

Discriminante

Resumen del procesamiento para el análisis de casos

| Casos no ponderados | | N | Porcentaje |
|---------------------|---|-----|------------|
| Válidos | | 150 | 100,0 |
| Excluidos | Códigos de grupo perdidos o fuera de rango | 0 | ,0 |
| | Perdida al menos una variable discriminante | 0 | ,0 |
| | Perdidos o fuera de rango ambos, el código de grupo y al menos una de las variables discriminantes. | 0 | ,0 |
| | Total excluidos | 0 | ,0 |
| Casos Totales | | 150 | 100,0 |

Estadísticos de grupo

| Cliente propio... | | Media | Desv. típ. | N válido (según lista) | |
|-------------------|---------------|-------|------------|------------------------|------------|
| | | | | No ponderados | Ponderados |
| no | Trato | 3,76 | 1,71 | 100 | 100,000 |
| | Rapidez | 3,54 | 1,46 | 100 | 100,000 |
| | Información | 3,55 | 1,49 | 100 | 100,000 |
| | Errores | 3,71 | 1,55 | 100 | 100,000 |
| | Ambiente | 4,65 | 1,72 | 100 | 100,000 |
| | Oferta | 4,25 | 1,67 | 100 | 100,000 |
| | Oficinas | 5,52 | 1,43 | 100 | 100,000 |
| | Comisiones | 5,48 | 1,64 | 100 | 100,000 |
| | Depósitos | 5,47 | 1,53 | 100 | 100,000 |
| | Créditos | 5,44 | 1,51 | 100 | 100,000 |
| | Mantenimiento | 5,25 | 1,65 | 100 | 100,000 |
| sí | Trato | 6,48 | 1,34 | 50 | 50,000 |
| | Rapidez | 6,34 | 1,27 | 50 | 50,000 |
| | Información | 6,30 | 1,28 | 50 | 50,000 |
| | Errores | 6,24 | 1,12 | 50 | 50,000 |
| | Ambiente | 4,32 | 1,57 | 50 | 50,000 |
| | Oferta | 4,46 | 1,80 | 50 | 50,000 |
| | Oficinas | 2,46 | 1,39 | 50 | 50,000 |
| | Comisiones | 2,88 | 1,33 | 50 | 50,000 |
| | Depósitos | 3,08 | 1,43 | 50 | 50,000 |
| | Créditos | 2,66 | 1,36 | 50 | 50,000 |
| | Mantenimiento | 2,54 | 1,31 | 50 | 50,000 |
| Total | Trato | 4,67 | 2,05 | 150 | 150,000 |
| | Rapidez | 4,47 | 1,92 | 150 | 150,000 |
| | Información | 4,47 | 1,93 | 150 | 150,000 |
| | Errores | 4,55 | 1,85 | 150 | 150,000 |
| | Ambiente | 4,54 | 1,67 | 150 | 150,000 |
| | Oferta | 4,32 | 1,71 | 150 | 150,000 |
| | Oficinas | 4,50 | 2,02 | 150 | 150,000 |
| | Comisiones | 4,61 | 1,97 | 150 | 150,000 |
| | Depósitos | 4,67 | 1,87 | 150 | 150,000 |
| | Créditos | 4,51 | 1,97 | 150 | 150,000 |
| | Mantenimiento | 4,35 | 2,00 | 150 | 150,000 |

Pruebas de igualdad de las medias de los grupos

| | Lambda de Wilks | F | gl1 | gl2 | Sig. |
|---------------|-----------------|---------|-----|-----|------|
| Trato | ,606 | 96,374 | 1 | 148 | ,000 |
| Rapidez | ,526 | 133,343 | 1 | 148 | ,000 |
| Información | ,544 | 123,845 | 1 | 148 | ,000 |
| Errores | ,583 | 106,069 | 1 | 148 | ,000 |
| Ambiente | ,991 | 1,299 | 1 | 148 | ,256 |
| Oferta | ,997 | ,500 | 1 | 148 | ,481 |
| Oficinas | ,488 | 155,336 | 1 | 148 | ,000 |
| Comisiones | ,610 | 94,678 | 1 | 148 | ,000 |
| Depósitos | ,636 | 84,728 | 1 | 148 | ,000 |
| Créditos | ,552 | 119,948 | 1 | 148 | ,000 |
| Mantenimiento | ,591 | 102,588 | 1 | 148 | ,000 |

Análisis 1

Prueba de Box sobre la igualdad de las matrices de covarianza

Logaritmo de los determinantes

| Cliente propio... | Rango | Logaritmo del determinante |
|------------------------|-------|----------------------------|
| no | 5 | 2,853 |
| sí | 5 | 1,598 |
| Intra-grupos combinada | 5 | 2,681 |

Los rangos y logaritmos naturales de los determinantes impresos son los de las matrices de covarianza de los grupos.

Resultados de la prueba

| | | |
|----------|--------|-----------|
| M de Box | | 36,015 |
| F | Aprox. | 2,299 |
| | gl1 | 15 |
| | gl2 | 40127,772 |
| | Sig. | ,003 |

Contrasta la hipótesis nula de que las matrices de covarianza poblacionales son iguales.

