
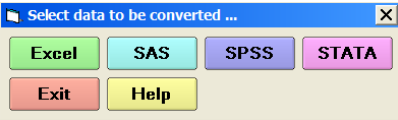
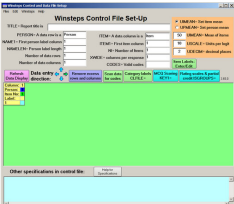
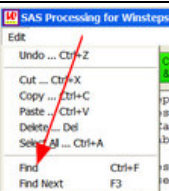
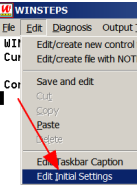
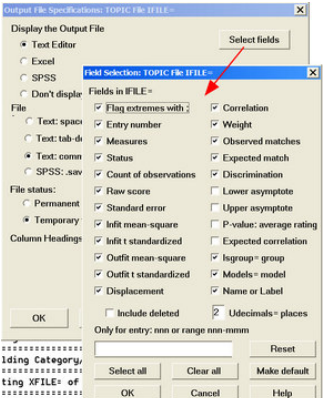
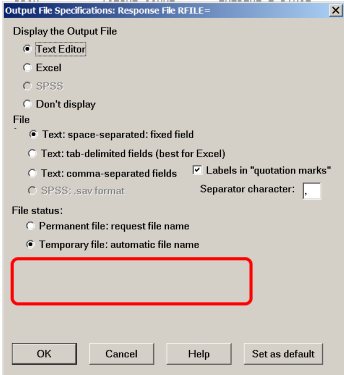
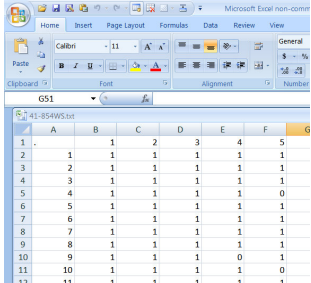
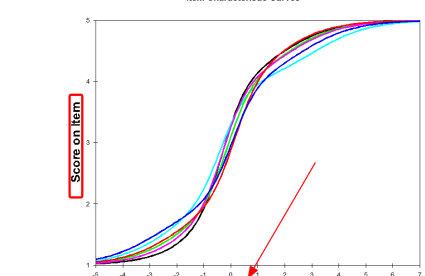
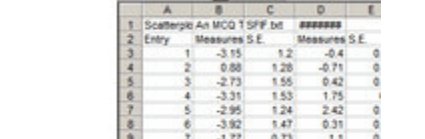
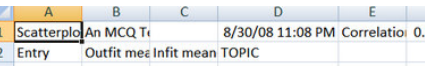


Winsteps 3.66.0 Updates - September 2008

1.	Data setup box: Clarify the control+data setup procedure	 <p>Winsteps Welcome dialog box with buttons: Control + Data Setup Procedure, Import from Excel, SAS, SPSS, STATA, Text-File Instructions, No, Help, and a checkbox for Don't ask again.</p>
	Data setup box: Import button box: Import from Excel, SAS, SPSS, STATA selection box	 <p>Select data to be converted dialog box with buttons: Excel, SAS, SPSS, STATA, Exit, Help.</p>
2.	Data file setup box: Reduced in size for smaller windows	 <p>Winsteps Control File Set-Up dialog box showing various configuration options.</p>
3.	Excel-SAS-SPSS-STATA format dialog box: Add "Find" capability for variable names	 <p>SAS Processing for Winsteps Edit menu with Find and Find Next options highlighted.</p>
4.	Excel-SAS-SPSS-STATA format dialog box: SPSS imported data include more SPSS variable identification in the Winsteps control file	<p>@work_ex = 8E12 ; \$C57W5 ; Work Experience @educ = 14E15 ; \$C63W2 ; EDUCATION &END ; Item labels follow: columns in label educ ; EDUCATION ; Item 3 : 9-12</p>
5.	Winsteps Analysis window: Clarify "Extra specifications" prompt:	<p>Extra specifications (if any). Press Enter to analyze:</p>
6.	Winsteps Analysis window: Control variables: warning if value too long	<p>Warning: IGNORED (too long): 64 1223 8076 132 6450</p>
7.	Winsteps control file: EDFILE= permits editing of data by selecting with person and item labels. Useful for splitting single items into two items	<p>EDFILE=* "?????????????????" 3 M "?????????????????{~3}" 13 M *</p>
8.	Edit file menu: Edit Initial Settings: Remedy crash with Edit Initial Settings before opening a control file	 <p>Winsteps Edit menu with Edit Initial Settings option highlighted.</p>
9.	Output Files menu: Item File IFILE= dialog box Person File PFILE= dialog box Customized field selection improvements	 <p>Output File Specifications dialog box showing field selection options for IFILE=.</p>

10.	Output Files menu: RFILE= dialog box: Remove redundant "Column Headings" from interactive																																																																
11.	Output Files menu: IPMATRIX= Correction for failure when matrix written to an Excel 2007 file																																																																
12.	Table 0.2: Iteration report. Correction to incorrect iteration number reported	<table border="1"> <thead> <tr> <th>PROX</th> <th>ITERATION</th> <th>KIDS</th> <th>ACTIVE COUNT</th> <th>TABS</th> <th>CAT:</th> </tr> </thead> <tbody> <tr> <td></td> <td>2</td> <td>1</td> <td>35</td> <td>18</td> <td>2</td> </tr> <tr> <td></td> <td>3</td> <td></td> <td>35</td> <td>14</td> <td>2</td> </tr> <tr> <td></td> <td>4</td> <td></td> <td>34</td> <td>14</td> <td>2</td> </tr> </tbody> </table>	PROX	ITERATION	KIDS	ACTIVE COUNT	TABS	CAT:		2	1	35	18	2		3		35	14	2		4		34	14	2																																							
