0.489
Group # 4 -- s: 0.507, r: 0.470
Log likelihood = -275.907  Significance = 0.180
```

```
Maximum possible likelihood = -268.649
Fit:  X-square(10) = 14.516, accepted, p = 0.7475

Cut Group # 4 with factors sr

---------- Level # 3 ----------

Run # 17, 8 cells:
Iterations:  1 2 3 4
Convergence at Iteration 4
Input 0.296
Group # 2 -- u: 0.500, n: 0.500
Group # 3 -- l: 0.605, p: 0.491
Group # 5 -- i: 0.524, e: 0.455
Log likelihood = -278.759  Significance = 0.008
Maximum possible likelihood = -276.629
Fit:  X-square(5) = 4.262, accepted, p = 0.5132

Run # 18, 8 cells:
Iterations:  1 2 3 4 5
Convergence at Iteration 5
Input 0.292
Group # 1 -- a: 0.551, b: 0.404
Group # 3 -- l: 0.621, p: 0.490
Group # 5 -- i: 0.527, e: 0.450
Log likelihood = -275.171  Significance = 0.675
Maximum possible likelihood = -274.485
Fit:  X-square(5) = 1.371, accepted, p = 0.9257

Run # 19, 8 cells:
Iterations:  1 2 3 4 5
Convergence at Iteration 5
Input 0.293
Group # 1 -- a: 0.551, b: 0.406
Group # 2 -- u: 0.496, n: 0.527
Group # 5 -- i: 0.529, e: 0.447
Log likelihood = -276.119  Significance = 0.159
Maximum possible likelihood = -271.037
Fit:  X-square(5) = 10.163, accepted, p = 0.0747

Run # 20, 8 cells:
Iterations:  1 2 3 4 5
Convergence at Iteration 5
Input 0.293
Group # 1 -- a: 0.551, b: 0.404
Group # 2 -- u: 0.496, n: 0.532
Group # 3 -- l: 0.630, p: 0.489
Log likelihood = -276.071  Significance = 0.167
Maximum possible likelihood = -272.551
Fit:  X-square(5) = 7.040, accepted, p = 0.2203

Cut Group # 2 with factors un

---------- Level # 2 ----------
```

```
Run # 21, 4 cells:
Iterations:  1 2 3 4
Convergence at Iteration 4
Input 0.296
Group # 3 -- l: 0.605, p: 0.491
Group # 5 -- i: 0.524, e: 0.455
Log likelihood = -278.759  Significance = 0.009
Maximum possible likelihood = -278.515
Fit:  X-square(2) = 0.490, accepted, p = 0.7836

Run # 22, 4 cells:
Iterations:  1 2 3 4
Convergence at Iteration 4
Input 0.293
Group # 1 -- a: 0.549, b: 0.408
Group # 5 -- i: 0.529, e: 0.447
Log likelihood = -276.188  Significance = 0.163
Maximum possible likelihood = -275.898
Fit:  X-square(2) = 0.580, accepted, p = 0.7500

Run # 23, 4 cells:
Iterations:  1 2 3 4
Convergence at Iteration 4
Input 0.293
Group # 1 -- a: 0.550, b: 0.407
Group # 3 -- l: 0.629, p: 0.489
Log likelihood = -276.175  Significance = 0.166
Maximum possible likelihood = -276.003
Fit:  X-square(2) = 0.343, accepted, p = 0.8439

Cut Group # 5 with factors ie

---------- Level # 1 ----------

Run # 24, 2 cells:
Iterations:  1 2 3 4
Convergence at Iteration 4
Input 0.297
Group # 3 -- l: 0.612, p: 0.491
Log likelihood = -279.595  Significance = 0.010

Run # 25, 2 cells:
Iterations:  1 2 3 4
Convergence at Iteration 4
Input 0.294
Group # 1 -- a: 0.548, b: 0.411
Log likelihood = -277.350  Significance = 0.133

Cut Group # 3 with factors lp

---------- Level # 0 ----------

Run # 26, 1 cells:
Iterations:  1 2
Convergence at Iteration 2
```

```
Input 0.297
Log likelihood = -280.489  Significance = 0.013

All remaining groups significant

Groups eliminated while stepping down:  4  2  5  3
Best stepping  up  run:  #2
Best stepping down run:  #25