Estadísticos por pasos

Variables introducidas/eliminadas^{a,b,c,d}

| Paso | Introducidas | Lambda de Wilks | | | | | | | |
|------|---------------|-----------------|-----|-----|---------|-------------|-----|---------|------|
| | | Estadístico | gl1 | gl2 | gl3 | F exacta | | | |
| | | | | | | Estadístico | gl1 | gl2 | Sig. |
| 1 | Oficinas | ,488 | 1 | 1 | 148,000 | 155,336 | 1 | 148,000 | ,000 |
| 2 | Créditos | ,327 | 2 | 1 | 148,000 | 151,415 | 2 | 147,000 | ,000 |
| 3 | Rapidez | ,286 | 3 | 1 | 148,000 | 121,399 | 3 | 146,000 | ,000 |
| 4 | Mantenimiento | ,265 | 4 | 1 | 148,000 | 100,798 | 4 | 145,000 | ,000 |
| 5 | Errores | ,247 | 5 | 1 | 148,000 | 87,813 | 5 | 144,000 | ,000 |

En cada paso se introduce la variable que minimiza la lambda de Wilks global.

- a. El número máximo de pasos es 22.
- b. La F parcial mínima para entrar es 3.84.
- c. La F parcial máxima para eliminar es 2.71

Variables introducidas/eliminadas^{a,b,c,d}

En cada paso se introduce la variable que minimiza la lambda de Wilks global.

d. El nivel de F, la tolerancia o el VIN son insuficientes para continuar los cálculos.

Variables en el análisis

| Paso | | Tolerancia | F para eliminar | Lambda de Wilks |
|------|---------------|------------|-----------------|-----------------|
| 1 | Oficinas | 1,000 | 155,336 | |
| 2 | Oficinas | ,990 | 101,462 | ,552 |
| | Créditos | ,990 | 72,476 | ,488 |
| 3 | Oficinas | ,736 | 18,678 | ,323 |
| | Créditos | ,966 | 76,555 | ,436 |
| | Rapidez | ,718 | 20,727 | ,327 |
| 4 | Oficinas | ,735 | 18,315 | ,298 |
| | Créditos | ,707 | 18,961 | ,299 |
| | Rapidez | ,716 | 20,444 | ,302 |
| | Mantenimiento | ,712 | 11,873 | ,286 |
| 5 | Oficinas | ,696 | 10,117 | ,264 |
| | Créditos | ,707 | 18,351 | ,278 |
| | Rapidez | ,646 | 8,944 | ,262 |
| | Mantenimiento | ,699 | 14,005 | ,271 |
| | Errores | ,711 | 10,224 | ,265 |

Variables no incluidas en el análisis

| Paso | | Tolerancia | Tolerancia mín. | F para introducir | Lambda de Wilks |
|------|---------------|------------|-----------------|-------------------|-----------------|
| 0 | Trato | 1,000 | 1,000 | 96,374 | ,606 |
| | Rapidez | 1,000 | 1,000 | 133,343 | ,526 |
| | Información | 1,000 | 1,000 | 123,845 | ,544 |
| | Errores | 1,000 | 1,000 | 106,069 | ,583 |
| | Ambiente | 1,000 | 1,000 | 1,299 | ,991 |
| | Oferta | 1,000 | 1,000 | ,500 | ,997 |
| | Oficinas | 1,000 | 1,000 | 155,336 | ,488 |
| | Comisiones | 1,000 | 1,000 | 94,678 | ,610 |
| | Depósitos | 1,000 | 1,000 | 84,728 | ,636 |
| | Créditos | 1,000 | 1,000 | 119,948 | ,552 |
| | Mantenimiento | 1,000 | 1,000 | 102,588 | ,591 |
| 1 | Trato | ,777 | ,777 | 9,628 | ,458 |
| | Rapidez | ,736 | ,736 | 17,421 | ,436 |
| | Información | ,702 | ,702 | 12,893 | ,449 |
| | Errores | ,825 | ,825 | 15,196 | ,442 |
| | Ambiente | ,997 | ,997 | 1,675 | ,482 |
| | Oferta | ,986 | ,986 | ,290 | ,487 |
| | Comisiones | ,641 | ,641 | 3,884 | ,475 |
| | Depósitos | ,644 | ,644 | 2,346 | ,480 |
| | Créditos | ,990 | ,990 | 72,476 | ,327 |
| | Mantenimiento | ,987 | ,987 | 65,722 | ,337 |
| 2 | Trato | ,755 | ,755 | 13,985 | ,298 |
| | Rapidez | ,718 | ,718 | 20,727 | ,286 |
| | Información | ,701 | ,698 | 9,616 | ,307 |
| | Errores | ,804 | ,804 | 18,835 | ,289 |
| | Ambiente | ,987 | ,980 | 3,105 | ,320 |
| | Oferta | ,985 | ,977 | ,034 | ,327 |
| | Comisiones | ,627 | ,627 | 7,113 | ,312 |
| | Depósitos | ,643 | ,641 | 2,092 | ,322 |
| | Mantenimiento | ,713 | ,713 | 12,090 | ,302 |
| 3 | Trato | ,699 | ,664 | 5,846 | ,275 |
| | Información | ,672 | ,605 | 4,311 | ,278 |
| | Errores | ,724 | ,646 | 8,119 | ,271 |
| | Ambiente | ,987 | ,718 | 2,697 | ,281 |
| | Oferta | ,961 | ,700 | ,248 | ,286 |
| | Comisiones | ,546 | ,546 | 1,048 | ,284 |
| | Depósitos | ,569 | ,569 | ,009 | ,286 |
| | Mantenimiento | ,712 | ,707 | 11,873 | ,265 |
| 4 | Trato | ,694 | ,664 | 6,769 | ,253 |
| | Información | ,670 | ,605 | 4,890 | ,256 |
| | Errores | ,711 | ,646 | 10,224 | ,247 |
| | Ambiente | ,985 | ,699 | 2,028 | ,261 |
| | Oferta | ,958 | ,698 | ,436 | ,264 |
| | Comisiones | ,545 | ,545 | 1,067 | ,263 |
| | Depósitos | ,555 | ,555 | ,190 | ,264 |
| 5 | Trato | ,628 | ,626 | 2,684 | ,242 |
| | Información | ,619 | ,599 | 1,780 | ,244 |
| | Ambiente | ,982 | ,646 | 2,339 | ,243 |
| | Oferta | ,954 | ,634 | ,685 | ,246 |
| | Comisiones | ,530 | ,530 | ,229 | ,247 |
| | Depósitos | ,522 | ,522 | ,116 | ,247 |