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13.	Tables 2, 20, 27, 28: Summary maps. Percentiles shown under summary distributions	<table border="1"> <thead> <tr> <th></th> <th>-4</th> <th>-3</th> <th>-2</th> <th>-1</th> <th>0</th> <th>1</th> <th>2</th> <th>3</th> <th>4</th> <th>NUM</th> <th>TOPI</th> </tr> </thead> <tbody> <tr> <td>1</td> <td></td> <td></td> <td>11</td> <td>1111</td> <td>111</td> <td>212</td> <td>3</td> <td>2</td> <td>12</td> <td>1</td> <td>2</td> <td>STUDENTS</td> </tr> <tr> <td>T</td> <td></td> <td></td> <td>10</td> <td>20</td> <td>30</td> <td>40</td> <td>50</td> <td>60</td> <td>70</td> <td>80</td> <td>90</td> <td>99 PERCENTILE</td> </tr> </tbody> </table>		-4	-3	-2	-1	0	1	2	3	4	NUM	TOPI	1			11	1111	111	212	3	2	12	1	2	STUDENTS	T			10	20	30	40	50	60	70	80	90	99 PERCENTILE																									
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14.	Table 3.1: Summary statistics Correction to polytomous global d.f.	<p>290 DATA POINTS. LOG-LIKELIHOOD CHI-SQUARE: 378.35 WITH 242 D.F. P=.0000</p>																																																															
15.	Table 3.2: Category statistics Category percentages for scored categories exclude "missing" data.	<table border="1"> <thead> <tr> <th>CATEGORY</th> <th>OBSERVED</th> <th>OBSVD</th> <th>SAMPLE</th> <th>INFIT</th> <th>OUTFIT</th> <th>STRUCTURE</th> <th>CATEGORY</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>2</td> <td>1351</td> <td>81</td> <td>-1.27</td> <td>-1.09</td> <td>.82</td> <td>.86</td> <td>NONE</td> <td>1</td> <td>Quite often</td> </tr> <tr> <td>3</td> <td>3</td> <td>6168</td> <td>371</td> <td>-.63</td> <td>-.56</td> <td>.80</td> <td>.70</td> <td>-1.53</td> <td>1</td> <td>Occasionally</td> </tr> <tr> <td>4</td> <td>4</td> <td>3398</td> <td>201</td> <td>-.06</td> <td>-.09</td> <td>.82</td> <td>.79</td> <td>1.08</td> <td>1</td> <td>Almost never</td> </tr> <tr> <td>5</td> <td>5</td> <td>3732</td> <td>241</td> <td>-.53</td> <td>-.43</td> <td>.82</td> <td>.79</td> <td>1.45</td> <td>1</td> <td>Don't read</td> </tr> <tr> <td>MISSING</td> <td></td> <td>3070</td> <td>161</td> <td>-.32</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	CATEGORY	OBSERVED	OBSVD	SAMPLE	INFIT	OUTFIT	STRUCTURE	CATEGORY	1	2	1351	81	-1.27	-1.09	.82	.86	NONE	1	Quite often	3	3	6168	371	-.63	-.56	.80	.70	-1.53	1	Occasionally	4	4	3398	201	-.06	-.09	.82	.79	1.08	1	Almost never	5	5	3732	241	-.53	-.43	.82	.79	1.45	1	Don't read	MISSING		3070	161	-.32						
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16.	Table 6.1, etc. Item and Person measure tables: TOTALSCORE=Yes The observed raw score is the default reporting option	<table border="1"> <thead> <tr> <th>ENTRY NUMBER</th> <th>TOTAL SCORE</th> <th>COUNT</th> <th>MEASURE</th> <th>MODEL S.E.</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>7</td> <td>18</td> <td>-2.96</td> <td>.82</td> </tr> <tr> <td>2</td> <td>10</td> <td>18</td> <td>-.26</td> <td>1.11</td> </tr> <tr> <td>3</td> <td>11</td> <td>18</td> <td>.93</td> <td>1.06</td> </tr> </tbody> </table>	ENTRY NUMBER	TOTAL SCORE	COUNT	MEASURE	MODEL S.E.	1	7	18	-2.96	.82	2	10	18	-.26	1.11	3	11	18	.93	1.06																																											