Execution time:  0 min, 55.8 sec
```

"variable D.Cel"

- 27/8/56•12:49
- Token file: variable D
- Conditions: variable D.Cnd

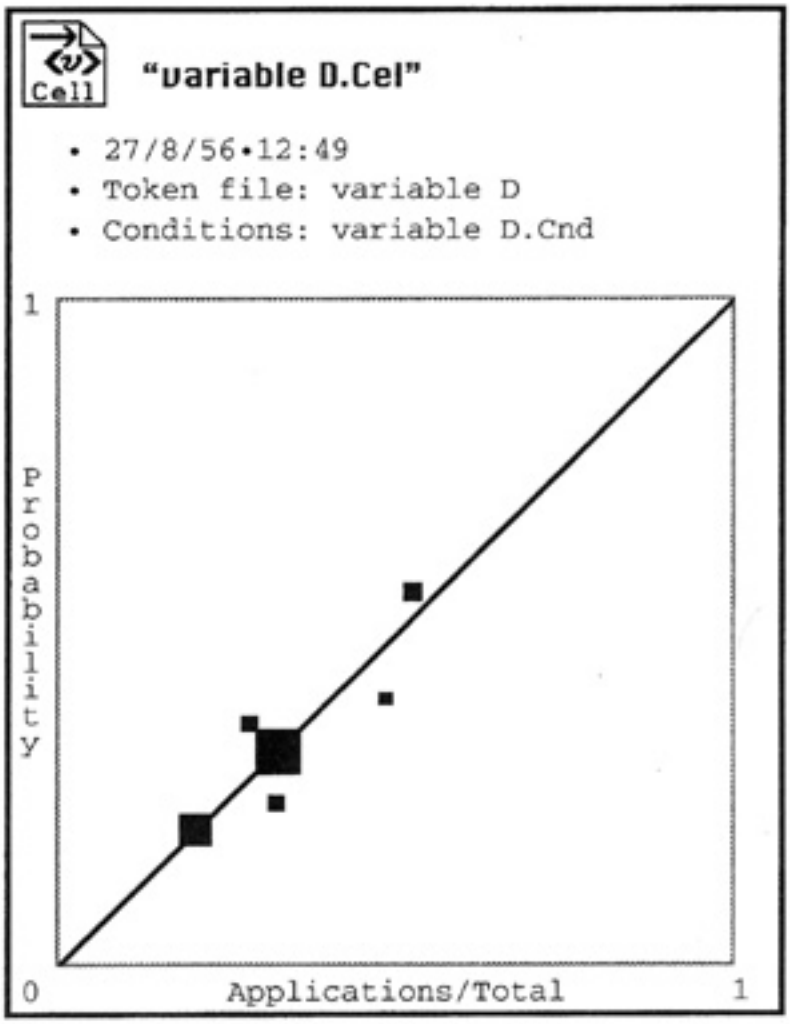
Group #1 -- horizontally.
Group #2 -- vertically.

		a	%	b	%	Σ	%
m	1	77	31	21	18	98	27
	-	168	69	96	82	264	73
Σ		245		117		362	
g	1	7	29	9	30	16	30
	-	17	71	21	70	38	70
Σ		24		30		54	
j	1	17	53	6	46	23	51
	-	15	47	7	54	22	49
Σ		32		13		45	
Σ	1	101	34	36	23	137	30
	-	200	66	124	78	324	70
Σ		301		160		461	

```
• CELL CREATION • 27/5/00•12:49 ••••••••••••••••••••••••••••••••••••
    Name of token file:  variable D
Name of condition file:  variable D.Cnd
(
(1)
(2)
(3)
)
       Number of cells:  6
  Application value(s):  1
  Total no. of factors:  5
```

Group		Apps	Non-apps	Total	%
1 (2)					
a	N	101	200	301	65
	%	34	66		
b	N	36	124	160	35
	%	23	78		
Total	N	137	324	461	
	%	30	70		
2 (3)					
m	N	98	264	362	79
	%	27	73		
g	N	16	38	54	12
	%	30	70		
j	N	23	22	45	10
	%	51	49		
Total	N	137	324	461	
	%	30	70		
TOTAL	N	137	324	461	
	%	30	70		

