

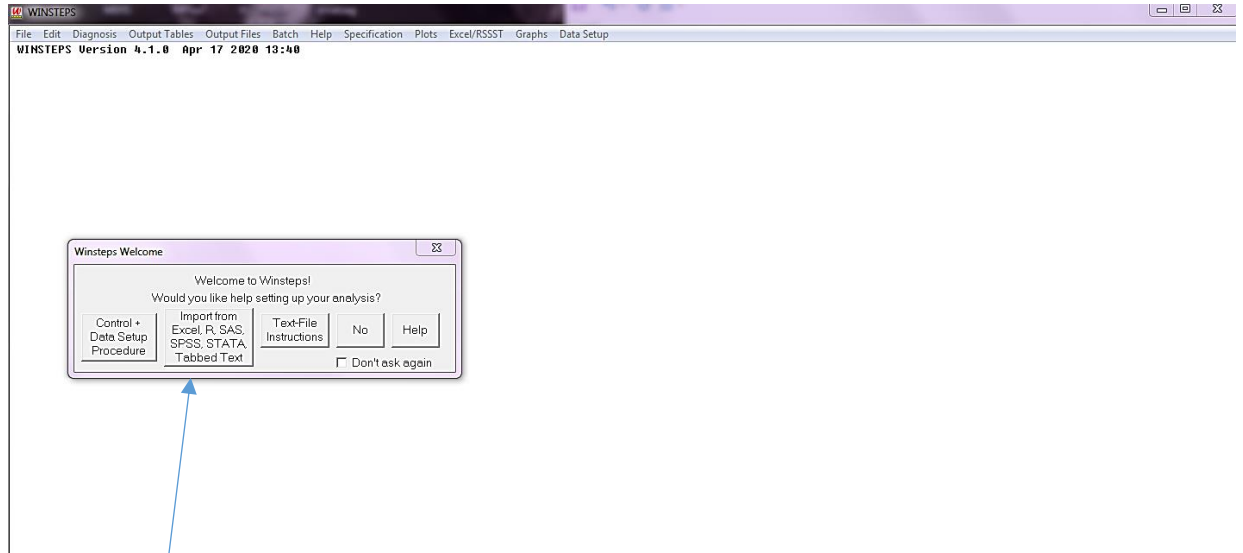
A thick dark blue vertical bar is positioned on the left side of the page. From its base, several thin, curved lines in shades of blue and grey extend upwards and outwards, creating an abstract, organic shape.

Οδηγίες για το Ministeps

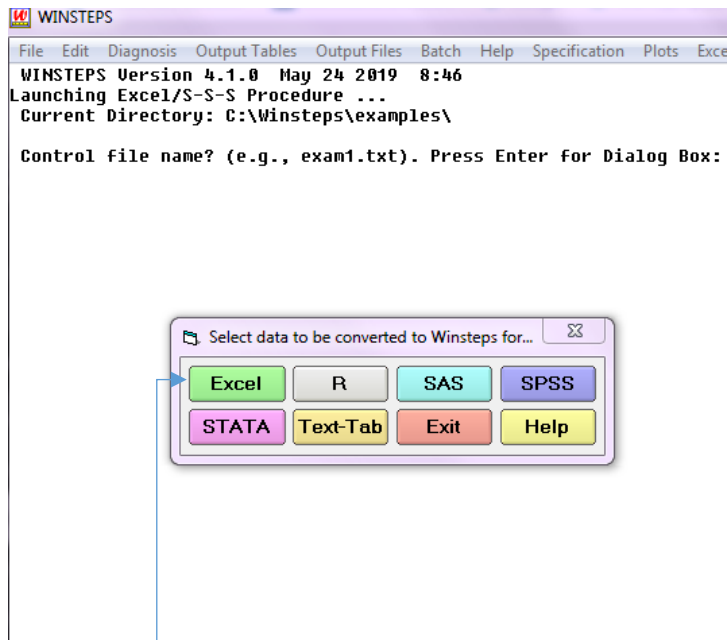
Θάνος Βέρδης

ΠΜΣ «ΘΕΩΡΙΑ ΠΡΑΞΗ ΚΑΙ ΑΞΙΟΛΟΓΗΣΗ ΤΟΥ ΕΚΠΑΙΔΕΥΤΙΚΟΥ
ΕΡΓΟΥ»