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18.	Table 10.3, etc. Distractor/Options: CLFILE= category identification with the item label or the item entry number: %itemlabel+catnumber name	<p>CLFILE=*</p> <p>%FEDSUPSC+1 Strongly agree</p> <p>%FEDSUPSC+2 Agree</p> <p>%FEDSUPSC+3 Disagree</p> <p>%FEDSUPSC+4 Strongly disagree</p> <p>*</p>																																																															

19.	<p>Table 10.3, etc. Distractor/Options: Distractor point-biserials reported: PTBIS = All (include the current item in the person score) PTBIS = Yes (exclude the current item in the person score) PTBIS = No (correlate with the person measure)</p> <p>Each scored response code is correlated only with the other scored codes: "1" for target code "0" for other scored codes</p>	<pre>ni=4 codes=01 name1=1 item1=1 codes = 01A ptbis=YES misscore=1 send END LABELS 0110 1001 A01 ; A is in Codes= but scored "missing" B101 ; B is not in Codes= but is scored 1 by MISSCORE=1</pre> <table border="1"> <thead> <tr> <th>ENTRY</th> <th>DATA</th> <th>SCORE</th> <th>DATA</th> <th>AVERAGE</th> <th>S.E.</th> <th>OUTF</th> <th>PTBIS</th> <th>ITEM</th> <th>Correlation:</th> </tr> <tr> <th>NUMBER</th> <th>CODE</th> <th>VALUE</th> <th>COUNT</th> <th>%</th> <th>MEASURE</th> <th>MEAN</th> <th>MNSQ</th> <th>CORR.</th> <th>Code with Score</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>A</td> <td>***</td> <td>1</td> <td>25*</td> <td>-</td> <td>.70</td> <td>-.50</td> <td>I0001</td> <td>A (0,0,1,-)(2,1,1,2)</td> </tr> <tr> <td>0</td> <td>0</td> <td>0</td> <td>1</td> <td>33</td> <td>-.01</td> <td>.7</td> <td>1.00</td> <td>0</td> <td>(1,0,-,-)(2,1,1,2)</td> </tr> <tr> <td>1</td> <td>1</td> <td>1</td> <td>1</td> <td>33</td> <td>-.01*</td> <td>1.4</td> <td>-1.00</td> <td>1</td> <td>(0,1,-,-)(2,1,1,2)</td> </tr> <tr> <td></td> <td>MISSING</td> <td>1</td> <td>1</td> <td>33</td> <td>1.26</td> <td>.4</td> <td>.60</td> <td>1</td> <td>B (0,0,-,1)(2,1,1,2)</td> </tr> </tbody> </table>	ENTRY	DATA	SCORE	DATA	AVERAGE	S.E.	OUTF	PTBIS	ITEM	Correlation:	NUMBER	CODE	VALUE	COUNT	%	MEASURE	MEAN	MNSQ	CORR.	Code with Score	1	A	***	1	25*	-	.70	-.50	I0001	A (0,0,1,-)(2,1,1,2)	0	0	0	1	33	-.01	.7	1.00	0	(1,0,-,-)(2,1,1,2)	1	1	1	1	33	-.01*	1.4	-1.00	1	(0,1,-,-)(2,1,1,2)		MISSING	1	1	33	1.26	.4	.60	1	B (0,0,-,1)(2,1,1,2)																																																												
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21.	<p>Table 12.5: Item map: Rasch-half-point-thresholds</p> <p>For Rasch-half-point-threshold for categories 1 and 2: ASCII=Yes (Default), .15 ASCII=No (Drawing characters) .1½ ASCII=Webpage (HTML) .1½</p>	<p>TABLE 12.5 LIKING FOR SCIENCE (Wright & Masters p. Z0U46MS.TXT Aug 31 6:07 2008 INPUT: 75 KIDS 25 ACTS MEASURED: 75 KIDS 25 ACTS 3 CATS WINSTEPS 3.65.1</p> <pre>KIDS - MAP - ACTS - Expected score zones (Rasch-half-point thresholds) 1 <core> Neutral Like XXX Watch a rat .0% XXX N Find out what flowers live on .1% Watch birds .1% XXXXX