```
 Name of new cell file:  variable D.Cel

• CROSS TABULATION • 27/5/00•12:50 ••••••••••••••••••••••••••••••••••
•  Cell file:  variable D.Cel
• 27/5/00•12:49
• Token file: variable D
• Conditions: variable D.Cnd

Group #1 -- horizontally.
Group #2 -- vertically.

         a   %      b   %      Σ   %
    + - - - - + - - - - + - - - - -
m 1:    77  31:    21  18|    98  27
```


Cell
"variable D.Cel"
• 27/8/56•12:49
• Token file: variable D
• Conditions: variable D.Cnd
1
Probability
0
Applications/Total
1

```
• CELL CREATION • 27/5/00•12:49 ••••••••••••••••••••••••••••••••••••
    Name of token file:  variable D
Name of condition file:  variable D.Cnd
(
(1)
(2)
(3)
)
       Number of cells:  6
  Application value(s):  1
  Total no. of factors:  5
```

Group		Apps	Non-apps	Total	%
1 (2)					
a	N	101	200	301	65
	%	34	66		
b	N	36	124	160	35
	%	23	78		
Total	N	137	324	461	
	%	30	70		
2 (3)					
m	N	98	264	362	79
	%	27	73		
g	N	16	38	54	12
	%	30	70		
j	N	23	22	45	10
	%	51	49		
Total	N	137	324	461	
	%	30	70		
TOTAL	N	137	324	461	
	%	30	70		

```
 Name of new cell file:  variable D.Cel

• CROSS TABULATION • 27/5/00•12:50 ••••••••••••••••••••••••••••••••••
•  Cell file:  variable D.Cel
• 27/5/00•12:49
• Token file: variable D
• Conditions: variable D.Cnd

Group #1 -- horizontally.
Group #2 -- vertically.
```

	a	%	b	%	Σ	%
m 1:	77	31:	21	18|	98	27

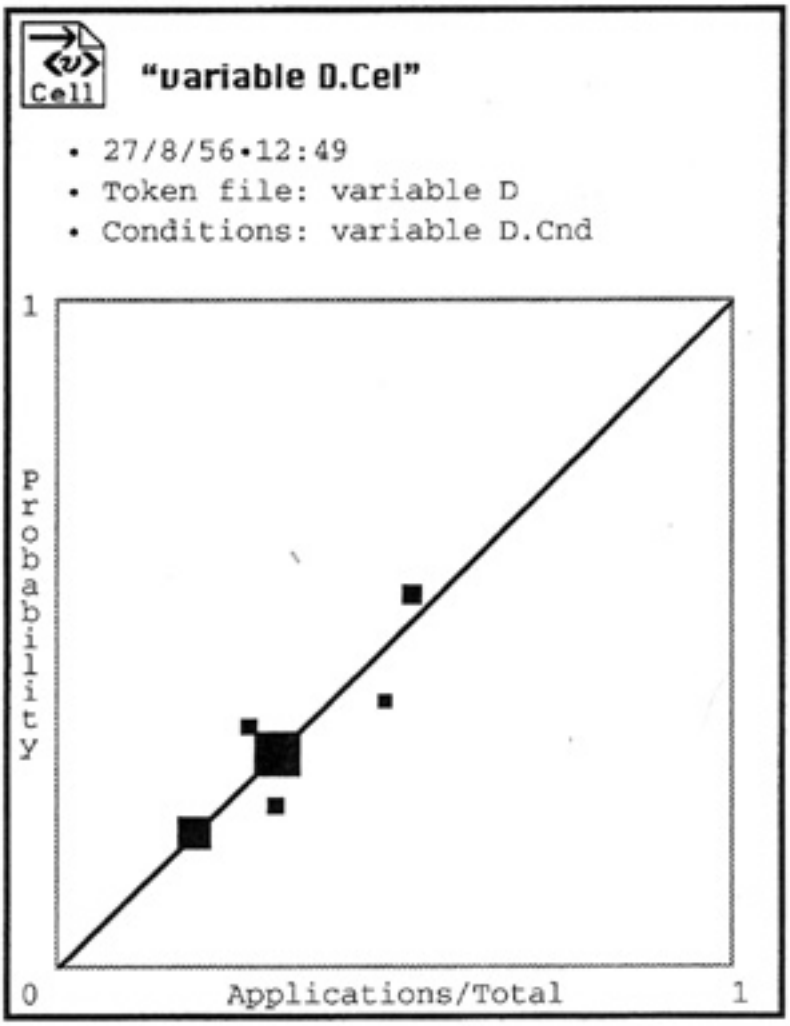
```
   -:  168  69:   96  82|  264  73
   Σ:  245    :  117    |  362
    + - - - - + - - - - + - - - -
g 1:    7  29:    9  30|   16  30
   -:   17  71:   21  70|   38  70
   Σ:   24    :   30    |   54
    + - - - - + - - - - + - - - -
j 1:   17  53:    6  46|   23  51
   -:   15  47:    7  54|   22  49
   Σ:   32    :   13    |   45
    +---------+---------+---------
Σ 1:  101  34:   36  23|  137  30
   -:  200  66:  124  78|  324  70
   Σ:  301    :  160    |  461
```

