Solucion

Inicialmente, para crear el conjunto de datos llevamos la tabla que se encuentra en el PDF a un conjunto .txt el cual es leído desde el spss.

A continuación, un resumen del conjunto y del código utilizado en la importación.

Data written to the working file.10 variables and 110 cases written.Variable: A Type: Number Format : F4.1Variable: C Type: Number Format : F4.1Variable: E Type: Number Format : F4.1Variable: G Type: Number Format : F4.1Variable: I Type: Number Format : F4.1Variable: K Type: Number Format : F4.1Variable: M Type: Number Format : F4.1Variable: O Type: Number Format : F3.1Variable: Q Type: Number Format : F3.1Variable: S Type: Number Format : F3.1**Sintaxis:**

PRESERVE.

SET DECIMAL DOT.

GET DATA /TYPE=TXT

/FILE="C:\Users\franm\OneDrive\...\data\_helm\_color2.txt"

/ENCODING='UTF8'

/DELCASE=LINE

/DELIMITERS=" "

/ARRANGEMENT=DELIMITED

/FIRSTCASE=2

/DATATYPEMIN PERCENTAGE=95.0

/VARIABLES=

A AUTO

C AUTO

E AUTO

G AUTO

I AUTO

K AUTO

M AUTO

O AUTO

Q AUTO

S AUTO

/MAP.

RESTORE.

CACHE.

EXECUTE.

DATASET NAME DataSet2 WINDOW=FRONT.

Luego, comprobé la correcta lectura haciendo un análisis descriptivo de las variables obtenidas

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Descriptive Statistics** | | | | | |
|  | N | Minimum | Maximum | Mean | Std. Deviation |
| A | 110 | .0 | 18.8 | 8.209 | 4.1737 |
| C | 110 | .0 | 17.3 | 8.114 | 4.6987 |
| E | 110 | .0 | 16.1 | 7.162 | 5.2037 |
| G | 110 | .0 | 17.3 | 5.195 | 4.9591 |
| I | 110 | .0 | 15.8 | 4.334 | 4.8813 |
| K | 110 | .0 | 15.1 | 3.322 | 4.4433 |
| M | 110 | .0 | 13.9 | 2.304 | 3.7536 |
| O | 110 | .0 | 7.5 | 1.154 | 2.3639 |
| Q | 110 | .0 | 5.2 | .356 | 1.0892 |
| S | 110 | .0 | .0 | .000 | .0000 |
| Valid N (listwise) | 110 |  |  |  |  |

**Modelo Identidad:**

A continuación, se ejecuta el análisis definiendo el modelo de la siguiente forma:

Graphical user interface, application

Description automatically generated

El resultado obtenido se presenta a continuación:

**Proxscal**

|  |  |  |
| --- | --- | --- |
| **Case Processing Summary** | | |
| Cases | | 110 |
| Sources | | 11 |
| Objects | | 10 |
| Proximities | Total Proximities | 495a |
| Missing Proximities | 0 |
| Active Proximitiesb | 495 |
| a. Sum over sources of all strictly lower-triangular proximities. | | |
| b. Active proximities include all non-missing proximities. | | |

**Goodness of Fit**

|  |  |
| --- | --- |
| **Stress and Fit Measures** | |
| Normalized Raw Stress | .02488 |
| Stress-I | .15774a |
| Stress-II | .45030a |
| S-Stress | .09363b |
| Dispersion Accounted For (D.A.F.) | .97512 |
| Tucker's Coefficient of Congruence | .98748 |
| PROXSCAL minimizes Normalized Raw Stress. | |
| a. Optimal scaling factor = 1.026. | |
| b. Optimal scaling factor = .992. | |

**Common Space**

|  |  |  |
| --- | --- | --- |
| **Final Coordinates** | | |
|  | Dimension | |
| 1 | 2 |
| A | -.639 | .272 |
| C | -.220 | .723 |
| E | .344 | .684 |
| G | .598 | .221 |
| I | .650 | -.080 |
| K | .496 | -.360 |
| M | .192 | -.584 |
| O | -.239 | -.571 |
| Q | -.561 | -.281 |
| S | -.621 | -.023 |

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**Modelo de diferencias individuales:**

A continuación, se ejecuta el análisis definiendo el modelo de la siguiente forma:

Graphical user interface, application

Description automatically generated

**Proxscal**

|  |  |  |
| --- | --- | --- |
| **Case Processing Summary** | | |
| Cases | | 110 |
| Sources | | 11 |
| Objects | | 10 |
| Proximities | Total Proximities | 495a |
| Missing Proximities | 0 |
| Active Proximitiesb | 495 |
| a. Sum over sources of all strictly lower-triangular proximities. | | |
| b. Active proximities include all non-missing proximities. | | |

**Goodness of Fit**

|  |  |
| --- | --- |
| **Stress and Fit Measures** | |
| Normalized Raw Stress | .01394 |
| Stress-I | .11806a |
| Stress-II | .32223a |
| S-Stress | .03838b |
| Dispersion Accounted For (D.A.F.) | .98606 |
| Tucker's Coefficient of Congruence | .99301 |
| PROXSCAL minimizes Normalized Raw Stress. | |
| a. Optimal scaling factor = 1.014. | |
| b. Optimal scaling factor = 1.001. | |

**Common Space**

|  |  |  |
| --- | --- | --- |
| **Final Coordinates** | | |
|  | Dimension | |
| 1 | 2 |
| A | -1.308 | .601 |
| C | -.444 | 1.637 |
| E | .709 | 1.533 |
| G | 1.233 | .464 |
| I | 1.313 | -.194 |
| K | 1.006 | -.807 |
| M | .403 | -1.314 |
| O | -.495 | -1.270 |
| Q | -1.150 | -.604 |
| S | -1.266 | -.046 |

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**Individual Spaces**

|  |  |  |
| --- | --- | --- |
| **Dimension Weights** | | |
| Source | Dimension | |
| 1 | 2 |
| SRC\_1 | .514 | .470 |
| SRC\_2 | .673 | .515 |
| SRC\_3 | .489 | .443 |
| SRC\_4 | .469 | .417 |
| SRC\_5 | .457 | .432 |
| SRC\_6 | .483 | .448 |
| SRC\_7 | .532 | .484 |
| SRC\_8 | .435 | .411 |
| SRC\_9 | .475 | .463 |
| SRC\_10 | .405 | .394 |
| SRC\_11 | .439 | .437 |

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