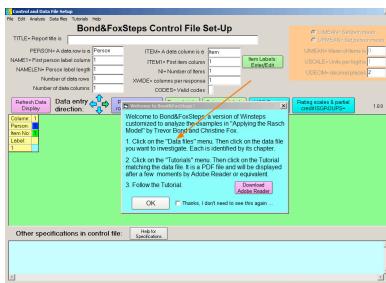
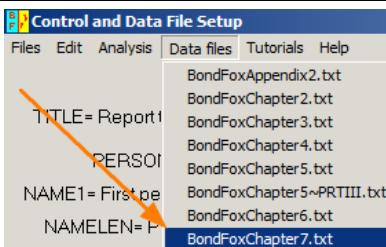
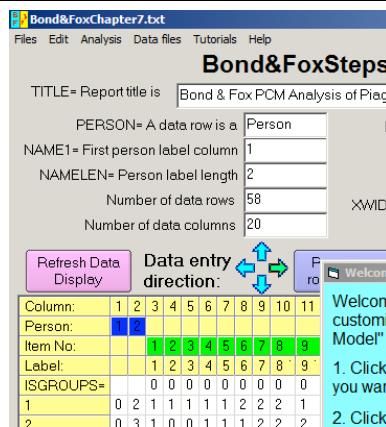
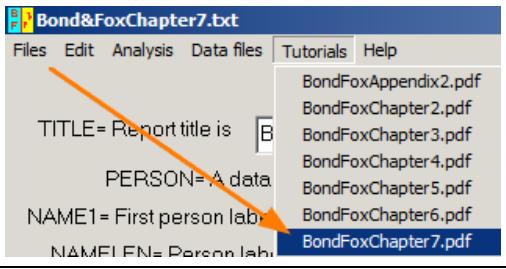
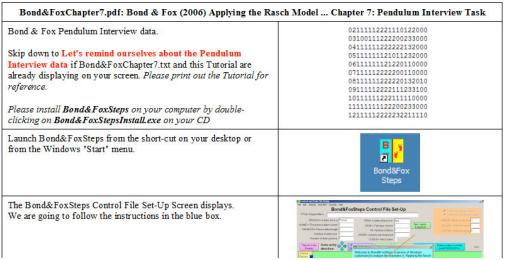
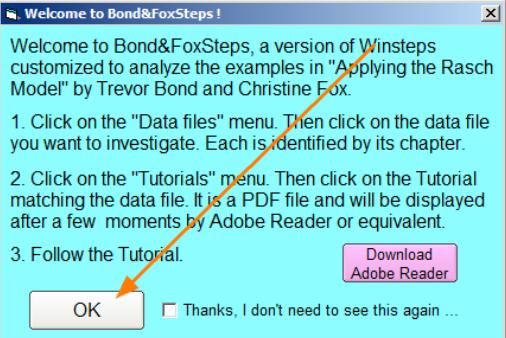
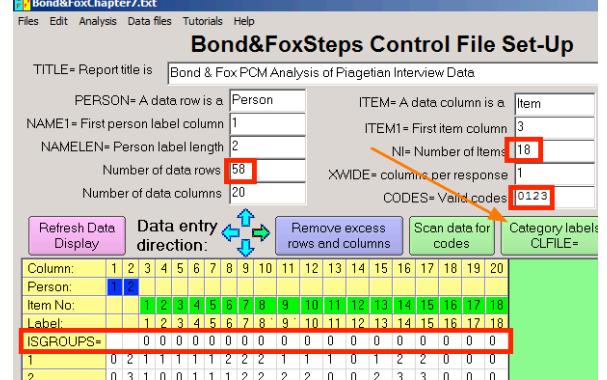
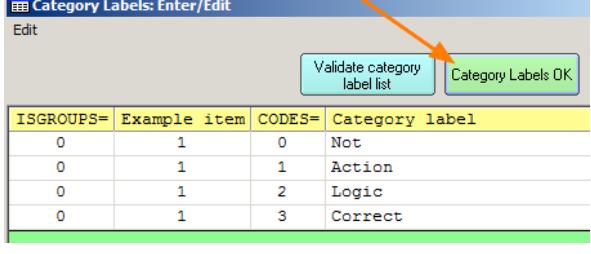
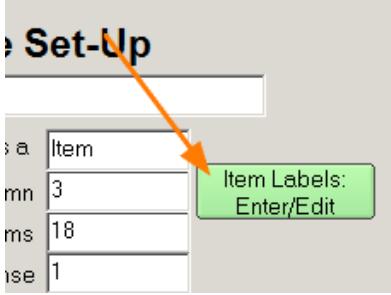
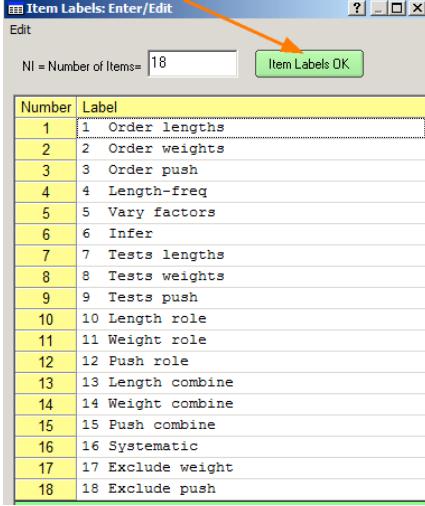
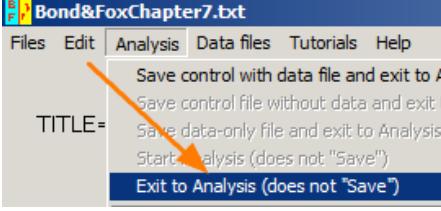
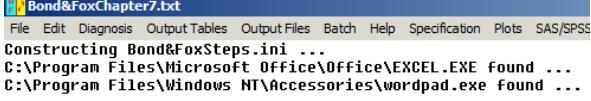
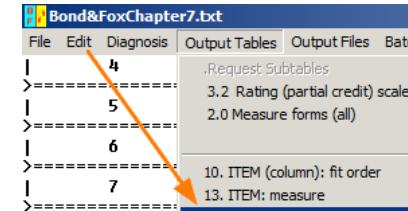