```
• BINOMIAL VARBRUL, 1 step • 27/5/00•12:50 ••••••••••••••••••••••••
Name of cell file:  variable D.Cel

Using fast, less accurate method.
Averaging by weighting factors.
One-level binomial analysis…

Run # 1, 6 cells:
Iterations:  1 2 3 4 5
Convergence at Iteration 5
Input 0.291

Group Factor Weight App/Total Input&Weight

   1:     a    0.549    0.34       0.33
          b    0.409    0.22       0.22

   2:     m    0.467    0.27       0.26
          g    0.531    0.30       0.32
          j    0.711    0.51       0.50

  Cell  Total     App'ns    Expected     Error
    bm    117        21      23.380     0.303
    bj     13         6       5.352     0.133
    bg     30         9       7.318     0.511
    am    245        77      74.641     0.107
    aj     32        17      17.634     0.051
    ag     24         7       8.674     0.506
Total Chi-square = 1.6115
 Chi-square/cell = 0.2686
Log likelihood =  -272.275
Maximum possible likelihood = -271.475
Fit:  X-square(3) = 1.600, accepted, p = 0.6626

Execution time:  0 min, 5.3 sec

• BINOMIAL VARBRUL • 27/5/00•12:50 ••••••••••••••••••••••••••••••••
Name of cell file:  variable D.Cel

Using fast, less accurate method.
```

```
Averaging by weighting factors.
Threshold, step-up/down: 0.050001

Stepping Up…

---------- Level # 0 ----------

Run # 1, 1 cells:
Iterations:  1 2
Convergence at Iteration 2
Input 0.297
Log likelihood = -280.489

---------- Level # 1 ----------

Run # 2, 2 cells:
Iterations:  1 2 3 4
Convergence at Iteration 4
Input 0.294
Group # 1 -- a: 0.548, b: 0.411
Log likelihood = -277.350  Significance = 0.013

Run # 3, 3 cells:
Iterations:  1 2 3 4 5
Convergence at Iteration 5
Input 0.294
Group # 2 -- m: 0.471, g: 0.503, j: 0.715
Log likelihood = -275.393  Significance = 0.008

Add Group # 2 with factors mgj

---------- Level # 2 ----------

Run # 4, 6 cells:
Iterations:  1 2 3 4 5
Convergence at Iteration 5
Input 0.291
Group # 1 -- a: 0.549, b: 0.409
Group # 2 -- m: 0.467, g: 0.531, j: 0.711
Log likelihood = -272.275  Significance = 0.013
Maximum possible likelihood = -271.475
Fit:  X-square(3) = 1.600, accepted, p = 0.6626

Add Group # 1 with factors ab
Best stepping up run:  #4
-------------------------------------------

Stepping Down…

---------- Level # 2 ----------

Run # 5, 6 cells:
Iterations:  1 2 3 4 5
Convergence at Iteration 5
Input 0.291
```