Lambda de Wilks

| Paso | Número de variables | Lambda | gl1 | gl2 | gl3 | F exacta | | | |
|------|---------------------|--------|-----|-----|-----|-------------|-----|---------|-----------|
| | | | | | | Estadístico | gl1 | gl2 | Sig. |
| 1 | 1 | ,488 | 1 | 1 | 148 | 155,336 | 1 | 148,000 | 1,615E-19 |
| 2 | 2 | ,327 | 2 | 1 | 148 | 151,415 | 2 | 147,000 | ,000 |
| 3 | 3 | ,286 | 3 | 1 | 148 | 121,399 | 3 | 146,000 | 1,750E-39 |
| 4 | 4 | ,265 | 4 | 1 | 148 | 100,798 | 4 | 145,000 | 7,135E-41 |
| 5 | 5 | ,247 | 5 | 1 | 148 | 87,813 | 5 | 144,000 | 5,782E-42 |

Resumen de las funciones canónicas discriminantes

Autovalores

| Función | Autovalor | % de varianza | % acumulado | Correlación canónica |
|---------|--------------------|---------------|-------------|----------------------|
| 1 | 3,049 ^a | 100,0 | 100,0 | ,868 |

a. Se han empleado las 1 primeras funciones discriminantes canónicas en el análisis.

Lambda de Wilks

| Contraste de las funciones | Lambda de Wilks | Chi-cuadrado | gl | Sig. |
|----------------------------|-----------------|--------------|----|------|
| 1 | ,247 | 203,480 | 5 | ,000 |

Coeficientes estandarizados de las funciones discriminantes canónicas

| | Función |
|---------------|---------|
| | 1 |
| Rapidez | -,347 |
| Errores | -,352 |
| Oficinas | ,354 |
| Créditos | ,461 |
| Mantenimiento | ,410 |

Matriz de estructura

| | Función |
|--------------------------|---------|
| | 1 |
| Oficinas | ,587 |
| Rapidez | -,544 |
| Créditos | ,516 |
| Errores | -,485 |
| Mantenimiento | ,477 |
| Depósitos ^a | ,457 |
| Comisiones ^a | ,424 |
| Información ^a | -,423 |
| Trato ^a | -,337 |
| Ambiente ^a | -,092 |
| Oferta ^a | ,045 |

Correlaciones intra-grupo combinadas entre las variables discriminantes y las funciones discriminantes canónicas tipificadas

Variables ordenadas por el tamaño de la correlación con la función.

a. Esta variable no se emplea en el análisis.

Coeficientes de las funciones canónicas discriminantes

| | Función |
|---------------|---------|
| | 1 |
| Rapidez | -,248 |
| Errores | -,248 |
| Oficinas | ,250 |
| Créditos | ,315 |
| Mantenimiento | ,266 |
| (Constante) | -1,460 |

Coeficientes no tipificados

Funciones en los centroides de los grupos

| Cliente propio... | Función |
|-------------------|---------|
| | 1 |
| no | 1,226 |
| sí | -2,453 |

Funciones discriminantes canónicas no tipificadas evaluadas en las medias de los grupos

Estadísticos de clasificación

Probabilidades previas para los grupos

| Cliente propio... | Previas | Casos utilizados en el análisis | |
|-------------------|---------|---------------------------------|------------|
| | | No ponderados | Ponderados |
| no | ,667 | 100 | 100,000 |
| sí | ,333 | 50 | 50,000 |
| Total | 1,000 | 150 | 150,000 |

Coeficientes de la función de clasificación

| | Cliente propio... | |
|---------------|-------------------|---------|
| | no | sí |
| Rapidez | 3,185 | 4,097 |
| Errores | 2,098 | 3,011 |
| Oficinas | 5,533 | 4,615 |
| Créditos | 1,494 | ,336 |
| Mantenimiento | 1,117 | ,139 |
| (Constante) | -32,200 | -29,779 |