Εισαγάγετε στο Winsteps (Ministeps) τα δεδομένα από το αρχείο Excel που φτιάξατε

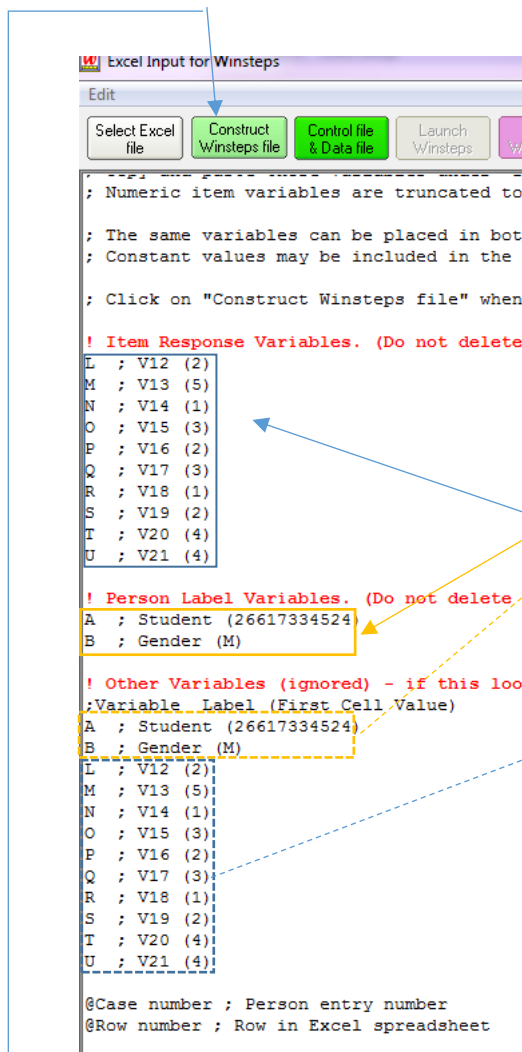


Πατήστε εδώ για να εισαγάγετε ένα εξωτερικό αρχείο



Πατήστε εδώ για να εισαγάγετε το εξωτερικό αρχείο αν το έχετε σε Excel

Κάντε copy-paste τις μεταβλητές με τις απαντήσεις και τα ονόματα και το φύλο στις κατάλληλες θέσεις...



Προσωπικά στοιχεία όπως ονόματα, φύλο κτλ. πηγαίνουν με copy-paste εδώ, λίγο πιο πάνω

Οι μεταβλητές σας μεταφέρονται με copy-paste εδώ.

...και πατήστε Construct Winsteps file. Δώστε ένα όνομα στο αρχείο σας.

Ανοίξτε το αρχείο σας με το όνομα που του δώσατε στο Data Setup του Winsteps

The image shows the Winsteps software interface. On the left, a data table displays item statistics for 11 items across 127 persons. On the right, the 'Winsteps Control File Set-Up' dialog box is open, showing configuration options for the control file.

Item	Mean	SD	IN	OUT	IN	OUT
26	.80	-.0134	6	9*	1	-1.96 .0132
27	.78	-.0122	6	9*	1	-1.78 .0120
28	.66	-.0112	6	9*	1	-1.63 .0110
29	.60	-.0103	6	9*	1	-1.49 .0101
30	.55	-.0094	6	9*	1	-1.36 .0092
31	.50	-.0086	6	9*	1	-1.24 .0084
32	.46	-.0078	6	9*	1	-1.14 .0077
33	.42	-.0072	6	9*	1	-1.04 .0071
34	.38	-.0066	6	9*	1	-.95 .0065
35	.35	-.0060	6	9*	1	-.87 .0059
36	.32	-.0055	6	9*	1	-.80 .0054
37	.29	-.0050	6	9*	1	-.73 .0050
38	.27	-.0046	6	9*	1	-.67 .0045

