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Each X represents 1 student.
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Item Estimates (Thresholds) 11/7/98 18:20

T1WV on pre (N = 20 L = 20 Probability Level= .50)

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*****Output Continues***
Item Estimates (Thresholds)  
11/ 7/98 18:20

tlwv on pre (N = 20 L = 20 Probability Level= .50)

Each X represents 1 student

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Item Estimates (Thresholds) 11/7/98 18:20

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P010.3

18SM

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*****Output Continues***
Item Estimates (Thresholds) 11/7/98 18:20
tlwv on post (N = 20 L = 20 Probability Level= .50)

Each X represents 1 students

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PO14.3
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POS4
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Case Fit In input Order 12/7/98 13:30
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Case Fit In input Order 12/7/98 10:26

t1av on all (N = 22 L = 40 Probability Level=.50)

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GROUP: T1AV : RUN1 : ANCHOR ON

Case Fit In input Order 12/7/98 10:26

t1av on post (N = 22 L = 20 Probability Level= .50)

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Each X represents 1 students
 Item Estimates (Thresholds)  
12/ 7/98 10:26  
tlav on pre (N = 22 L = 20 Probability Level= .50)  

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| pr14.2  |
| pr19    |
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Item Estimates (Thresholds)  12/7/98 10:26
tlav on pre (N = 22 L = 20 Probability Level= .50)

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Each X represents 1 students

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*****Output Continues****
:studyctl.ctl:    GROUP: T1AV : RUN1 : ANCHOR ON

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Item Estimates (Thresholds)                                                12/ 7/98 10:26
                        tlav on post (N = 22 L = 20 Probability Level= .50)
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X
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X
X                     8p12.2
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X                     2pr4.1 P020.2
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X                     8p12.1 P011   17SM
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XX                     16SM

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Each X represents 1 students
Case Fit In input Order 12/7/98 12:7

tlwi on all (N = 23 L = 40 Probability Level = .50)

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| 32    | 0216FWI  | .   | .   | .   | .   |      |      |      | *    |     |
| 34    | 0218FWI  | .   | *   | .   | .   |      |      |      |      |     |
| 47    | 0312MNI   | .   | *   | .   | .   |      |      |      |      |     |
| 48    | 0313FWI   | .   | .   | .   | .   |      |      |      |      |     |
| 49    | 0314FWI   | *   | .   | .   | .   |      |      |      |      |     |
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| 72    | 0510MNI   | .   | .   | *   | .   |      |      |      |      |     |
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| 96    | 0701FWI   | .   | *   | .   | .   |      |      |      |      |     |
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| 106   | 0713MNI   | *   | .   | .   | .   |      |      |      |      |     |
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| 111   | 0802MNI   | .   | .   | *   | .   |      |      |      |      |     |
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| 136   | 0908FWI   | .   | .   | .   | .   |      |      |      | *    |     |


:studyctl.ctl:  GROUP: T1WI : RUN1 : ANCHOR ON

Case Fit In input Order 12/7/98 12: 7

tlwi on pre (N = 23 L = 20 Probability Level= .50)

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Item Estimates (Thresholds) 12/7/98 12:7
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| XX  | PO14.3 PO15.3 19SM.2           |
|     | POS6.2                           |
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| XX  | POS5    PO15.2                 |
| X   | 8p12.2                           |
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| X   | P7SM    PO14.2 PO15.1 19SM.1   |
| XXXX| 2pr4.1                           |
| XXXX| POS6.1                           |
|     | POS4    PO14.1                  |
|     | 1210    1311                     |
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Each X represents 1 students
Case Fit In input Order          11/ 7/98 14:44
t1wv on all (N = 20 L = 40 Probability Level= .50)

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Case Fit In input Order 11/7/98 14:44
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Case Fit In input Order 11/7/98 14:44
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**tlwv on all (N = 20 L = 40 Probability Level= .50)**

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Each X represents 1 students. Some thresholds could not be fitted to the display.

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Item Estimates (Thresholds)  
11/7/98 16:9  
tlwv on post (N = 20 L = 20 Probability Level=.50)

Each X represents 1 students
Case Fit In input Order                                                    12/7/98 16:58

t2ai on all (N = 28 L = 40 Probability Level= .50)

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Case Fit In input Order  12/ 7/98 16:58
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12/7/98 16:58
t2ai on post (N = 28 L = 20 Probability Level = .50)

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**t2ai on all (N = 28 L = 40 Probability Level= .50)**

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Each X represents 1 students
Item Estimates (Thresholds)

12/7/98 16:58

t2ai on pre (N = 28 L = 20 Probability Level= .50)

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### Item Estimates (Thresholds)

**t2ai on post (N = 28 L = 20 Probability Level= .50)**

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*Each X represents 1 student*
Case Fit In input Order 12/7/98 15:21
t2av on all (N = 27 L = 40 Probability Level= .50)

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| 3      | 0103FAV  | .   |     | *   |     |      |      |      |      |     |
| 4      | 0104MAV  | *   |     | .   |     |      |      |      |      |     |
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| 16     | 0118FAV  | .   |     |     | .   |      |      |      |      |     |
| 30     | 0214MAV  | .   |     |     | *   |      |      |      |      |     |
| 50     | 0315FAV  | .   |     |     | .   |      |      |      |      |     |
| 52     | 0317MAV  | .   |     |     | .   |      |      |      |      |     |
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| 153    | 1006FAV  | .   |     |     | .   |      |      |      |      |     |
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Case Fit In input Order 12/7/98 15:21
t2av on post (N = 27 L = 20 Probability Level= .50)