```
Group # 1 -- a: 0.549, b: 0.409
Group # 2 -- m: 0.467, g: 0.531, j: 0.711
Log likelihood =  -272.275
Maximum possible likelihood = -271.475
Fit:  X-square(3) = 1.600, accepted, p = 0.6626

---------- Level # 1 ----------

Run # 6, 3 cells:
Iterations:  1 2 3 4 5
Convergence at Iteration 5
Input 0.294
Group # 2 -- m: 0.471, g: 0.503, j: 0.715
Log likelihood = -275.393  Significance = 0.013

Run # 7, 2 cells:
Iterations:  1 2 3 4
Convergence at Iteration 4
Input 0.294
Group # 1 -- a: 0.548, b: 0.411
Log likelihood = -277.350  Significance = 0.008

All remaining groups significant

Groups eliminated while stepping down: None
Best stepping  up  run:  #4
Best stepping down run:  #5

Execution time:  0 min, 14.2 sec
```

Scattergram



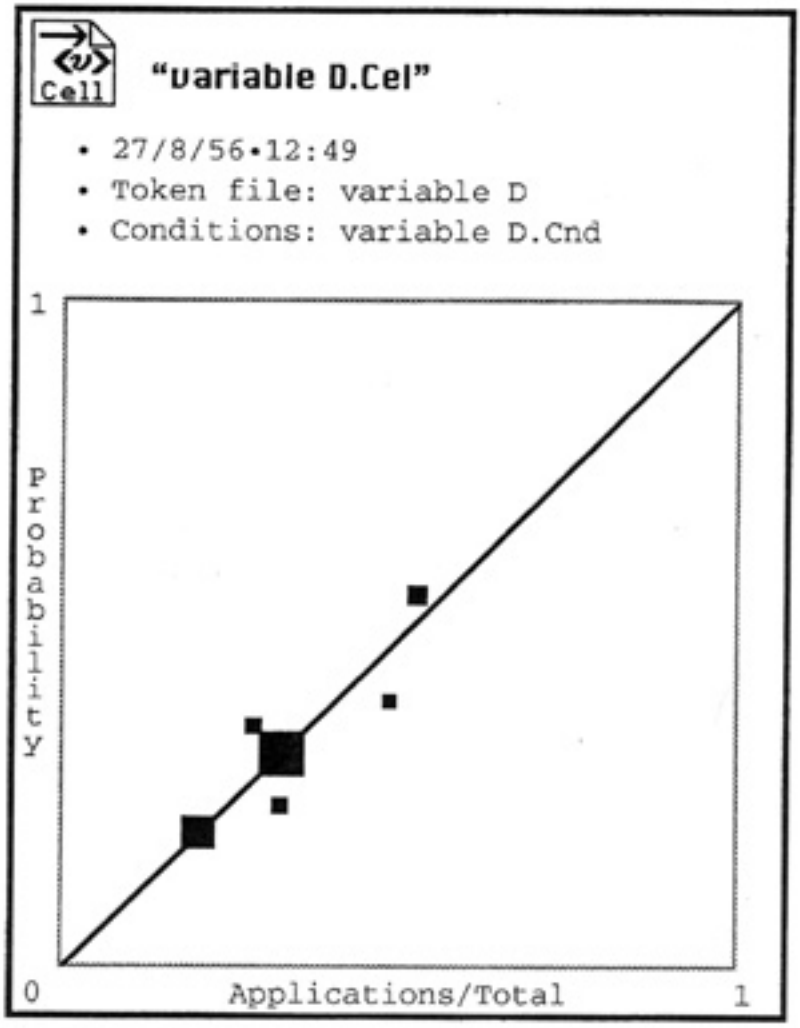
variable E.Res