Funciones discriminantes lineales de Fisher

Análisis 1

Estadísticos de clasificación

Estadísticos por casos

| Original | Número de casos | Grupo real | Grupo mayor | | | | | Segundo grupo mayor | | | Puntuacion es discriminan tes |
|----------|-----------------|------------|--------------------|--------------|----|--------------|---|---------------------|--------------|---|-------------------------------|
| | | | Grupo pronosticado | P(D>d G=g) | | P(G=g D=d) | Distancia de Mahalanobis al cuadrado hasta el centroide | Grupo | P(G=g D=d) | Distancia de Mahalanobis al cuadrado hasta el centroide | |
| | | | | p | gl | | | | | | |
| | | | | | | | | | | | |
| 1 | 1 | 1 | 1 | ,782 | 1 | ,994 | ,077 | 0 | ,006 | 11,576 | -2,176 |
| 2 | 1 | 1 | 1 | ,615 | 1 | 1,000 | ,253 | 0 | ,000 | 17,496 | -2,956 |
| 3 | 1 | 1 | 1 | ,424 | 1 | 1,000 | ,640 | 0 | ,000 | 20,064 | -3,253 |
| 4 | 1 | 1 | 1 | ,812 | 1 | ,999 | ,057 | 0 | ,001 | 15,344 | -2,691 |
| 5 | 1 | 1 | 1 | ,412 | 1 | ,955 | ,674 | 0 | ,045 | 8,172 | -1,632 |
| 6 | 1 | 1 | 1 | ,942 | 1 | ,998 | ,005 | 0 | ,002 | 14,076 | -2,525 |
| 7 | 1 | 1 | 1 | ,662 | 1 | 1,000 | ,191 | 0 | ,000 | 16,945 | -2,890 |
| 8 | 1 | 1 | 1 | ,953 | 1 | ,998 | ,003 | 0 | ,002 | 13,970 | -2,511 |
| 9 | 1 | 1 | 1 | ,581 | 1 | 1,000 | ,305 | 0 | ,000 | 17,907 | -3,005 |
| 10 | 1 | 1 | 1 | ,798 | 1 | ,999 | ,065 | 0 | ,001 | 15,485 | -2,709 |
| 11 | 1 | 1 | 1 | ,797 | 1 | ,994 | ,066 | 0 | ,006 | 11,715 | -2,196 |
| 12 | 1 | 1 | 1 | ,851 | 1 | ,999 | ,035 | 0 | ,001 | 14,952 | -2,640 |
| 13 | 1 | 1 | 1 | ,414 | 1 | 1,000 | ,666 | 0 | ,000 | 20,209 | -3,269 |
| 14 | 1 | 1 | 1 | ,568 | 1 | ,982 | ,327 | 0 | ,018 | 9,658 | -1,881 |
| 15 | 1 | 1 | 1 | ,177 | 1 | 1,000 | 1,819 | 0 | ,000 | 25,282 | -3,802 |
| 16 | 1 | 1 | 1 | ,993 | 1 | ,998 | ,000 | 0 | ,002 | 13,475 | -2,444 |
| 17 | 1 | 1 | 1 | ,992 | 1 | ,998 | ,000 | 0 | ,002 | 13,461 | -2,443 |
| 18 | 1 | 1 | 1 | ,250 | 1 | 1,000 | 1,326 | 0 | ,000 | 23,336 | -3,604 |
| 19 | 1 | 1 | 1 | ,613 | 1 | ,985 | ,256 | 0 | ,015 | 10,072 | -1,947 |
| 20 | 1 | 1 | 1 | ,830 | 1 | ,995 | ,046 | 0 | ,005 | 12,005 | -2,238 |
| 21 | 1 | 1 | 1 | ,916 | 1 | ,998 | ,011 | 0 | ,002 | 14,320 | -2,558 |
| 22 | 1 | 1 | 1 | ,886 | 1 | ,996 | ,021 | 0 | ,004 | 12,500 | -2,309 |
| 23 | 1 | 1 | 1 | ,558 | 1 | 1,000 | ,343 | 0 | ,000 | 18,192 | -3,039 |
| 24 | 1 | 1 | 1 | ,762 | 1 | ,999 | ,092 | 0 | ,001 | 15,860 | -2,756 |
| 25 | 1 | 1 | 1 | ,157 | 1 | 1,000 | 2,005 | 0 | ,000 | 25,963 | -3,869 |
| 26 | 1 | 1 | 1 | ,699 | 1 | ,999 | ,150 | 0 | ,001 | 16,535 | -2,840 |
| 27 | 1 | 1 | 1 | ,850 | 1 | ,999 | ,036 | 0 | ,001 | 14,963 | -2,642 |
| 28 | 1 | 1 | 1 | ,451 | 1 | 1,000 | ,569 | 0 | ,000 | 19,659 | -3,207 |
| 29 | 1 | 1 | 1 | ,786 | 1 | ,999 | ,074 | 0 | ,001 | 15,611 | -2,725 |
| 30 | 1 | 1 | 1 | ,848 | 1 | ,995 | ,037 | 0 | ,005 | 12,167 | -2,262 |
| 31 | 1 | 1 | 1 | ,819 | 1 | ,995 | ,052 | 0 | ,005 | 11,908 | -2,224 |
| 32 | 1 | 1 | 1 | ,403 | 1 | 1,000 | ,698 | 0 | ,000 | 20,383 | -3,288 |