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Item Estimates (Thresholds) 12/7/98 15:21
t2av on all (N = 27 L = 40 Probability Level= .50)

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9p13

pr11

pr20.2
POS1

1.0

PO10.3
pr14.2
pr20.1
18SM
pre7
X
pre9.3 PO14.4

FO10.2

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X

pr15.1 pr15.2 POS6.3 PO15.4
X
19SM.4

XXX

pre6 PO10.1
X
19SM.3 PO20.4
XX
pre4.1 2pr4.2 2pr4.3
XX
pre3 PO15.3 PO20.1 PO20.2 PO20.3
X
pre8.1 pre8.2 POS6.2 PO14.3 19SM.2
X
POS5 PO15.2
XX
pr14.1 8p12.2

-1.0

P7SM PO14.2 PO15.1 19SM.1
X
2pr4.1
XX
POS4 POS6.1 1210 PO14.1
pre9.2 1311
X

XXXX

pre1 pre2 8p12.1 PO11 17SM
X
16SM

-2.0

X

pre9.1

-3.0

Each X represents 1 students

======================================================================
Item Estimates (Thresholds) 12/ 7/98 15:21
t2av on pre (N = 27 L = 20 Probability Level= .50)

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| pre4.2 pre4.3 |

2.0

| pr11 |

| pr20.2 |

1.0

| X | pr14.2 |
|   | pr20.1 |

| XX | pre7 |
|    | pre9.3 |

| XX | pr15.1 pr15.2 |

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| XXX |

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*****Output Continues***
Item Estimates (Thresholds) 12/7/98 15:21

t2av on pre (N = 27 L = 20 Probability Level= .50)

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Each X represents 1 students
:studyctl.ctl:    GROUP: T2AV : RUN1 : ANCHOR ON

Item Estimates (Thresholds)  12/ 7/98 15:21
t2av on post (N = 27 L = 20 Probability Level=.50)

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    3pr5

2.0
    9p13

1.0
    POS1
    PO10.3

0.0
    18SM
    PO14.4
    PO10.2
    POS6.3
    PO15.4
    19SM.4

X

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*****Output Continues***
Item Estimates (Thresholds) 12/7/98 15:21
t2av on post (N = 27 L = 20 Probability Level=.50)

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| X | 19SM.3 PO20.4 |
| X | 2pr4.2 2pr4.3 |
| XX | PO20.3 |
| XX | PO20.1 PO20.2 |
| XX | PO14.3 PO15.3 19SM.2 |
| POS6.2 |
| POS5 | PO15.2 |
| 8p12.2 |

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| X | P7SM PO14.2 PO15.1 19SM.1 |
| X | 2pr4.1 |
| XXXX | POS6.1 |
| X | POS4 PO14.1 |
| 1210 | 1311 |

| X |

| X |
| 8p12.1 PO11 17SM |

| X |
| 16SM |

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Case Fit In input Order 12/7/98 16:4
t2wi on pre (N = 16 L = 20 Probability Level= .50)

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Case Fit In input Order 12/7/98 16:4

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Each X represents 1 student
studyctl.ctl:    GROUP: T2WI : RUN1 : ANCHOR ON

Item Estimates (Thresholds) 12/ 7/98 16: 4
t2wi on pre (N = 16 L = 20 Probability Level= .50)

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*****Output Continues***
Item Estimates (Thresholds)  

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pre3
pre8.1 pre8.2

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XXX

pre9.2
pre2
pre1

-2.0

X

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Each X represents 1 students
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Item Estimates (Thresholds)  12/ 7/98 16: 4
t2wi on post (N = 16 L = 20 Probability Level= .50)

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| 2pr4.2 2pr4.3
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| P014.4 P015.3 19SM.2
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| POS6.2 P020.4
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| POS5  PO15.2
| P020.2 P020.3
| 8p12.2
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XX
| P7SM  PO15.1 19SM.1 P020.1
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| P014.2 P014.3
| 2pr4.1
| POS6.1
X
| POS4  P014.1
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| 8p12.1 P011  17SM
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Each X represents 1 students

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Case Fit In input Order 12/7/98 14:28
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Case Fit In input Order 12/7/98 14:28
t2wv on pre (N = 22 L = 20 Probability Level= .50)

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:studyctl.ctl:    GROUP: T2WV : RUN1 : ANCHOR ON

Case Fit In input Order                                                    12/7/98 14:28

**t2wv on post (N = 22 L = 20 Probability Level= .50)**

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Each X represents 1 student.
Item Estimates (Thresholds) 12/7/98 14:28

t2wv on pre (N = 22 L = 20 Probability Level= .50)

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pre4.2 pre4.3

pr10

2.0

pr11
pr12
pr19.2

pr19.1

1.0

pr20.2 pr20.3

XXX

pr14.2

pr20.1

X pre7
pre9.3

XXX

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X

*****Output Continues***
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Each X represents 1 students
### Item Estimates (Thresholds)

12/7/98 14:28

t2wv on post (N = 22 L = 20 Probability Level= .50)

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Each X represents 1 students