Bond&Fox3Chapter7.pdf: Bond & Fox (2015) Perlaksanaan Model Rasch (3rd ed.) Chapter 7: Tugasan Pendulum Interview

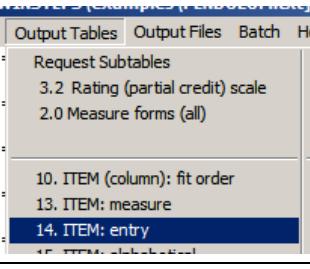
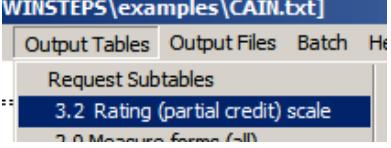
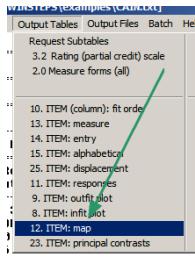
<p>Data Pendulum Interview Bond & Fox. Sekiranya Bond&Fox3Chapter7.txt dan Tutorial ini telah terpapar di skrin anda, langkau ke:</p> <p>“Sepintas lalu tentang data Pendulum Interview” di muka surat 3.</p> <p>Anda boleh mencetak Tutorial ini untuk rujukan. Sekiranya perlu:</p> <p><i>Sila pasang Bond&FoxSteps dalam computer anda dengan mengklik dua kali Bond&FoxStepsInstall.exe dari fail yang telah anda muat turun.</i></p>	<p>02111112221110122000 03100111222200233000 04111111222222132000 05111111121011232000 06111111121220110000 07111112222200110000 08111111222220132010 091111112222111233100 10111111222111110000 11111111122200233000 12111111222232211110</p>
<p>Lancar Bond&FoxSteps dari pintasan di desktop anda atau dari menu “Start” Windows.</p>	
<p>Paparan Skrin Penubuhan Fail Kawalan Bond&FoxSteps.</p> <p>Kita akan mengikuti arahan di dalam kotak biru.</p>	
<p>Klik menu "Data files". Klik Bond&Fox3Chapter7.txt</p>	
<p>Arahan kawalan dan data Bond&Fox3Chapter7.txt sedang terpapar di skrin anda.</p>	

<p>Klik menu "Tutorials".</p> <p>Klik "Bond&Fox3Chapter7.pdf" – Ini adalah Tutorial untuk padanan Bond&Fox3Chapter7.txt</p>	
<p>Ini adalah paparan fail PDF file. Ia adalah apa yang anda sedang baca sekarang. Anda boleh mencetak Tutorial ini untuk kemudahan rujukan anda.</p>	
<p>Sekarang, kita akan melalui satu demi satu langkah tutorial ini.</p> <p>Klik "OK" di dialog "Welcome".</p>	
<p>Mari ingatkan diri kita tentang data Pendulum Interview. Ia mengandungi kedudukan 58 itemu bual tentang penyelesaian permasalahan Piaget's Pendulum yang dinyatakan dalam bentuk 18 item kualitatif. Kriteria pemarkahan diberi di dalam Bond & Fox Jadual 7.2.</p> <p>Skala kedudukan adalah 0,1,2,3.</p> <p>Setiap item dimodelkan untuk mempunyai struktur skala kedudukan sendiri. Ini merupakan Rasch Partial Credit Model (PCM). PCM ditunjukkan di dalam perisian dengan "ISGROUPS= "line; Tiada items dikumpulkan sebagai berkongsi format respon. Mari lihat nama kategori skala rating: Klik "Category labels CLFILE="</p>	

<p>Empat kategori pemarkahan untuk rakaman audio respon pelajar diterangkan sebagai:</p> <ol style="list-style-type: none"> 1. "Not" = Tiada yang relevan bagi menyelesaikan masalah 2. "Action" = Tindakan yang relevan 3. "Logic" = Logik yang relevan 4. "Correct" = Penyelesaian yang tepat <p>Klik "Category Labels OK"</p>	
<p>Mari lihat Label Item.</p> <p>Klik "Item Labels: Enter/Edit"</p>	
<p>Terdapat 18 item. Maklumat lanjut boleh didapati dalam Bond & Fox Chapter 7. Semua criteria pemarkahan diberi dalam Jadual 7.2 Bond & Fox</p> <p>Klik "Item Labels OK"</p>	
<p>Mari jalankan data analisis Rasch PCM Analysis.</p> <p>Klik menu "Analysis"</p> <p>Klik "Exit to Analysis (does not Save)"</p> <ul style="list-style-type: none"> - Kita tidak mahu melakukan sebarang perubahan kepada data atau fail kawalan pada masa ini. 	
<p>File Setup tertutup, dan fasa Analisis bermula. (Jika ini kali pertama anda menjalankan Analisis, ia menyemak computer anda untuk sumber yang ada.)</p>	

