MEASURE | MEASURE

<more> --------------------- PERSON -+- ITEM ----------------- <rare>

3 .## + 3

|

. |

|

|

. |

|

. |

2 . + 2

. | X

.# |T

.# |

.# T| X

.### |

.#### | X

.######## |

1 .######### + X 1

############## S|S X

.################### | XXX

.########################### | XX

.######################### | XXX

############################ M| XXX

.############################ | XXX

.##################### | XX

0 #################### +M XXXXXXXXX 0

############### S| XXXX

.########## | XX

.##### |

.##### |

.## | X

.## T|

.# |S

-1 .# + -1

. | XX

. | X

. |

. | X

. | XX

|T

. | X

-2 . + -2

. |

. |

|

. | X

|

|

|

-3 + -3

|

|

|

|

|

|

|

-4 . + -4

<less> --------------------- PERSON -+- ITEM ----------------- <frequent>

EACH "#" IN THE PERSON COLUMN IS 9 PERSON: EACH "." IS 1 TO 8

*Figure 1*. Wright Item-Person Map

P -+---------+---------+---------+---------+---------+---------+-

R 1.0 + +

O | |

B |0 |

A | 0000 44|

B .8 + 00 444 +

I | 000 444 |

L | 00 44 |

I | 00 44 |

T .6 + 0 44 +

Y | 00 44 |

.5 + 00 4 +

O | 0 33333333\*\* |

F .4 + 11\*1111 33 4 333 +

| 111 00 111 33 44 33 |

R | 111 0 1\* 44 333 |

E | 111 00 33 11 4 333 |

S .2 + 1111 22\*22222\*\*\*\* 333 +

P | 1111 22233 00 44112222 333|

O |1 2222333 \*\*\* 11 2222 |

N | 222222\*3333 4444 0000 11111 2222222 |

S .0 +\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*444444444 0000000\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*+

E -+---------+---------+---------+---------+---------+---------+-

-3 -2 -1 0 1 2 3

LATENT VARIABLE

*Note*. Each curve labeled with numbers represent a response category on the rating scale group 1. Each peak refers the point where the probability (y- axis) of observing that category is the greatest. The curves continue along the latent variable (x-axis) meaning that there is always some probability of observing any category at any point. Same interpretation applies to all figures on Appendix 1.

*Figure 2*. Category Probability Curves for Group 1 (Q17\_1 ~ Q17\_2)