Watch bugs .0% XXX Look in sidewalk cracks .0% Read animal stories .1% Look at pictures of plants .1% Read books on animals .1% XXXXXXXXXX Watch grass change .1% Watch bird make nest .1% Find where animal lives .1% 0 XXX Watch animal move .0% XXXX Grow garden .1% XXXX Listen to bird sing .1% X S Learn weed names .0% XX Make a map .0% Talk w/friends about plants .0% Look at pictures of plants .0% Look up strange animal or plan .0% Read books on plants .0% Go to museum .1% -1 XX Watch what animals eat .0% <less> Dislike Neutral</pre>																																																																																																																								
22.	<p>Tables 12.5, 12.6: Polytomous Item maps Category labels shown at the bottom</p>	<p>-4 <less> Strongly di Disagree Don't know Agree</p>																																																																																																																								
23.	<p>Table 23: Dimensionality Remedied: Crash if only one item to correlate</p>																																																																																																																									
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25.	<p>Tables 27 and 28: Person and item subtotals: Decimal places controlled by UDECIMAL=</p>	<table border="1"> <thead> <tr> <th>STUDEN</th> <th>MEAN</th> <th>S.E.</th> <th>OBSERVED</th> <th>MEDIAN</th> <th>REAL</th> <th>REAL</th> <th>REAL</th> <th>RELIABILITY</th> <th>CODE</th> </tr> <tr> <th>COUNT</th> <th>MEASURE</th> <th>MEAN</th> <th>S.D.</th> <th></th> <th>SEPARATION</th> <th></th> <th></th> <th></th> <th></th> </tr> </thead> <tbody> <tr> <td>30</td> <td>.4</td> <td>.3</td> <td>1.8</td> <td>.2</td> <td>2.47</td> <td>.86</td> <td>**</td> <td></td> <td></td> </tr> <tr> <td>1</td> <td>1.1</td> <td>-.0</td> <td>1.1</td> <td>.00</td> <td>.00</td> <td>A</td> <td>1</td> <td></td> <td></td> </tr> <tr> <td>2</td> <td>1.3</td> <td>.3</td> <td>1.3</td> <td>.00</td> <td>.00</td> <td>AP</td> <td></td> <td></td> <td></td> </tr> <tr> <td>3</td> <td>.7</td> <td>.2</td> <td>.3</td> <td>.7</td> <td>.00</td> <td>IH</td> <td></td> <td></td> <td></td> </tr> <tr> <td>6</td> <td>-1</td> <td>.2</td> <td>.4</td> <td>-1</td> <td>.00</td> <td>IL</td> <td></td> <td></td> <td></td> </tr> <tr> <td>2</td> <td>.2</td> <td>.2</td> <td>.2</td> <td>.2</td> <td>.00</td> <td>IM</td> <td></td> <td></td> <td></td> </tr> <tr> <td>4</td> <td>-.8</td> <td>.2</td> <td>.3</td> <td>-.7</td> <td>.00</td> <td>NH</td> <td></td> <td></td> <td></td> </tr> <tr> <td>1</td> <td>-3.1</td> <td>-.0</td> <td>-3.1</td> <td>.00</td> <td>.00</td> <td>NL</td> <td></td> <td></td> <td></td> </tr> <tr> <td>4</td> <td>-1.6</td> <td>.2</td> <td>.3</td> <td>-1.5</td> <td>.00</td> <td>NN</td> <td></td> <td></td> <td></td> </tr> <tr> <td>7</td> <td>2.8</td> <td>.6</td> <td>1.5</td> <td>2.1</td> <td>1.24</td> <td>.61</td> <td>5</td> <td></td> <td></td> </tr> </tbody> </table>	STUDEN	MEAN	S.E.	OBSERVED	MEDIAN	REAL	REAL	REAL	RELIABILITY	CODE	COUNT	MEASURE	MEAN	S.D.		SEPARATION					30	.4	.3	1.8	.2	2.47	.86	**			1	1.1	-.0	1.1	.00	.00	A	1			2	1.3	.3	1.3	.00	.00	AP				3	.7	.2	.3	.7	.00	IH				6	-1	.2	.4	-1	.00	IL				2	.2	.2	.2	.2	.00	IM				4	-.8	.2	.3	-.7	.00	NH				1	-3.1	-.0	-3.1	.00	.00	NL				4	-1.6	.2	.3	-1.5	.00	NN				7	2.8	.6	1.5	2.1	1.24	.61	5		