<p>Bond&FoxSteps – Fasa Analisis – melaporkan data analisis dan fail kawalan Bond&Fox3Chapter7.txt secara tepat.</p> <p>"Report output file name"? Tekan 'Enter'</p> <p>"Extra specifications"? Tekan 'Enter'</p>	<p>Bond&FoxAnalysis Version 1.0.0 Aug 24 20:53 2006 Current Directory: c:\Bond&FoxSteps\Bond-data\</p> <p>Name of control file: C:\Bond&FoxSteps\Bond-data\Bond&FoxChapter7.txt Current Directory: C:\Bond&FoxSteps\Bond-data\</p> <p>Report output file name (or press Enter for tem</p> <p>Extra specifications (or press Enter):</p>																																																																																																																																																																																																																																																												
<p>Data Pendulum Interview ini dianalisis secara Rasch.</p> <p>Pertama sekali, ukuran (Kebolehan individu, kesukaran item) dibina; dan kemudian statistik tetap dikira.</p>	<p>Perhatikan bahawa 18 item dimasukkan, tetapi hanya 17 yang dilaporkan. Kita ingin tahu mengapa ini berlaku. Jadi,</p>																																																																																																																																																																																																																																																												
<p>Untuk Anggaran Item Pendulum Interview Task Bond & Fox Jadual 7.3.</p> <p>Klik menu "Output Tables"</p> <p>Klik "14. ITEM: Entry"</p>	 <p>Output written to C:\Bond&FoxSteps\Bond-data\ZOU534WS.TXT CODES= 0123 GROUPS= 0 Measures constructed: use "Output Tables" menus</p>																																																																																																																																																																																																																																																												
<p>Jadual 14.1 menunjukkan kedudukan pertengahan kesukaran item untuk semua item.</p> <p>Perhatikan bahawa Item 1 dikenalpasti sebagai "DROPPED". Apakah ini?</p>	<p>TABLE 14.1 Bond & Fox PCM Analysis of Piagetian I ZOU534WS.TXT Aug 24 20:53 2006 INPUT: 58 PERSONS 18 ITEMS MEASURED: 58 PERSONS 17 ITEMS 49 CATS 1.0.0 ITEM: REAL SEP.: 1.84 REL.: .70 ... ITEM: REAL SEP.: 4.02 REL.: .94 ITEM STATISTICS: ENTRY ORDER</p> <table border="1"> <thead> <tr> <th>ITEM</th> <th>TOTAL SCORE</th> <th>MEASURE</th> <th>MNSQ</th> <th>INFIT</th> <th>OUTFIT</th> <th>ITEM</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>1</td> <td>DROPPED</td> <td></td> <td></td> <td></td> <td>1 Order lengths</td> </tr> <tr> <td>2</td> <td>56</td> <td>.58</td> <td>.248</td> <td>.11</td> <td>.10</td> <td>.41</td> <td>.16</td> <td>.51</td> <td>.05</td> <td>.96</td> <td>.96</td> <td>.61</td> <td>0 Order weights</td> </tr> <tr> <td>3</td> <td>56</td> <td>.58</td> <td>.248</td> <td>.71</td> <td>.10</td> <td>.41</td> <td>.16</td> <td>.51</td> <td>.05</td> <td>.96</td> <td>.96</td> <td>.61</td> <td>3 Order push</td> </tr> <tr> <td>4</td> <td>56</td> <td>.58</td> <td>.248</td> <td>.71</td> <td>.95</td> <td>.21</td> <td>.37</td> <td>.61</td> <td>.29</td> <td>.96</td> <td>.96</td> <td>.61</td> <td>4 Length-freq</td> </tr> <tr> <td>5</td> <td>56</td> <td>.58</td> <td>.248</td> 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weight	18	8	.58	3.21	.39	.84	-1.21	.66	-1.31	-1.61	.50	.87	.9	18 Exclude push
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<p>Skrol ke Jadual 14.2</p> <p>Item 1 mempunyai 58 respon "1". Semua orang dikelaskan dalam kategori yang sama. Tetapi kita mengkhususkan 4 kategori yang mungkin 0, 1, 2, 3. Jadi adakah "1" kategori utama item 0-1? Atau hampir di bawah item 0-3? Atau apa? Bond&FoxSteps tidak tahu, jadi ia menjatuhkan Item 1 daripada anggaran.</p>	<p>TABLE 14.2 Bond & Fox PCM Analysis of Piagetian I ZOU534WS.TXT Aug 24 20:53 2006 INPUT: 58 PERSONS 18 ITEMS MEASURED: 58 PERSONS 17 ITEMS 49 CATS 1.0.0</p> <p>ITEM CATEGORY/OPTION/DISTRACTOR FREQUENCIES: ENTRY ORDER</p> <table border="1"> <thead> <tr> <th>ITEM</th> <th>DATA</th> <th>SCORE</th> <th>DATA</th> <th>AVERAGE</th> <th>S.E.</th> <th>OUTFIT</th> <th>PTIMEA</th> <th>MNSQ</th> <th>CORR.</th> <th>ITEM</th> </tr> <tr> <th>NUMBER</th> <th>CODE</th> <th>VALUE</th> <th>COUNT</th> <th>%</th> <th>MEASURE</th> <th>MEAN</th> <th>MEAN</th> <th>MNSQ</th> <th>CORR.