| 33 | 1 | 1 | 1 | ,826 | 1 | ,999 | ,048 | 0 | ,001 | 15,204 | -2,673 |
| 34 | 1 | 1 | 1 | ,570 | 1 | 1,000 | ,323 | 0 | ,000 | 18,047 | -3,022 |
| 35 | 1 | 1 | 1 | ,568 | 1 | 1,000 | ,326 | 0 | ,000 | 18,068 | -3,024 |
| 36 | 1 | 1 | 1 | ,761 | 1 | ,999 | ,093 | 0 | ,001 | 15,872 | -2,757 |
| 37 | 1 | 1 | 1 | ,941 | 1 | ,998 | ,006 | 0 | ,002 | 14,091 | -2,527 |
| 38 | 1 | 1 | 1 | ,686 | 1 | ,999 | ,164 | 0 | ,001 | 16,678 | -2,857 |
| 39 | 1 | 1 | 1 | ,568 | 1 | 1,000 | ,326 | 0 | ,000 | 18,068 | -3,024 |
| 40 | 1 | 1 | 1 | ,762 | 1 | ,999 | ,092 | 0 | ,001 | 15,857 | -2,756 |
| 41 | 1 | 1 | 1 | ,994 | 1 | ,998 | ,000 | 0 | ,002 | 13,594 | -2,460 |
| 42 | 1 | 1 | 1 | ,736 | 1 | ,999 | ,113 | 0 | ,001 | 16,129 | -2,790 |
| 43 | 1 | 1 | 1 | ,864 | 1 | ,999 | ,029 | 0 | ,001 | 14,828 | -2,624 |
| 44 | 1 | 1 | 1 | ,610 | 1 | ,985 | ,260 | 0 | ,015 | 10,048 | -1,943 |
| 45 | 1 | 1 | 1 | ,188 | 1 | 1,000 | 1,734 | 0 | ,000 | 24,960 | -3,770 |
| 46 | 1 | 1 | 1 | ,243 | 1 | 1,000 | 1,364 | 0 | ,000 | 23,496 | -3,621 |
| 47 | 1 | 0** | 0** | ,957 | 1 | ,999 | ,003 | 1 | ,001 | 13,141 | 1,172 |
| 48 | 1 | 0** | 0** | ,901 | 1 | ,999 | ,016 | 1 | ,001 | 12,634 | 1,101 |
| 49 | 1 | 0** | 0** | ,723 | 1 | ,998 | ,125 | 1 | ,002 | 11,057 | ,872 |
| 50 | 1 | 0** | 0** | ,524 | 1 | ,994 | ,406 | 1 | ,006 | 9,254 | ,589 |
| 51 | 0 | 1** | 1** | ,421 | 1 | ,958 | ,648 | 0 | ,042 | 8,264 | -1,648 |
| 52 | 0 | 1** | 1** | ,795 | 1 | ,994 | ,067 | 0 | ,006 | 11,695 | -2,193 |
| 53 | 0 | 0 | 0 | ,969 | 1 | ,999 | ,002 | 1 | ,001 | 13,254 | 1,188 |
| 54 | 0 | 0 | 0 | ,673 | 1 | ,997 | ,178 | 1 | ,003 | 10,610 | ,804 |
| 55 | 0 | 0 | 0 | ,674 | 1 | ,997 | ,177 | 1 | ,003 | 10,620 | ,806 |
| 56 | 0 | 0 | 0 | ,237 | 1 | ,957 | 1,400 | 1 | ,043 | 6,232 | ,043 |
| 57 | 0 | 0 | 0 | ,940 | 1 | 1,000 | ,006 | 1 | ,000 | 14,101 | 1,302 |
| 58 | 0 | 0 | 0 | ,524 | 1 | 1,000 | ,407 | 1 | ,000 | 18,639 | 1,864 |
| 59 | 0 | 0 | 0 | ,889 | 1 | ,999 | ,019 | 1 | ,001 | 12,533 | 1,087 |
| 60 | 0 | 0 | 0 | ,350 | 1 | ,982 | ,872 | 1 | ,018 | 7,538 | ,293 |
| 61 | 0 | 0 | 0 | ,493 | 1 | ,993 | ,470 | 1 | ,007 | 8,964 | ,541 |
| 62 | 0 | 0 | 0 | ,847 | 1 | 1,000 | ,037 | 1 | ,000 | 14,994 | 1,419 |
| 63 | 0 | 0 | 0 | ,812 | 1 | ,999 | ,057 | 1 | ,001 | 11,841 | ,988 |
| 64 | 0 | 0 | 0 | ,902 | 1 | ,999 | ,015 | 1 | ,001 | 12,644 | 1,103 |
| 65 | 0 | 0 | 0 | ,914 | 1 | 1,000 | ,012 | 1 | ,000 | 14,345 | 1,335 |
| 66 | 0 | 0 | 0 | ,887 | 1 | 1,000 | ,020 | 1 | ,000 | 14,604 | 1,369 |
| 67 | 0 | 0 | 0 | ,952 | 1 | 1,000 | ,004 | 1 | ,000 | 13,981 | 1,286 |
| 68 | 0 | 0 | 0 | ,713 | 1 | ,998 | ,135 | 1 | ,002 | 10,966 | ,859 |
| 69 | 0 | 0 | 0 | ,373 | 1 | 1,000 | ,794 | 1 | ,000 | 20,887 | 2,117 |
| 70 | 0 | 0 | 0 | ,580 | 1 | 1,000 | ,306 | 1 | ,000 | 17,918 | 1,780 |
| 71 | 0 | 0 | 0 | ,991 | 1 | ,999 | ,000 | 1 | ,001 | 13,617 | 1,237 |
| 72 | 0 | 0 | 0 | ,364 | 1 | 1,000 | ,823 | 1 | ,000 | 21,034 | 2,133 |
| 73 | 0 | 0 | 0 | ,863 | 1 | ,999 | ,030 | 1 | ,001 | 12,302 | 1,054 |
| 74 | 0 | 0 | 0 | ,555 | 1 | 1,000 | ,349 | 1 | ,000 | 18,236 | 1,817 |