```
• CELL CREATION • 7/6/00•15:37 ••••••••••••••••••••••••••••••••••••
    Name of token file:  variable E
Name of condition file:  variable E.Cnd
(
(1)
(2)
(3)
(4)
(5)
)
       Number of cells:  9
  Application value(s):  1
  Total no. of factors:  9
```

Group		Apps	Non-apps	Total	%
1 (2)					
a	N	45	18	63	77
	%	71	29		
b	N	6	13	19	23
	%	32	68		
Total	N	51	31	82	
	%	62	38		
2 (3)					
m	N	45	27	72	88
	%	63	38		
j	N	5	2	7	9
	%	71	29		
g	N	1	2	3	4
	%	33	67		
Total	N	51	31	82	
	%	62	38		
3 (4)					
u	N	50	29	79	96
	%	63	37		
n	N	1	2	3	4
	%	33	67		
Total	N	51	31	82	
	%	62	38		
4 (5)					
s	N	47	27	74	90
	%	64	36		
p	N	4	4	8	10

```
        %      50      50

 Total N      51      31      82
       %      62      38
----------------------------------
 TOTAL N      51      31      82
       %      62      38

 Name of new cell file:  variable E.Cel

• CROSS TABULATION • 7/6/00•16:29 ••••••••••••••••••••••••••••••••••••
•  Cell file:  variable E.Cel
• 7/6/00•16:28
• Token file: variable E
• Conditions: variable E.Cnd

Group #1 -- horizontally.
Group #2 -- vertically.

        a    %     b    %      Σ    %
   + - - - - + - - - - + - - - -
m 1:   39  70:     6  38|    45  63
  -:   17  30:    10  63|    27  38
  Σ:   56    :    16    |    72
   + - - - - + - - - - + - - - -
j 1:    5  83:     0   0|     5  71
  -:    1  17:     1 100|     2  29
  Σ:    6    :     1    |     7
   + - - - - + - - - - + - - - -
g 1:    1 100:     0   0|     1  33
  -:    0   0:     2 100|     2  67
  Σ:    1    :     2    |     3
   +---------+---------+--------
Σ 1:   45  71:     6  32|    51  62
  -:   18  29:    13  68|    31  38
  Σ:   63    :    19    |    82

• CROSS TABULATION • 7/6/00•16:29 ••••••••••••••••••••••••••••••••••••
•  Cell file:  variable E.Cel
• 7/6/00•16:28
• Token file: variable E
• Conditions: variable E.Cnd

Group #1 -- horizontally.
Group #3 -- vertically.

        a    %     b    %      Σ    %
   + - - - - + - - - - + - - - -
u 1:   44  71:     6  35|    50  63
  -:   18  29:    11  65|    29  37
  Σ:   62    :    17    |    79
   + - - - - + - - - - + - - - -
n 1:    1 100:     0   0|     1  33
  -:    0   0:     2 100|     2  67
  Σ:    1    :     2    |     3
```

Scattergram



```
    +--------+--------+--------
Σ 1:    45  71:     6  32|    51  62
  -:    18  29:    13  68|    31  38
  Σ:    63     :    19     |    82
```

• CROSS TABULATION • 7/6/00•16:29 ••••••••••••••••••••••••••••••••••
• Cell file: variable E.Cel
• 7/6/00•16:28
• Token file: variable E
• Conditions: variable E.Cnd

Group #1 -- horizontally.
Group #4 -- vertically.

```
          a   %      b   %      Σ   %
    + - - - - + - - - - + - - - -
s 1:    41  73:     6  33|    47  64
  -:    15  27:    12  67|    27  36
  Σ:    56     :    18     |    74
    + - - - - + - - - - + - - - -
p 1:     4  57:     0   0|     4  50
  -:     3  43:     1 100|     4  50
  Σ:     7     :     1     |     8
    +--------+--------+--------
Σ 1:    45  71:     6  32|    51  62
  -:    18  29:    13  68|    31  38
  Σ:    63     :    19     |    82
```

• CROSS TABULATION • 7/6/00•16:29 ••••••••••••••••••••••••••••••••••
• Cell file: variable E.Cel
• 7/6/00•16:28
• Token file: variable E
• Conditions: variable E.Cnd

Group #2 -- horizontally.
Group #3 -- vertically.