</th> <th>ITEM</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>1</td> <td>***</td> <td>58</td> <td>100%</td> <td>1.17</td> <td>.13</td> <td>.00</td> <td>1</td> <td>Order lengths</td> <td>1 Action</td> </tr> <tr> <td>2</td> <td>0</td> <td>0</td> <td>56</td> <td>97</td> <td>.91</td> <td>.09</td> <td>1.2</td> <td>-.05</td> <td>2 Order weights</td> <td>0 Not</td> </tr> <tr> <td>1</td> <td>1</td> <td>1</td> <td>56</td> <td>97</td> <td>1.18</td> <td>.13</td> <td>1.1</td> <td>.05</td> <td>1 Order push</td> <td>1 Action</td> </tr> <tr> <td>3</td> <td>0</td> <td>0</td> <td>56</td> <td>97</td> <td>.91</td> <td>.09</td> <td>1.2</td> <td>-.05</td> <td>3 Order push</td> <td>0 Not</td> </tr> <tr> <td>1</td> <td>1</td> <td>1</td> <td>56</td> <td>97</td> <td>1.18</td> <td>.13</td> <td>1.1</td> <td>.05</td> <td>1 Order push</td> <td>1 Action</td> </tr> <tr> <td>4</td> <td>0</td> <td>0</td> <td>56</td> <td>97</td> <td>-.29</td> <td>.11</td> <td>.3</td> <td>-.29</td> <td>4 Length-freq</td> <td>0 Not</td> </tr> <tr> <td>1</td> <td>1</td> <td>1</td> <td>56</td> <td>97</td> <td>1.23</td> <td>.13</td> <td>1.0</td> <td>.29</td> <td>1 Length-freq</td> <td>1 Action</td> </tr> </tbody> </table>	ITEM	DATA	SCORE	DATA	AVERAGE	S.E.	OUTFIT	PTIMEA	MNSQ	CORR.	ITEM	NUMBER	CODE	VALUE	COUNT	%	MEASURE	MEAN	MEAN	MNSQ	CORR.	ITEM	1	1	***	58	100%	1.17	.13	.00	1	Order lengths	1 Action	2	0	0	56	97	.91	.09	1.2	-.05	2 Order weights	0 Not	1	1	1	56	97	1.18	.13	1.1	.05	1 Order push	1 Action	3	0	0	56	97	.91	.09	1.2	-.05	3 Order push	0 Not	1	1	1	56	97	1.18	.13	1.1	.05	1 Order push	1 Action	4	0	0	56	97	-.29	.11	.3	-.29	4 Length-freq	0 Not	1	1	1	56	97	1.23	.13	1.0	.29	1 Length-freq	1 Action																																																																																																																																																									
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<p>B&F3 Jadual 7.3. Anggaran Item untuk Tugasan Pendulum Interview yang menggabungkan kiraan Item, SEs, statistic tetap dan korelasi PtMeas dari Jadual 14.1 <i>PLUS</i> thresholds untuk item polytomous (e.g., 6, 7, 8 etc.) daripada ITEM-STRUCTURE FILE</p>	<pre>; ITEM ITEM-STRUCTURE FILE (not for anchoring: use SFILE=) FOR Bond & Fox PCM Analysis ;ENTRY STAT MAX CAT BOT+25 CAT STRU MEASURE ERROR CAT-0.5 AT CAT 50%PR ; -2 0 0 -3.58 1 1 -2.48 .74 -2.48 -1.38 -2.48 ; 2 1 0 -3.58 1 1 -2.48 .74 -2.48 -1.38 -2.48 ; 3 1 0 -3.58 1 1 -2.48 .74 -2.48 -1.38 -2.48 ; 4 1 0 -3.58 1 1 -2.48 .74 -2.48 -1.38 -2.48 ; 5 1 0 -3.58 1 1 -2.48 .74 -2.48 -1.38 -2.48 ; 6 1 2 0 -3.67 1 1 -2.53 1.04 -2.67 -1.10 -2.58 ; 7 1 2 0 -2.12 1 1 -.90 .51 -1.23 -.06 -1.05 ; 8 1 2 0 -1.68 1 1 39.29 .68 -1.26 -.71 -.71 ; 9 1 2 0 -1.34 1 1 -.14 .41 -.64 .21 -.30 ; 10 1 3 0 -2.28 1 1 -2.15 .75 -2.24 -.47 -2.18 ; 11 1 3 0 -2.12 1 1 -.14 .50 -1.36 .36 -1.00 ; 12 1 3 0 -1.16 1 1 -.04 .35 -.26 .06 .09 ; 13 1 2 0 -3.31 1 1 -2.20 .75 -2.27 -.36 -2.22</pre>																																																																																													
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<p>Untuk pembolehubah atau peta Wright dalam Bond & Fox Rajah 7.4 Klik menu "Output Tables" Klik "12. ITEM: Map"</p>																																																																																														
<p>Skrol ke Jadual 12.6</p>	<p>TABLE 12.6 Bond & Fox PCM Analysis of Piagetian I ZOU436WS.TXT Aug 24 22:25 2006 INPUT: 58 PERSONS 18 ITEMS MEASURED: 58 PERSONS 17 ITEMS 49 CATS 1.0.0</p>																																																																																													
<p>(Bond & Fox 3rd Rajah 7.4 Peta Item–orang untuk Pendulum interview, adalah berdasarkan Jadual 12.6, tetapi dengan label item removed dan items/thresholds aligned dalam ruangan individu.)