Estadísticos por casos

| | Número de casos | Grupo real | Grupo mayor | | | | | Segundo grupo mayor | | | | Puntuacion es discriminantes |
|----------|-----------------|------------|--------------------|--------------|----|--------------|---|---------------------|--------------|---|-----------|------------------------------|
| | | | Grupo pronosticado | P(D>d G=g) | | P(G=g D=d) | Distancia de Mahalanobis al cuadrado hasta el centroide | Grupo | P(G=g D=d) | Distancia de Mahalanobis al cuadrado hasta el centroide | Función 1 | |
| | | | | p | gl | | | | | | | |
| | | | | | | | | | | | | |
| Original | 75 | 0 | 0 | ,681 | 1 | 1,000 | ,169 | 1 | ,000 | 16,728 | 1,637 | |
| | 76 | 0 | 0 | ,453 | 1 | ,991 | ,564 | 1 | ,009 | 8,575 | ,475 | |
| | 77 | 0 | 0 | ,993 | 1 | ,999 | ,000 | 1 | ,001 | 13,600 | 1,235 | |
| | 78 | 0 | 0 | ,616 | 1 | ,996 | ,251 | 1 | ,004 | 10,102 | ,725 | |
| | 79 | 0 | 0 | ,914 | 1 | 1,000 | ,012 | 1 | ,000 | 14,348 | 1,335 | |
| | 80 | 0 | 0 | ,887 | 1 | 1,000 | ,020 | 1 | ,000 | 14,604 | 1,369 | |
| | 81 | 0 | 0 | ,914 | 1 | 1,000 | ,012 | 1 | ,000 | 14,348 | 1,335 | |
| | 82 | 0 | 0 | ,339 | 1 | 1,000 | ,914 | 1 | ,000 | 21,485 | 2,182 | |
| | 83 | 0 | 0 | ,917 | 1 | ,999 | ,011 | 1 | ,001 | 12,786 | 1,123 | |
| | 84 | 0 | 0 | ,884 | 1 | 1,000 | ,021 | 1 | ,000 | 14,636 | 1,373 | |
| | 85 | 0 | 0 | ,952 | 1 | 1,000 | ,004 | 1 | ,000 | 13,981 | 1,286 | |
| | 86 | 0 | 0 | ,669 | 1 | 1,000 | ,182 | 1 | ,000 | 16,864 | 1,654 | |
| | 87 | 0 | 0 | ,503 | 1 | ,993 | ,449 | 1 | ,007 | 9,058 | ,557 | |
| | 88 | 0 | 0 | ,481 | 1 | 1,000 | ,497 | 1 | ,000 | 19,221 | 1,931 | |
| | 89 | 0 | 0 | ,901 | 1 | 1,000 | ,016 | 1 | ,000 | 14,470 | 1,351 | |
| | 90 | 0 | 0 | ,695 | 1 | 1,000 | ,153 | 1 | ,000 | 16,574 | 1,618 | |
| | 91 | 0 | 0 | ,401 | 1 | 1,000 | ,706 | 1 | ,000 | 20,426 | 2,067 | |
| | 92 | 0 | 0 | ,143 | 1 | ,889 | 2,143 | 1 | ,111 | 4,909 | -,237 | |
| | 93 | 0 | 0 | ,722 | 1 | ,998 | ,126 | 1 | ,002 | 11,050 | ,871 | |
| | 94 | 0 | 0 | ,903 | 1 | ,999 | ,015 | 1 | ,001 | 12,654 | 1,104 | |
| | 95 | 0 | 0 | ,591 | 1 | ,996 | ,289 | 1 | ,004 | 9,868 | ,688 | |
| | 96 | 0 | 0 | ,210 | 1 | 1,000 | 1,570 | 1 | ,000 | 24,327 | 2,479 | |
| | 97 | 0 | 0 | ,952 | 1 | 1,000 | ,004 | 1 | ,000 | 13,984 | 1,287 | |
| | 98 | 0 | 0 | ,977 | 1 | ,999 | ,001 | 1 | ,001 | 13,750 | 1,255 | |
| | 99 | 0 | 0 | ,673 | 1 | 1,000 | ,178 | 1 | ,000 | 16,824 | 1,649 | |
| | 100 | 0 | 0 | ,649 | 1 | ,997 | ,207 | 1 | ,003 | 10,397 | ,772 | |
| | 101 | 0 | 1** | ,279 | 1 | 1,000 | 1,171 | 0 | ,000 | 22,672 | -3,535 | |
| | 102 | 0 | 1** | ,117 | 1 | ,575 | 2,461 | 0 | ,425 | 4,455 | -,884 | |
| | 103 | 0 | 0 | ,412 | 1 | 1,000 | ,674 | 1 | ,000 | 20,255 | 2,048 | |
| | 104 | 0 | 0 | ,697 | 1 | 1,000 | ,152 | 1 | ,000 | 16,558 | 1,616 | |
| | 105 | 0 | 0 | ,601 | 1 | 1,000 | ,274 | 1 | ,000 | 17,663 | 1,750 | |
| | 106 | 0 | 0 | ,125 | 1 | 1,000 | 2,355 | 1 | ,000 | 27,184 | 2,761 | |
| | 107 | 0 | 0 | ,647 | 1 | 1,000 | ,209 | 1 | ,000 | 17,114 | 1,684 | |