Winsteps Control File Set-Up

TITLE= Report title is Δεδομένα Ministeps 2019.xlsx
 PERSON= A data row is a Person
 ITEM= A data column is a Item
 NAMEI= First person label column 12
 ITEMI= First item column 1
 NAMELEN= Person label length 14
 NI= Number of items 10
 Number of data rows 127
 XWIDE= columns per response 1
 Number of data columns 25
 CODES= Valid codes 012345

Other specifications in control file:
 ; Excel file created or last modified: 24/5/2019 8:32:50 81
 ; Αξιολογία
 ; Excel Cases processed = 127
 ; Excel Variables processed = 35
 ; GROUPS = 0 ; Partial Credit model: in case items have different rating scales

Εισαγάγετε τα key (σωστές απαντήσεις) και τις πιθανές απαντήσεις (πχ. 1,2,3,4 αν έχετε 4 πιθανές απαντήσεις στα ερωτήματά σας).

Winsteps Control File Set-Up

TITLE= Report title is Δεδομένα Ministeps 2019.xlsx

PERSON= A data row is a Person
 NAME1= First person label column 12
 NAMELEN= Person label length 14
 Number of data rows 127
 Number of data columns 25

ITEM= A data column is a Item
 ITEM1= First item column 1
 NI= Number of Items 10
 XWIDE= columns per response 1
 CODES= Valid codes 012345

UIMEAN= Set item mean
 UPMEAN= Set person mean
 0 UIMEAN= Mean of items
 1 USCALE= Units per logit
 2 UDECIM= decimal places

Item Labels: Enter/Edit

Refresh Data Display | Data entry direction: | Remove excess rows and columns | Scan data for codes | Category labels CLFILE= | MCQ Scoring KEY1= | Rating scales & partial credit ISGROUPS= 3.68.0

Column:	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
Person:												1	2	3	4	5	6	7	8	9	10	11	12	13	14
Item No:	1	2	3	4	5	6	7	8	9	10															
Label:	v	v	v	v	v	v	v	v	v	v	v														
1	2	5	1	3	2	3	1	2	4	4		2	6	6	1	7	3	3	4	5	2	4			M
2	2	5	1	3	2	5	1	1	4	4		1	2	0	4	0	7	1	5	8	8	5			F
3	2	5	1	3	2	2	1	1	4	4		2	6	0	9	7	0	4	4	3	6	5			F
4	2	5	1	3	2	3	1	2	4	4		2	6	4	4	9	2	4	4	8	3	5			M
5	2	5	3	3	2	3	1	2	4	4		1	8	0	9	5	0	1	5	3	2	5			M
6	3	5	5	3	4	3	1	2	5	2		2	3	2	0	8	6	4	1	4	1	2			F
7	5	2	3	2	2	1	2	4	4	4		2	4	2	5	3	1	1	6	9	8	2			F
8	2	5	1	3	2	5	1	1	4	4		2	3	8	5	9	9	4	0	9	3	5			M
9	0	1	2	4	4	1	4	2	2	4		2	4	2	5	8	1	1	6	9	1	5			M
10	0	5	1	3	2	1	1	2	4	4		2	2	8	6	1	4	2	0	0	0	5			M
11	2	5	1	3	2	3	1	2	4	4		2	2	0	9	4	0	4	4	3	5	5			M

Other specifications in control file: [Help for Specifications](#)

```

; Excel file created or last modified: 24/5/2019 8:32:50 &i
; A&aiiYia
;   Excel Cases processed = 127
;   Excel Variables processed = 35
; GROUPS = 0 ; Partial Credit model: in case items have different rating scales
  
```

Εισαγάγετε τα key (σωστές απαντήσεις) και τις πιθανές απαντήσεις

Winsteps Control and Data File Setup

Files Edit Winsteps Help

Winsteps Control File Set-Up

TITLE= Report title is testfinal.sav

PERSON= A data row is a Person

NAME1= First person label column 35

NAMELEN= Person label length 14

Number of data rows 127

Number of data columns 48

ITEM= A data column is a Item

ITEM1= First item column 1

NI= Number of Items 33

XWIDE= columns per response 1

CODES= Valid codes 12345

UIMEAN= Set item mean
 UPMEAN= Set person mean

0 UIMEAN= Mean of items
 1 USCALE= Units per logit
 2 UDECIM= decimal places

Item Labels: Enter/Edit

Refresh Data Display

Data entry direction:

Remove excess rows and columns

Scan data for codes

Category labels CLFILE=

Remove KEY1=

Rating scales & partial credit ISGROUPS= 3.68.0

Column:	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33		
Person:																																			
Item No:	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33		
Label:	V	V	V	V	V	V	V	V	V	V1	V1	V1	V1	V1	V1	V1	V1	V2	V2	V2	V2	V2	V2	V2	V2	V2	V2	V3	V3	V3	V3	V3	V3		
KEY1=	3	3	1	3	4	4	4	2	1	2	5	1	3	2	3	1	2	4	4	1	4	2	2	4	3	2	5	3	2	3	5	4	1		
1	3	3	1	3	4	4	4	2	1	2	5	1	3	2	3	1	2	4	4	1	4	2	2	4	3	2	5	3	2	3	5	4	1		
2	3	5	1	4	4	4	4	5	1	2	5	1	3	2	5	1	1	4	4	2	4	2	2	5	3	2	2	3	1	1	4	4	1		
3	1	1	1	3	4	4	4	2	1	2	5	1	3	2	2	1	1	4	4	5	3	2	2	3	3	1	3	4	1	3	2	5	1		
4	3	3	1	3	4	2	4	2	1	2	5	1	3	2	3	1	2	4	4	1	4	2	2	4	3	2	5	3	2	3	5	4	1		
5	3	3	1	3	4	2	4	2	1	2	5	3	3	2	3	1	2	4	4	1	4	2	2	4	2	2	3	3	2	3	5	2	1		
6	4	3	1	3	4	5	4	2	1	3	5	5	3	4	3	1	2	5	2	3	4	3	2	3	3	4	2	5	3	1	3	4	4		
7	1	3	1	4	4	4	2	1	2	5	2	3	2	2	1	2	4	4	4	1	1	2	2	4	5	1	0	0	0	0	0	0	0		
8	3	3	3	3	4	4	4	2	1	2	5	1	3	2	5	1	1	4	4	4	1	1	2	3	3	2	5	3	5	3	5	4	1		
9	3	3	1	3	4	5	4	2	1	0	1	2	4	4	1	4	2	2	4	3	5	3	2	4	3	4	3	3	2	4	3	4	5		

Other specifications in control file: [Help for Specifications](#)

```
TOTALSCORE = Yes ; Include extreme responses in reported scores
; Person Label variables: columns in label: columns in line
@STUDENT = 1E11 ; $C35W11
@GENDER = 13E13 ; $C47W1
```

Στο μενού *Winsteps* πατήστε *Save control and data file and exit to Winsteps analysis*

Winsteps Control File Set-Up

TITLE= Report title is test final.sav

PERSON= A data row is a Person

NAME1= First person label column 35

NAMELEN= Person label length 14

Number of data rows 127

Number of data columns 48

ITEM= A data column is a Item

ITEM1= First item column 1

NI= Number of Items 33

XWIDE= columns per response 1

CODES= Valid codes 12345

UIMEAN= Set item mean
 UIMEAN= Mean of items
 UPMEAN= Set person mean

0 UIMEAN= Mean of items
 1 USCALE= Units per logit
 2 UDECIM= decimal places

Item Labels: Enter/Edit

Refresh Data Display | Data entry direction: | Remove excess rows and columns | Scan data for codes | Category labels CLFILE= | Remove KEY1= | Rating scales & partial credit ISGROUPS= 3.68.0