</p>	<p>PERSONS MAP OF ITEMS – 50% Cumulative probabilities (Rasch-Thurstone thresholds)</p> <table border="1"> <thead> <tr> <th>Action</th> <th>Logic</th> <th>Correct</th> </tr> </thead> <tbody> <tr> <td>X</td> <td></td> <td></td> </tr> <tr> <td>+</td> <td></td> <td></td> </tr> <tr> <td>T</td> <td>18 Exclude push .1</td> <td>10 Length role .3</td> </tr> <tr> <td>T+</td> <td>17 Exclude weight.1</td> <td>12 Push role .3</td> </tr> <tr> <td>XXX S</td> <td></td> <td>11 Weight role .3</td> </tr> <tr> <td>XXXX</td> <td></td> <td>15 Push combine .3</td> </tr> <tr> <td>XXXX +</td> <td>16 Systematic .1</td> <td>11 Weight role .2</td> </tr> <tr> <td>XXXX M</td> <td></td> <td>12 Push role .2</td> </tr> <tr> <td>XXXXX</td> <td></td> <td>13 Length combine.2</td> </tr> <tr> <td>XXXXX +</td> <td></td> <td>10 Length role .2</td> </tr> <tr> <td>XXXXX M</td> <td></td> <td>14 Weight combine .3</td> </tr> <tr> <td>XXXXX S</td> <td></td> <td>15 Push combine</td> </tr> <tr> <td>XXXXX</td> <td>15 Push combine .1</td> <td>9 Tests lengths .2</td> </tr> <tr> <td>XXXXX +</td> <td></td> <td>9 Tests push .2</td> </tr> <tr> <td>XXXXX M</td> <td></td> <td>6 Infer .2</td> </tr> <tr> <td>XXXXX S</td> <td></td> <td></td> </tr> <tr> <td>XXXXX</td> <td>12 Push role .1</td> <td></td> </tr> <tr> <td>XXXX X</td> <td>9 Tests push .1</td> <td></td> </tr> <tr> <td>XXXX X</td> <td></td> <td>8 Tests weights .2</td> </tr> <tr> <td>XXXX X</td> <td></td> <td>7 Tests lengths .1</td> </tr> <tr> <td>XXXX X</td> <td></td> <td></td> </tr> <tr> <td>XXXX X</td> <td>11 Weight role .1</td> <td></td> </tr> <tr> <td>XXXX X</td> <td></td> <td>5 14 Weight combine.1</td> </tr> <tr> <td>XXXX X</td> <td></td> <td>10 Length role .1</td> </tr> <tr> <td>XXXX X</td> <td></td> <td>13 Length combine</td> </tr> <tr> <td>XXXX X</td> <td></td> <td>12 Order weights .1</td> </tr> <tr> <td>XXXX X</td> <td></td> <td>3 Order push</td> </tr> <tr> <td>XXXX X</td> <td></td> <td>4 Length-freq</td> </tr> <tr> <td>XXXX X</td> <td></td> <td>2 Length-factors</td> </tr> <tr> <td>XXXX X</td> <td></td> <td>6 Infer .1</td> </tr> </tbody> </table>	Action	Logic	Correct	X			+			T	18 Exclude push .1	10 Length role .3	T+	17 Exclude weight.1	12 Push role .3	XXX S		11 Weight role .3	XXXX		15 Push combine .3	XXXX +	16 Systematic .1	11 Weight role .2	XXXX M		12 Push role .2	XXXXX		13 Length combine.2	XXXXX +		10 Length role .2	XXXXX M		14 Weight combine .3	XXXXX S		15 Push combine	XXXXX	15 Push combine .1	9 Tests lengths .2	XXXXX +		9 Tests push .2	XXXXX M		6 Infer .2	XXXXX S			XXXXX	12 Push role .1		XXXX X	9 Tests push .1		XXXX X		8 Tests weights .2	XXXX X		7 Tests lengths .1	XXXX X			XXXX X	11 Weight role .1		XXXX X		5 14 Weight combine.1	XXXX X		10 Length role .1	XXXX X		13 Length combine	XXXX X		12 Order weights .1	XXXX X		3 Order push	XXXX X		4 Length-freq	XXXX X		2 Length-factors	XXXX X		6 Infer .1
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<p>Untuk B&F Jadual 7.3 Item Anggaran untuk Tugasan Pendulum Interview</p> <p>Buka Jadual 14 untuk item di dalam susunan kemasukan untuk kesukaran item dan statistic tetap.</p>																																																																																																													
<p>Ini menunjukkan titik tengah ataupun kesukaran semua item secara keseluruhan.</p>	<pre>TABLE 14.1 B&F PCM Analysis of Piagetian Interview ZOU238WS.TXT Jul 27 1:42 2006 INPUT: 58 PERSONS 18 ITEMS MEASURED: 58 PERSONS 17 ITEMS 49 CATS 3.62 PERSON: REAL SEP. 1.54 REL: .70 ... ITEM: REAL SEP. 1 4.02 REL: .94 ITEM STATISTICS: ENTRY ORDER</pre> <table border="1"> <thead> <tr> <th>ENTRY</th> <th>TOTAL</th> <th>MEASURE</th> <th>MODEL</th> <th>INFIT</th> <th>OUTFIT</th> <th> FTMEA </th> <th>EXACT MATCH</th> <th>ITEM</th> </tr> <tr> <th>NUMBER</th> <th>SCORE</th> <th>COUNT</th> <th>S.E.</th> <th>MNSQ</th> <th>ZSTD(MNSQ)</th> <th>ZSTD(CORR.)</th> <th>OBSN EXPN</th> <th>G</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>DROPPED</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>2</td> <td>56</td> <td>58</td> <td>-2.48</td> <td>.71</td> <td>1.10</td> <td>.41</td> <td>.16</td> <td>1 Order lengths 0</td> </tr> <tr> <td>3</td> <td>56</td> <td>58</td> <td>-2.48</td> <td>.71</td> <td>1.10</td> <td>.41</td> <td>.16</td> <td>2 Order weights 0</td> </tr> <tr> <td>4</td> <td>56</td> <td>58</td> <td>-2.48</td> <td>.71</td> <td>1.06</td> <td>.41</td> <td>.16</td> <td>3 Order lengths 0</td> </tr> <tr> <td>5</td> <td>56</td> <td>58</td> <td>-2.48</td> <td>.71</td> <td>.91</td> <td>.11</td> <td>.30</td> <td>4 Order weights 0</td> </tr> <tr> <td>6</td> <td>96</td> <td>58</td> <td>-1.10</td> <td>.27</td> <td>.99</td> <td>.01</td> <td>.94</td> <td>5 Length-free 0</td> </tr> <tr> <td>7</td> <td>85</td> <td>58</td> <td>-.06</td> <td>.22</td> <td>1.12</td> <td>.13</td> <td>.14</td> <td>6 Vary factors 0</td> </tr> <tr> <td>8</td> <td>100</td> <td>58</td> <td>-.10</td> <td>.20</td> <td>.23</td> <td>.01</td> <td>.90</td> <td>7 Infer 0</td> </tr> <tr> <td>9</td> <td>84</td> <td>58</td> <td>-.21</td> <td>.20</td> <td>.91</td> <td>-.51</td> <td>.90</td> <td>8 Tests lengths 0</td> </tr> <tr> <td>10</td> <td>91</td> <td>58</td> <td>.74</td> <td>.20</td> <td>.85</td> <td>-.81</td> <td>.86</td> <td>9 Tests push 0</td> </tr> </tbody> </table>	ENTRY	TOTAL	MEASURE	MODEL	INFIT	OUTFIT	FTMEA	EXACT MATCH	ITEM	NUMBER	SCORE	COUNT	S.E.	