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1	-3.1	-.0	-3.1	.00	.00	NL																																																																																																																				
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7	2.8	.6	1.5	2.1	1.24	.61	5																																																																																																																			
26.	<p>Tables 27 and 28: Person and item subtotals: Report the reliability. REALSE= controls "Real" or "Model"</p>	<table border="1"> <thead> <tr> <th>ITEM</th> <th>MEAN</th> <th>S.E.</th> <th>OBSERVED</th> <th>MEDIAN</th> <th>REAL</th> <th>REAL</th> <th>REAL</th> <th>ITEM</th> </tr> <tr> <th>COUNT</th> <th>MEASURE</th> <th>MEAN</th> <th>S.D.</th> <th>SEPARATION</th> <th>RELIABILITY</th> <th>CODE</th> <th></th> <th></th> </tr> </thead> <tbody> <tr> <td>18</td> <td>-.76</td> <td>1.03</td> <td>4.26</td> <td>-1.96</td> <td>3.73</td> <td>.93</td> <td>*</td> <td></td> </tr> <tr> <td>10</td> <td>-4.25</td> <td>.57</td> <td>1.70</td> <td>-3.83</td> <td>1.07</td> <td>.53</td> <td>0</td> <td></td> </tr> <tr> <td>2</td> <td>4.80</td> <td>.00</td> <td>4.80</td> <td>.00</td> <td>.00</td> <td>.00</td> <td>2</td> <td></td> </tr> <tr> <td>2</td> <td>5.47</td> <td>.66</td> <td>.66</td> <td>5.47</td> <td>.00</td> <td>.00</td> <td>2</td> <td></td> </tr> <tr> <td>1</td> <td>2.24</td> <td>-.00</td> <td>2.24</td> <td>.00</td> <td>.00</td> <td>.00</td> <td>3</td> <td></td> </tr> <tr> <td>3</td> <td>2.04</td> <td>.75</td> <td>1.05</td> <td>1.95</td> <td>1.29</td> <td>.62</td> <td>4</td> <td></td> </tr> </tbody> </table>	ITEM	MEAN	S.E.	OBSERVED	MEDIAN	REAL	REAL	REAL	ITEM	COUNT	MEASURE	MEAN	S.D.	SEPARATION	RELIABILITY	CODE			18	-.76	1.03	4.26	-1.96	3.73	.93	*		10	-4.25	.57	1.70	-3.83	1.07	.53	0		2	4.80	.00	4.80	.00	.00	.00	2		2	5.47	.66	.66	5.47	.00	.00	2		1	2.24	-.00	2.24	.00	.00	.00	3		3	2.04	.75	1.05	1.95	1.29	.62	4																																																	
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28.	<p>Table 30, etc.: DIF Table Welch t-test - Adjustment of t-test degrees of freedom based on Welch's approach, where appropriate. This reduces the d.f. relative to a standard Student's t-test, making the null hypothesis less likely to be rejected for a given value of t.</p>	<table border="1"> <thead> <tr> <th>DIF</th> <th>JOINT</th> <th>Welch</th> </tr> <tr> <th>CONTRAST</th> <th>S.E.</th> <th>t d.f. Prob.</th> </tr> </thead> <tbody> <tr> <td>.91</td> <td>1.81</td> <td>.50 28 .6201</td> </tr> <tr> <td>-.91</td> <td>1.81</td> <td>-.50 28 .6201</td> </tr> <tr> <td>1.49</td> <td>1.65</td> <td>.90 28 .3744</td> </tr> </tbody> </table>	DIF	JOINT	Welch	CONTRAST	S.E.	t d.f. Prob.	.91	1.81	.50 28 .6201	-.91	1.81	-.50 28 .6201	1.49	1.65	.90 28 .3744																																																																																																									