Column:	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	
Person:																																	
Item No:	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	
Label:	V	V	V	V	V	V	V	V	V	V1	V1	V1	V1	V1	V1	V1	V1	V2	V2	V2	V2	V2	V2	V2	V2	V2	V2	V3	V3	V3	V3	V3	V3
KEY1=	3	3	1	3	4	4	4	2	1	2	5	1	3	2	3	1	2	4	4	1	4	2	2	4	3	2	5	3	2	3	5	4	1
1	3	3	1	3	4	4	4	2	1	2	5	1	3	2	3	1	2	4	4	1	4	2	2	4	3	2	5	3	2	3	5	4	1
2	3	5	1	4	4	4	4	5	1	2	5	1	3	2	5	1	1	4	4	2	4	2	2	5	3	2	2	3	1	1	4	4	1
3	1	1	1	3	4	4	4	2	1	2	5	1	3	2	2	1	1	4	4	5	3	2	2	3	3	1	3	4	1	3	2	5	1
4	3	3	1	3	4	2	4	2	1	2	5	1	3	2	3	1	2	4	4	1	4	2	2	4	3	2	5	3	2	3	5	4	1
5	3	3	1	3	4	2	4	2	1	2	5	3	3	2	3	1	2	4	4	1	4	2	2	4	2	2	3	3	2	3	5	2	1
6	4	3	1	3	4	5	4	2	1	3	5	5	3	4	3	1	2	5	2	3	4	3	2	3	3	4	2	5	3	1	3	4	4
7	1	3	1	4	4	4	2	1	2	5	2	3	2	2	1	2	4	4	4	1	1	2	2	4	5	1	0	0	0	0	0	0	0
8	3	3	3	3	4	4	4	2	1	2	5	1	3	2	5	1	1	4	4	4	1	1	2	3	3	2	5	3	5	3	5	4	1
9	3	3	1	3	4	5	4	2	1	0	1	2	4	4	1	4	2	2	4	3	5	3	2	4	3	4	3	3	2	4	3	4	5

Other specifications in control file: Help for Specifications

```
TOTALSCORE = Yes ; Include extreme responses in reported scores
; Person Label variables: columns in label: columns in line
@STUDENT = 1E11 ; $C35W11
@GENDER = 13E13 ; $C47W1
```

Σώστε το αρχείο σας ξανά, αν χρειάζεται.

Χριστίνα file example.txt

File Edit Diagnosis Output Tables Output Files Batch Help Specification Plots Excel/RSSST Graphs Data Setup

WINSTEPS Version 4.1.0 Apr 17 2020 14:15
 Current Directory: C:\Winsteps\examples\

Name of control file:
 C:\Users\UoA\Documents\Downloads\Χριστίνα file example.txt
 Current Directory: C:\Users\UoA\Documents\Downloads\

Report output file name (or press Enter for temporary file, Ctrl+O for Dialog Box):

Όταν εμφανιστεί μια τέτοια οθόνη πατήστε δύο φορές *Enter*.

Από το Output Tables ζητήστε διαδοχικά τον Πίνακα 14 (Items: entry) και τον Πίνακα 12 (Item: map).

```

File Edit Diagnosis Output Tables Output Files Batch Help Specification Plots Excel/RSSST Graphs Data Setup
| PROX ACTIVE COUNT EXTREME 5 RANGE MAX LOGIT CHANGE |
| ITERATION Person Item CATS Person Item MEASURES STRUCTURE |
>=====
| 1 75 10 2 1.87 3.31 -3.6532 |
>=====
| 2 72 9 2 3.31 3.61 -1.3422 |
>=====
| 3 72 9 2 3.53 4.02 -.4704 |
Probing data connection: to skip out: Ctrl+F - to bypass: subset=no
Processing unanchored persons ...
>=====
Consolidating 4 potential subsets pairwise ...
>=====
Data fully connected. No subsets found
|Control: \Χριστινά file example.txt Output: \Downloads\ZOU928WS.TXT
| JMLE MAX SCORE MAX LOGIT LEAST CONVERGED CATEGORY STRUCTURE |
| ITERATION RESIDUAL* CHANGE Person Item CAT RESIDUAL CHANGE |
>=====
| 1 -4.29 .7354 67 2* |
>=====
| 2 -1.72 -.2128 10 3* |
>=====
| 3 -1.20 -.1717 10 3* |
>=====
| 4 -.89 -.1236 2 3* |
>=====
| 5 -.67 -.1000 2 3* |
>=====
| 6 -.52 -.0786 2 3* |
>=====
| 7 -.41 -.0626 2 3* |
>=====
| 8 -.32 -.0499 2 3* |
>=====
| 9 -.26 -.0399 2 3* |
>=====
| 10 -.21 -.0321 2 3* |
>=====
| 11 -.17 -.0258 2 3* |
>=====
| 12 -.13 -.0209 2 3* |
>=====
| 13 -.11 -.0169 2 3* |
>=====
| 14 -.09 -.0137 2 3* |
-----
Calculating Fit Statistics
>=====