MNSQ	ZSTD(MNSQ)	ZSTD(CORR.)	OBSN EXPN	G	1	DROPPED								2	56	58	-2.48	.71	1.10	.41	.16	1 Order lengths 0	3	56	58	-2.48	.71	1.10	.41	.16	2 Order weights 0	4	56	58	-2.48	.71	1.06	.41	.16	3 Order lengths 0	5	56	58	-2.48	.71	.91	.11	.30	4 Order weights 0	6	96	58	-1.10	.27	.99	.01	.94	5 Length-free 0	7	85	58	-.06	.22	1.12	.13	.14	6 Vary factors 0	8	100	58	-.10	.20	.23	.01	.90	7 Infer 0	9	84	58	-.21	.20	.91	-.51	.90	8 Tests lengths 0	10	91	58	.74	.20	.85	-.81	.86	9 Tests push 0
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<p>Anggaran kesukaran <i>Threshold</i> dalam B&F Jadual 7.3 adalah "50% CUM. PROBABILITIES" di dalam Winsteps Jadual 3.2, juga dipanggil Rasch-Thurstone thresholds.</p> <p>Winsteps melaporkan kategori statistik purata kuasa dua berbanding t-statistik untuk <i>threshold</i>.</p>	<pre>TABLE 3.2 B&F PCM Analysis of Piagetian Interview ZOU238WS.TXT Jul 27 1:42 2006 INPUT: 58 PERSONS 18 ITEMS MEASURED: 58 PERSONS 17 ITEMS 49 CATS 3.62</pre> <p>SUMMARY OF CATEGORY STRUCTURE. Model="R" FOR GROUPING "0" ITEM NUMBER: 6 6 Infer</p> <table border="1"> <thead> <tr> <th>ITEM</th> <th>ITEM DIFFICULTY MEASURE OF -1.10 ADDED TO MEASURES</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>1.42 ((-1.46) 2 Logic</td> </tr> </tbody> </table> <p>ITEM DIFFICULTY MEASURE OF -1.10 ADDED TO MEASURES</p> <table border="1"> <thead> <tr> <th>CATEGORY</th> <th>OBSERVED</th> <th>OBSV'D SAMPLE</th> <th>INFIT</th> <th>OUTFIT</th> <th>STRUCTURE</th> <th>CATEGORY</th> </tr> <tr> <th>LABEL</th> <th>SCORE</th> <th>COUNT</th> <th>%AVRG EXPECT</th> <th>MNSQ</th> <th>MNSQ</th> <th>CALIBRATION</th> <th>MEASURE</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>0</td> <td>1 21</td> <td>-.15</td> <td>.03</td> <td>.93</td> <td>.78</td> <td>NONE</td> <td>((-3.67) 1 Not</td> </tr> <tr> <td>1</td> <td>1</td> <td>18 31</td> <td>.74</td> <td>1.02</td> <td>.94</td> <td></td> <td>-1.42</td> <td>((-1.10) 1 Action</td> </tr> <tr> <td>2</td> <td>2</td> <td>39 67</td> <td>1.47</td> <td>1.47</td> <td>.98</td> <td>.99</td> <td>1.42</td> <td>((-1.46) 2 Logic</td> </tr> </tbody> </table> <p>OBSERVED AVERAGE is mean of measures in category. It is not a parameter estimate.</p> <table border="1"> <thead> <tr> <th>CATEGORY</th> <th>STRUCTURE</th> <th>SCORE_TO_MEASURE</th> <th>50% CUM.</th> <th>COHERENCE</th> <th>ESTIM</th> </tr> <tr> <th>LABEL</th> <th>MEASURE S.E.</th> <th>AT CAT. -----ZONE-----</th> <th>(PROBABILITY)</th> <th>M->C</th> <th>M->DISCR</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>NON</td> <td>((-3.67) -INF -2.67)</td> <td></td> <td></td> <td></td> </tr> <tr> <td>1</td> <td>-2.53</td> <td>1.04 ((-1.10 -2.67 .46))</td> <td>-2.58</td> <td>50% 27%</td> <td>1.02 1 Action</td> </tr> <tr> <td>2</td> <td>.32</td> <td>.30 ((1.46 .46 +INF .38))</td> <td>.38</td> <td>89% 1.02 2 Logic</td> <td></td> </tr> </tbody> </table>	ITEM	ITEM DIFFICULTY MEASURE OF -1.10 ADDED TO MEASURES	1	1.42 ((-1.46) 2 Logic	CATEGORY	OBSERVED	OBSV'D SAMPLE	INFIT	OUTFIT	STRUCTURE	CATEGORY	LABEL	SCORE	COUNT	%AVRG EXPECT	MNSQ	MNSQ	CALIBRATION	MEASURE	0	0	1 21	-.15	.03	.93	.78	NONE	((-3.67) 1 Not	1	1	18 31	.74	1.02	.94		-1.42	((-1.10) 1 Action	2	2	39 67	1.47	1.47	.98	.99	1.42	((-1.46) 2 Logic	CATEGORY	STRUCTURE	SCORE_TO_MEASURE	50% CUM.	COHERENCE	ESTIM	LABEL	MEASURE S.E.	AT CAT. -----ZONE-----	(PROBABILITY)	M->C	M->DISCR	0	NON	((-3.67) -INF -2.67)				1	-2.53	1.04 ((-1.10 -2.67 .46))	-2.58	50% 27%	1.02 1 Action	2	.32	.30 ((1.46 .46 +INF .38))	.38	89% 1.02 2 Logic																																	
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<p>Asas untuk B&F Rajah 7.4 Mari kita lihat sebuah peta <i>threshold</i> kita. Jadual Output. Jadual 12.</p>																																																																																																													