| | 108 | 0 | 0 | ,471 | 1 | ,992 | ,519 | 1 | ,008 | 8,755 | ,506 | |
| | 109 | 0 | 0 | ,650 | 1 | 1,000 | ,206 | 1 | ,000 | 17,087 | 1,681 | |
| | 110 | 0 | 0 | ,759 | 1 | ,998 | ,094 | 1 | ,002 | 11,377 | ,920 | |
| | 111 | 0 | 0 | ,543 | 1 | 1,000 | ,370 | 1 | ,000 | 18,385 | 1,835 | |
| | 112 | 0 | 0 | ,286 | 1 | 1,000 | 1,140 | 1 | ,000 | 22,534 | 2,294 | |
| | 113 | 0 | 0 | ,812 | 1 | ,999 | ,056 | 1 | ,001 | 11,847 | ,989 | |
| | 114 | 0 | 0 | ,710 | 1 | ,998 | ,138 | 1 | ,002 | 10,944 | ,855 | |
| | 115 | 0 | 0 | ,103 | 1 | ,811 | 2,665 | 1 | ,189 | 4,190 | -,406 | |
| | 116 | 0 | 0 | ,199 | 1 | 1,000 | 1,651 | 1 | ,000 | 24,644 | 2,511 | |
| | 117 | 0 | 0 | ,940 | 1 | 1,000 | ,006 | 1 | ,000 | 14,101 | 1,302 | |
| | 118 | 0 | 0 | ,848 | 1 | ,999 | ,037 | 1 | ,001 | 12,166 | 1,035 | |
| | 119 | 0 | 0 | ,137 | 1 | 1,000 | 2,207 | 1 | ,000 | 26,677 | 2,712 | |
| | 120 | 0 | 0 | ,968 | 1 | ,999 | ,002 | 1 | ,001 | 13,240 | 1,186 | |
| | 121 | 0 | 0 | ,838 | 1 | 1,000 | ,042 | 1 | ,000 | 15,089 | 1,432 | |
| | 122 | 0 | 0 | ,483 | 1 | 1,000 | ,493 | 1 | ,000 | 19,195 | 1,928 | |
| | 123 | 0 | 0 | ,500 | 1 | 1,000 | ,454 | 1 | ,000 | 18,950 | 1,900 | |
| | 124 | 0 | 0 | ,410 | 1 | 1,000 | ,677 | 1 | ,000 | 20,272 | 2,049 | |
| | 125 | 0 | 0 | ,481 | 1 | 1,000 | ,497 | 1 | ,000 | 19,220 | 1,931 | |
| | 126 | 0 | 0 | ,536 | 1 | ,994 | ,384 | 1 | ,006 | 9,363 | ,607 | |
| | 127 | 0 | 0 | ,293 | 1 | ,973 | 1,106 | 1 | ,027 | 6,904 | -,175 | |
| | 128 | 0 | 0 | ,759 | 1 | ,998 | ,094 | 1 | ,002 | 11,370 | ,919 | |
| | 129 | 0 | 0 | ,331 | 1 | 1,000 | ,944 | 1 | ,000 | 21,634 | 2,198 | |
| | 130 | 0 | 0 | ,430 | 1 | 1,000 | ,623 | 1 | ,000 | 19,967 | 2,016 | |
| | 131 | 0 | 0 | ,545 | 1 | ,995 | ,366 | 1 | ,005 | 9,450 | ,621 | |
| | 132 | 0 | 0 | ,953 | 1 | ,999 | ,003 | 1 | ,001 | 13,106 | 1,167 | |
| | 133 | 0 | 0 | ,993 | 1 | ,999 | ,000 | 1 | ,001 | 13,598 | 1,235 | |
| | 134 | 0 | 0 | ,458 | 1 | 1,000 | ,550 | 1 | ,000 | 19,545 | 1,968 | |
| | 135 | 0 | 0 | ,323 | 1 | 1,000 | ,977 | 1 | ,000 | 21,787 | 2,215 | |
| | 136 | 0 | 0 | ,277 | 1 | 1,000 | 1,180 | 1 | ,000 | 22,709 | 2,313 | |
| | 137 | 0 | 0 | ,913 | 1 | ,999 | ,012 | 1 | ,001 | 12,748 | 1,117 | |
| | 138 | 0 | 0 | ,709 | 1 | ,998 | ,139 | 1 | ,002 | 10,934 | ,854 | |
| | 139 | 0 | 0 | ,503 | 1 | ,993 | ,449 | 1 | ,007 | 9,058 | ,557 | |
| | 140 | 0 | 0 | ,374 | 1 | 1,000 | ,791 | 1 | ,000 | 20,874 | 2,116 | |
| | 141 | 0 | 0 | ,636 | 1 | 1,000 | ,223 | 1 | ,000 | 17,239 | 1,699 | |
| | 142 | 0 | 0 | ,736 | 1 | ,998 | ,114 | 1 | ,002 | 11,170 | ,889 | |
| | 143 | 0 | 0 | ,732 | 1 | 1,000 | ,117 | 1 | ,000 | 16,172 | 1,569 | |
| | 144 | 0 | 0 | ,980 | 1 | ,999 | ,001 | 1 | ,001 | 13,354 | 1,201 | |
| | 145 | 0 | 0 | ,745 | 1 | 1,000 | ,106 | 1 | ,000 | 16,037 | 1,552 | |
| | 146 | 0 | 0 | ,493 | 1 | 1,000 | ,470 | 1 | ,000 | 19,054 | 1,912 | |
| | 147 | 0 | 0 | ,925 | 1 | 1,000 | ,009 | 1 | ,000 | 14,239 | 1,321 | |
| | 148 | 0 | 0 | ,480 | 1 | 1,000 | ,499 | 1 | ,000 | 19,237 | 1,933 | |