```

Ο σχολιασμός των πινάκων ακολουθεί σε άλλο κείμενο

TABLE 14.1 Δεδομένα Ministeps 2019.xlsx ZOU133WS.TXT Jun 4 2019 23:30
 INPUT: 127 Person 10 Item REPORTED: 127 Person 10 Item 2 CATS WINSTEPS 4.1.0

Person: REAL SEP.: .24 REL.: .05 ... Item: REAL SEP.: 3.24 REL.: .91

Item STATISTICS: ENTRY ORDER

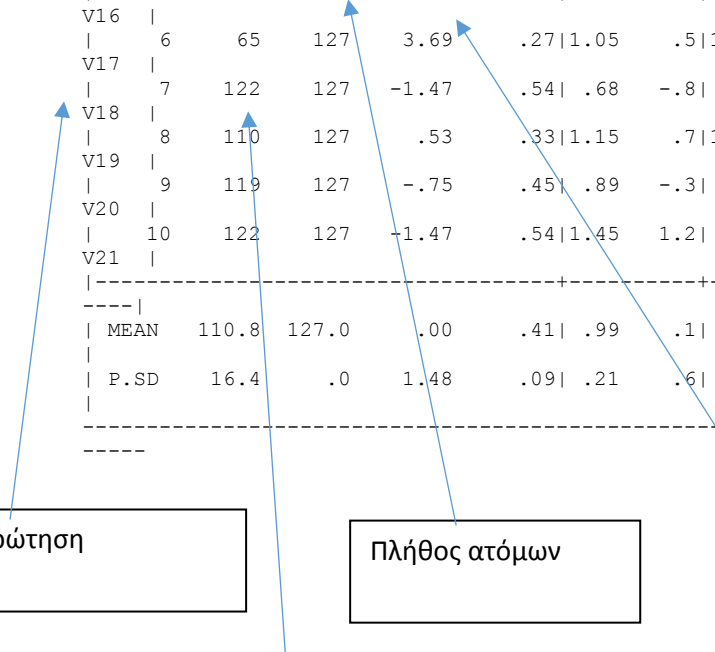
ENTRY	TOTAL	TOTAL	MODEL	INFIT	OUTFIT	PTMEASUR	AL	EXACT	MATCH				
NUMBER	SCORE	COUNT	MEASURE	S.E.	MNSQ	ZSTD	MNSQ	ZSTD	CORR.	EXP.	OBS%	EXP%	
Item													
V12	1	114	127	.05	.36	.99	.1	1.15	.5	.52	.53	89.0	88.4
V13	2	121	127	-1.20	.50	.75	-.6	1.06	.3	.49	.44	96.3	93.8
V14	3	102	127	1.25	.28	1.09	.6	1.07	.4	.56	.59	74.4	78.7
V15	4	116	127	-.23	.39	1.02	.2	.78	-.4	.53	.51	86.6	89.8
V16	5	117	127	-.39	.41	.83	-.5	.41	-1.4	.58	.50	90.2	90.6
V17	6	65	127	3.69	.27	1.05	.5	1.52	1.2	.65	.69	75.6	75.5
V18	7	122	127	-1.47	.54	.68	-.8	.42	-.6	.50	.41	96.3	94.8
V19	8	110	127	.53	.33	1.15	.7	1.03	.2	.52	.56	82.9	85.1
V20	9	119	127	-.75	.45	.89	-.3	.86	.0	.51	.47	91.5	92.0
V21	10	122	127	-1.47	.54	1.45	1.2	.69	-.1	.34	.41	91.5	94.8
MEAN		110.8	127.0	.00	.41	.99	.1	.90	.0			87.4	88.4
P.SD		16.4	.0	1.48	.09	.21	.6	.32	.7			7.3	6.3