Skrol ke bawah ke Jadual 12.6 50% Threshold kumulatif. Untuk menghasilkan gambar ini,

Ctrl+A "Select all" "Format"

"Font" Taip ^

Untuk memastikan kesemuanya tetap di dalam skrin.

"Rasch-Thurstone Thresholds" merupakan tanda di mana terdapat 50% kemungkinan diperhatikan dalam kategori bawah dan 50% diperhatikan dalam kategori atas kategori titik peralihan.

Dalam plot ini, setiap threshold is dikenali dengan kaategorii di sebelah kanannya (i.e., skala ukuran yang lebih tinggi.)

Tutup semua Windows yang terbuka.

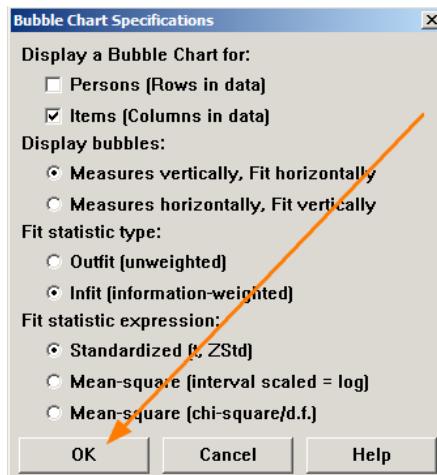
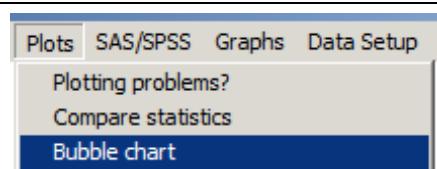
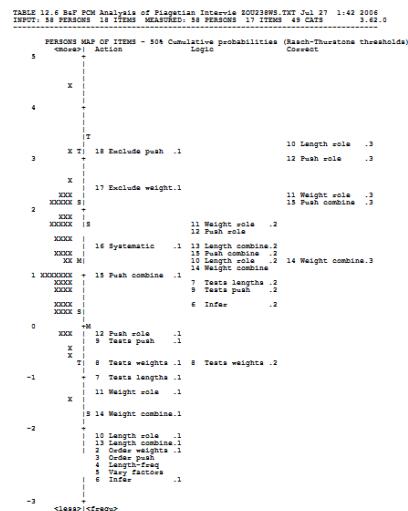
Untuk membina satu peta laluan yang sama dengan Laluan "Pendulum interview items" Bond & Fox Figure 7.3.