Estadísticos por casos

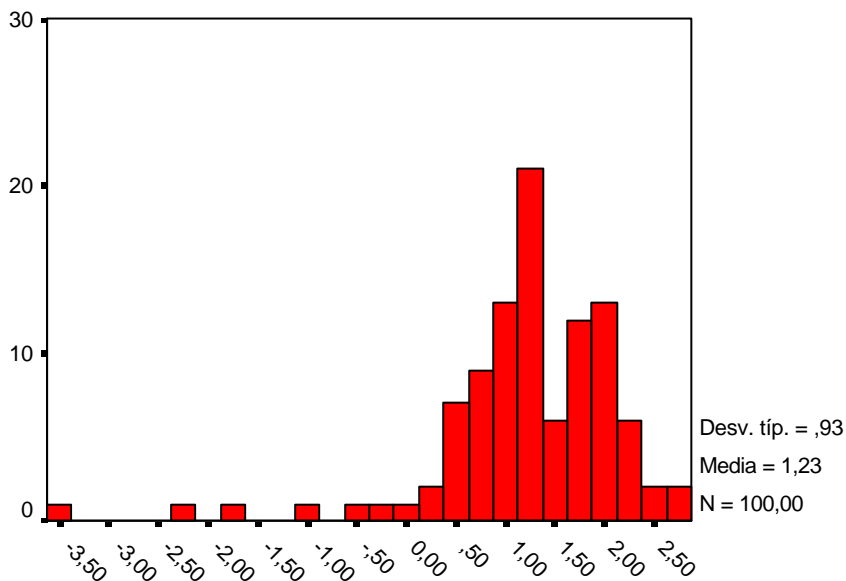
| | | | | | | | | | | | Puntuacion es discriminan tes |
|----------|-----------------|-----------|-----------------------|--------------|---|--------------|--|-------|--------------|--|--|
| | | | Grupo mayor | | | | Segundo grupo mayor | | | | |
| | | | Grupo pronosticado | P(D>d G=g) | | P(G=g D=d) | Distancia de Mahalanobis al cuadrado hasta el centroide | Grupo | P(G=g D=d) | Distancia de Mahalanobis al cuadrado hasta el centroide | |
| p | gl | Función 1 | | | | | | | | | |
| Original | Número de casos | | | | | | | | | | |
| | 149 | 0 | 0 | ,602 | 1 | 1,000 | ,272 | 1 | ,000 | 17,647 | 1,748 |
| | 150 | 0 | 0 | ,773 | 1 | ,998 | ,083 | 1 | ,002 | 11,499 | ,938 |

** Caso mal clasificado

Gráficos por grupos separados

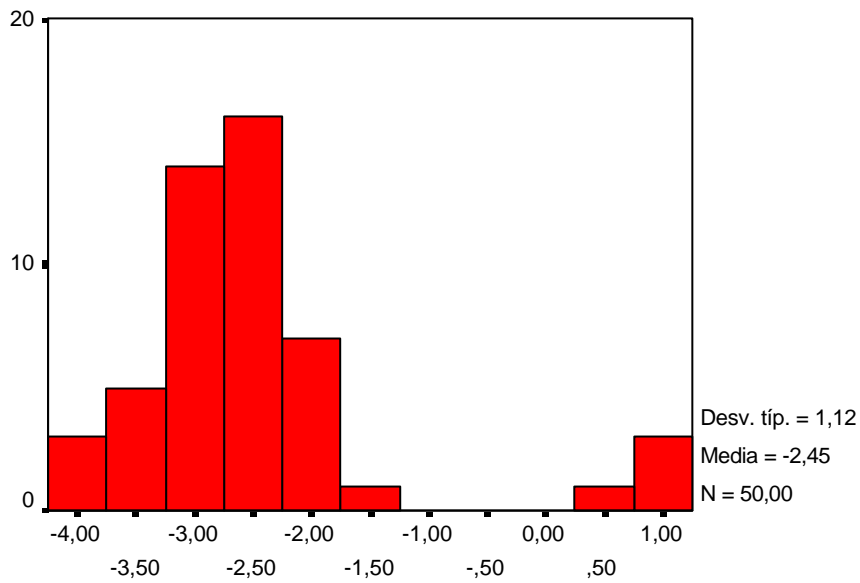
Función discriminante canónica 1

Cliente propio... = no



Función discriminante canónica 1

Cliente propio... = sí



Resultados de la clasificación^a

| | | | Grupo de pertenencia pronosticado | | Total |
|----------|----------|----|-----------------------------------|------|-------|
| | | | no | sí | |
| Original | Recuento | no | 96 | 4 | 100 |
| | | sí | 4 | 46 | 50 |
| | % | no | 96,0 | 4,0 | 100,0 |
| | | sí | 8,0 | 92,0 | 100,0 |

a. Clasificados correctamente el 94,7% de los casos agrupados originales.

Resumen del proceso de clasificación

| | | |
|--------------------------|---|-----|
| Procesados | | 150 |
| Excluidos | Código de grupo perdido o fuera de rango | 0 |
| | Perdida al menos una variable discriminante | 0 |
| Usados en los resultados | | 150 |