Ερώτηση

Πλήθος ατόμων

Δυσκολία σε μονάδες logit

Σκορ απαντήσεων



Item CATEGORY/OPTION/DISTRACTOR FREQUENCIES: ENTRY ORDER

ENTRY NUMBER	DATA CODE	SCORE VALUE	DATA		ABILITY		S.E. MEAN	INFT MNSQ	OUTF MNSQ	PTMA CORR.	Item
			COUNT	%	MEAN	P.SD					
1	0	0	2	2	-.03	1.83	1.83	1.1	.6	-.24	V12
	3	0	4	3	.28	.74	.43	.5	.3	-.31	
	5	0	7	6	.92	2.27	.93	1.8	1.9	-.32	
	2	1	114	90	3.43	1.36	.13	.9	.8	.52	
2	1	0	2	2	-2.31	.44	.44	.1	.0	-.41	V13
	2	0	1	1	-1.24	.00		.3	.1	-.23	
	3	0	1	1	-.69	.00		.5	.1	-.21	
	4	0	1	1	.37	.00		1.4	.4	-.15	
	0	0	1	1	3.12	.00		10.0	6.0	.00	
3	3	0	10	8	.49	2.01	.67	1.2	1.0	-.46	V14
	5	0	4	3	.90	.71	.41	.5	.4	-.24	
	2	0	11	9	2.07	1.39	.44	1.6	1.6	-.20	
	1	1	102	80	3.60	1.27	.13	1.0	.9	.56	
4	4	0	4	3	-.01	1.17	.67	.7	.3	-.34	V15
	2	0	6	5	.38	1.93	.86	1.2	1.1	-.37	
	5	0	1	1	.99	.00		1.1	.5	-.11	
	3	1	116	91	3.41	1.40	.13	1.1	1.0	.53	
5	4	0	2	2	-1.02	.84	.84	.3	.1	-.32	V16
	1	0	4	3	-.79	1.33	.77	.5	.2	-.43	
	3	0	4	3	.90	.71	.41	1.2	.6	-.24	
	2	1	117	92	3.42	1.36	.13	.9	.9	.58	
6	2	0	13	10	.86	1.74	.50	.8	.6	-.46	V17
	1	0	9	7	1.23	1.73	.61	.9	.7	-.32	
	0	0	1	1	1.81	.00		.3	.5	-.07	
	4	0	14	11	2.59	.73	.20	1.1	1.3	-.12	
	5	0	25	20	2.61	.69	.14	1.1	1.3	-.16	
7	3	1	65	51	4.20	1.11	.14	1.1	1.7	.65	V18
	4	0	3	2	-1.77	.84	.60	.3	.1	-.46	
	2	0	1	1	-1.24	.00		.4	.1	-.23	
	5	0	1	1	1.81	.00		7.5	1.7	-.07	
8	1	1	122	96	3.31	1.44	.13	.5	.7	.50	V19
	4	0	4	3	-.72	1.64	.95	.5	.3	-.42	
	3	0	2	2	-.16	.53	.53	.2	.2	-.25	
	1	0	11	9	1.74	.97	.31	1.4	1.3	-.26	
9	2	1	110	87	3.48	1.40	.13	1.3	1.5	.52	V20
	2	0	1	1	-1.86	.00		.1	.0	-.27	
	5	0	2	2	-1.46	1.29	1.29	.4	.1	-.35	
	1	0	1	1	-.69	.00		.3	.1	-.21	
10	3	0	4	3	1.10	1.35	.78	1.6	1.6	-.22	V21
	4	1	119	94	3.36	1.41	.13	.9	.8	.51	
	3	0	1	1	-.69	.00		.6	.1	-.21	
	1	0	1	1	-.18	.00		1.0	.2	-.18	
	2	0	1	1	-.18	.00		1.0	.2	-.18	
	0	0	1	1	-.99	.00		3.3	.8	-.11	
	5	0	1	1	1.81	.00		7.5	1.7	-.07	
	4	1	122	96	3.25	1.59	.14	1.9	1.7	.34	

Ερώτηση

Πιθανές απαντήσεις
 πολλαπλής επιλογής
 (από λάθος δεν έχω
 αφαιρέσει το μηδέν
 (0))

Η σωστή απάντηση
 παίρνει μία μονάδα. Οι
 λάθος παίρνουν μηδέν (0)

Συχνότητα

Ποσοστό