Klik "Plots" pada menu pull-down
Klik "Bubble Chart".

"Bubble Chart Specifications"?

Pilihan ini perlu dipilih terlebih dahulu dengan betul:
Items, Measures vertically, Infit, Standardized.

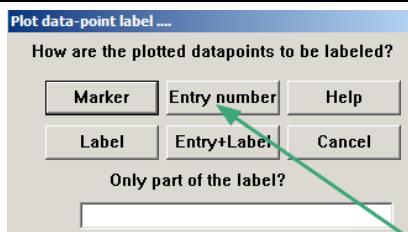
Klik "OK"

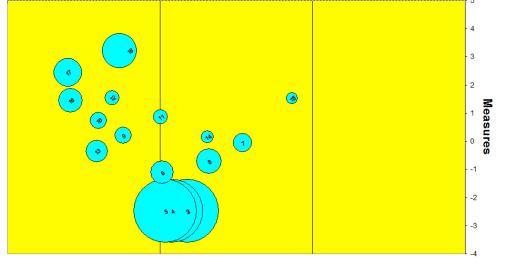
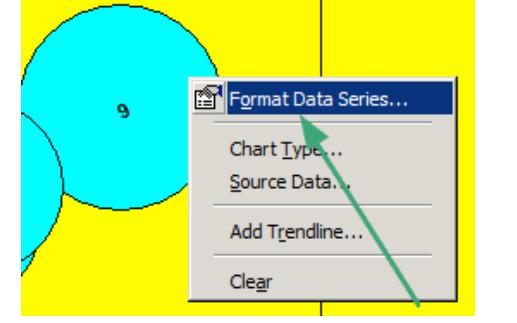
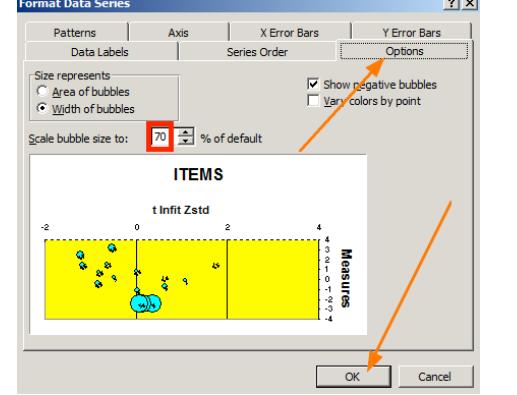
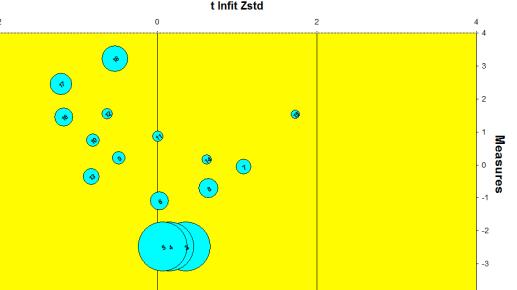


"Plot data-point label ..."?

Klik "Entry number"

(Winexcel akan berkomunikasi dengan Excel.)



<p>Setelah beberapa ketika, Excel memaparkan satu carta laluan</p>	
<p>Mari kurangkan saiz Buih-buih. Diameter mereka perlu dua kali lebih besar daripada kesalahan standard item ukuran. Jadi diameter buih yang terbesar - untuk Item 5 – perlu menjadi: $2 \times .71 = 1.4$ logits (seperti yang kita lihat dalam Jadual 14.1). Klik kanan mana-mana buih. Klik "Format Data Series" (bukan "Format Data Labels" ataupun "Format Data Points") Jika "Format Data Series" tidak tersenarai, klik kanan lebih bawah di dalam buih.</p>	
<p>Klik Tab "Options" Tukar "Saiz skala buih kepada "70% daripada default". Klik "OK".</p> <p>Bagaimana saiz menegak item 7 kelihatan di skala logit melintang? Hanya bawah satu setengah logit? Bagus.</p>	
<p>Anda juga boleh menggunakan fungsi Excel yang lain bagi menghasilkan satu plot buih yang menyerupai laluan dalam Bond & Fox Figure 7.3.</p> <p>Rajah 7.3 kategori threshold tidak ditunjukkan dalam plot Excel ini; mereka ditambah oleh TB untuk buku dengan menggunakan fungsi Lukisan.</p>	
<p>Tutup tetingkap pada bila-bila masa.</p>	