```
          m   %      j   %      g   %      Σ   %
    + - - - - + - - - - + - - - - + - - - -
u 1:    45  63:     5  71:     0  --|    50  63
  -:    27  38:     2  29:     0  --|    29  37
  Σ:    72     :     7     :     0     |    79
    + - - - - + - - - - + - - - - + - - - -
n 1:     0  --:     0  --:     1  33|     1  33
  -:     0  --:     0  --:     2  67|     2  67
  Σ:     0     :     0     :     3     |     3
    +--------+--------+--------+--------
Σ 1:    45  63:     5  71:     1  33|    51  62
  -:    27  38:     2  29:     2  67|    31  38
  Σ:    72     :     7     :     3     |    82
```

• CROSS TABULATION • 7/6/00•16:29 ••••••••••••••••••••••••••••••••••
• Cell file: variable E.Cel
• 7/6/00•16:28
• Token file: variable E

• Conditions: variable E.Cnd

Group #2 -- horizontally.
Group #4 -- vertically.

		m	%	j	%	g	%	Σ	%
s	1:	41	63:	5	83:	1	33	47	64
	-:	24	37:	1	17:	2	67	27	36
	Σ:	65	:	6	:	3		74	
p	1:	4	57:	0	0:	0	--	4	50
	-:	3	43:	1	100:	0	--	4	50
	Σ:	7	:	1	:	0		8	
Σ	1:	45	63:	5	71:	1	33	51	62
	-:	27	38:	2	29:	2	67	31	38
	Σ:	72	:	7	:	3		82	

• CROSS TABULATION • 7/6/00•16:29 ••••••••••••••••••••••••••••••••
• Cell file: variable E.Cel
• 7/6/00•16:28
• Token file: variable E
• Conditions: variable E.Cnd

Group #3 -- horizontally.
Group #4 -- vertically.

		u	%	n	%	Σ	%
s	1:	46	65:	1	33	47	64
	-:	25	35:	2	67	27	36
	Σ:	71	:	3		74	
p	1:	4	50:	0	--	4	50
	-:	4	50:	0	--	4	50
	Σ:	8	:	0		8	
Σ	1:	50	63:	1	33	51	62
	-:	29	37:	2	67	31	38
	Σ:	79	:	3		82	

Cross Tabulation

Cell **"variable E.Cel"**

- 27/8/56•16:28
- Token file: variable E
- Conditions: variable E.Cnd

Group #1 -- horizontally.
Group #2 -- vertically.

		a	%	b	%	Σ	%
m	1	39	70	6	38	45	63
	-	17	30	10	63	27	38
Σ		56		16		72	
j	1	5	83	0	0	5	71
	-	1	17	1	100	2	29
Σ		6		1		7	
g	1	1	100	0	0	1	33
	-	0	0	2	100	2	67
Σ		1		2		3	
Σ	1	45	71	6	32	51	62