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29.	Table 30: DIF Table Splitting a DIF'ed item: procedure explained in Help	<p>Split items - procedure</p> <p>Here are the changes to a control file to split an item:</p> <ol style="list-style-type: none"> Increase number of items: NI= (add one) NAME1= (add one if to the right of the items) The new item will be the last item Add coding, grouping for new item IREFER=, ISGROUPS=, KEY1= Add a new item name before END LABELS Use FORMAT= duplicate the old item into the new item's position, e.g., FORMAT = (12A13,1A113,99A) adds the item in column 3 again in column 13. Then follows it with the old column Delete responses in the old and new versions of the item, based on the person demographics: EDFILE=# "????????????????" 3 M "????????????????" 3" 13 M 																				
30.	Tables 30, 31, 33: DIF, DPF, DGF Tables: Correction to crash in computation with large USCALE= (user scaling) values	<p>Checking connectivity ..</p> <pre> >>>===== Control: \Mike\Desk\top\Winsteps.exe I JMLE MAX SCORE I ITERATION RESIDUAL* >>>===== I 1 1152.84 >>>===== Calculating Fit Statist >>>===== Standardized Residuals N Processing Table 31 Processing: DPF=\$31#1 Building list of classification codes ... Computing DPF sizes: one bar per iteration... >>>===== Iteration 1: Largest change = -1.00 units > </pre> <p>Winsteps.exe has encountered a problem and needs to close. We are sorry for the inconvenience.</p> <p>If you were in the middle of something, the information you were working on lost.</p> <p>For more information about this error, click here.</p> <p>Debug</p>																				
31.	Winsteps graphing: Relative measures allowed when plotting multiple ICCs Y-axis corrected from "Expected score on item" to "Score on item"																					
32.	Plots menu: Excel Scatterplot: Measures + standard errors Disattenuated correlation: 1.0 - in Excel Plot Empirical intercept with y-axis	<table border="1"> <tr> <td>36</td> <td>Empirical intercept with x-axis</td> <td>2.60375</td> </tr> <tr> <td>37</td> <td>Empirical intercept with y-axis</td> <td>-5.03994</td> </tr> <tr> <td>38</td> <td>Empirical slope</td> <td>1.935648</td> </tr> <tr> <td>39</td> <td>Correlation</td> <td>0.357665</td> </tr> <tr> <td>40</td> <td>Disattenuated Correlation</td> <td>1</td> </tr> </table>	36	Empirical intercept with x-axis	2.60375	37	Empirical intercept with y-axis	-5.03994	38	Empirical slope	1.935648	39	Correlation	0.357665	40	Disattenuated Correlation	1					
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34.	Plots menu: Excel Scatterplot: Correlation for non-measures																					
35.	Plots menu: Excel Scatterplot: User-settable confidence bands in the Excel scatterplot	<table border="1"> <tr> <td>E</td> <td>F</td> <td>G</td> <td>H</td> </tr> <tr> <td></td> <td>CI=</td> <td>1.96</td> <td>68%=1.00</td> </tr> <tr> <td></td> <td>ACT</td> <td>Joint S.E.</td> <td>Upper x - </td> </tr> <tr> <td></td> <td>0.21</td> <td>Watch bir</td> <td>0.291045 -0.69105</td> </tr> <tr> <td></td> <td>0.22</td> <td>Read bool</td> <td>0.304904 -1.0149</td> </tr> </table>	E	F	G	H		CI=	1.96	68%=1.00		ACT	Joint S.E.	Upper x -		0.21	Watch bir	0.291045 -0.69105		0.22	Read bool	0.304904 -1.0149
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