	-	18	29	13	68	31	38
Σ		63		19		82	

Cross Tabulation

"variable E.Cel"

- 27/8/56•16:28
- Token file: variable E
- Conditions: variable E.Cnd

Group #1 -- horizontally.
Group #3 -- vertically.

		a	%	b	%	Σ	%
u	1	44	71	6	35	50	63
	-	18	29	11	65	29	37
Σ		62		17		79	
n	1	1	100	0	0	1	33
	-	0	0	2	100	2	67
Σ		1		2		3	
Σ	1	45	71	6	32	51	62
	-	18	29	13	68	31	38
Σ		63		19		82	

Cross Tabulation

Cell **"variable E.Cel"**

- 27/8/56•16:28
- Token file: variable E
- Conditions: variable E.Cnd

Group #1 -- horizontally.
Group #4 -- vertically.

		a	%	b	%	Σ	%
s	1	41	73	6	33	47	64
	-	15	27	12	67	27	36
Σ		56		18		74	
p	1	4	57	0	0	4	50
	-	3	43	1	100	4	50
Σ		7		1		8	
Σ	1	45	71	6	32	51	62
	-	18	29	13	68	31	38
Σ		63		19		82	

Cross Tabulation

"variable E.Cel"

- 27/8/56•16:28
- Token file: variable E
- Conditions: variable E.Cnd

Group #2 -- horizontally.
Group #3 -- vertically.

		m	%	j	%	g	%	Σ	%
u	1	45	63	5	71	0	--	50	63
	-	27	38	2	29	0	--	29	37
Σ		72		7		0		79	
n	1	0	--	0	--	1	33	1	33
	-	0	--	0	--	2	67	2	67
Σ		0		0		3		3	
Σ	1	45	63	5	71	1	33	51	62
	-	27	38	2	29	2	67	31	38
Σ		72		7		3		82	

Cross Tabulation

"variable E.Cel"

- 27/8/56•16:28
- Token file: variable E
- Conditions: variable E.Cnd

Group #2 -- horizontally.
Group #4 -- vertically.

		m	%	j	%	g	%	Σ	%
s	1	41	63	5	83	1	33	47	64
	-	24	37	1	17	2	67	27	36
Σ		65		6		3		74	
p	1	4	57	0	0	0	--	4	50
	-	3	43	1	100	0	--	4	50
Σ		7		1		0		8	
Σ	1	45	63	5	71	1	33	51	62
	-	27	38	2	29	2	67	31	38
Σ		72		7		3		82	

Cross Tabulation

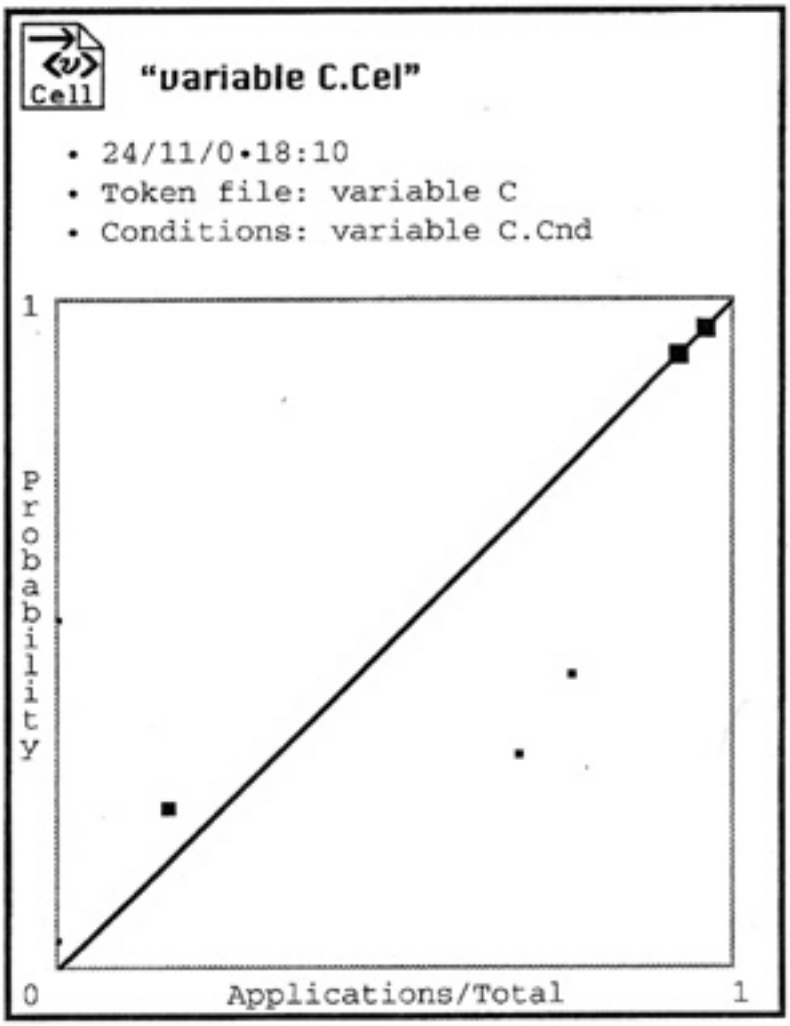
"variable E.Cel"

- 27/8/56•16:28
- Token file: variable E
- Conditions: variable E.Cnd

Group #3 -- horizontally.
Group #4 -- vertically.

		u	%	n	%	Σ	%
s	1	46	65	1	33	47	64
	-	25	35	2	67	27	36
Σ		71		3		74	
p	1	4	50	0	--	4	50
	-	4	50	0	--	4	50
Σ		8		0		8	
Σ	1	50	63	1	33	51	62
	-	29	37	2	67	31	38
Σ		79		3		82	

Scattergram



ÍNDEX