# A SCORING AND INTERPRETATION PROGRAM FOR THE MMPI-2 FAKE BAD SCALE (FBS)

### **INSTRUCTIONS:**

Enter the item responses below. Then go to the "Interpretation" worksheet for help in *Note: This scoring form will not work correctly if there are missing items.* If you already have the raw score, go directly to the Interpretation page and enter the

Total FBS Score

0

Item	Response (1 = TRUE	, 2 = FALSE)
11		ĺ
12		
18		
28		
30		
31		
39		
40		
41		
44		
57		
58		
59		
81		
110		
111		
117		
152		

Revised April 15, 20

Note: This program is The author assumes or interpretation, and The user is responsil scored and interprete Tolin, D.F. (2005). A s Fake Bad Scale (FBs

164     176     224     227     248     249     250     252     255     264     274     284     325     339     362     373     374     419     433     464     469     496     505     506     501
176     224     227     248     249     250     252     255     264     274     284     325     339     362     373     374     419     433     464     469     496     505     506
224     227     248     249     250     252     255     264     274     284     325     339     362     373     374     419     433     464     469     505     506
227
248     249     250     252     255     264     274     284     325     339     362     373     374     419     433     464     469     496     505     506
249     250     252     255     264     274     284     325     339     362     373     374     419     433     464     469     505     506
250
252     255     264     274     284     325     339     362     373     374     419     433     464     469     496     505     506
255     264     274     284     325     339     362     373     374     419     433     464     469     496     505     506
264     274     284     325     339     362     373     374     419     433     464     469     496     505     506
274     284     325     339     362     373     374     419     433     464     469     496     505     506
274     284     325     339     362     373     374     419     433     464     469     496     505     506
284     325     339     362     373     374     419     433     464     469     496     505     506
325     339     362     373     374     419     433     464     469     496     505     506
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362     373     374     419     433     464     469     496     505     506
373
374     419     433     464     469     496     505     506
419     433     464     469     496     505     506
419     433     464     469     496     505     506
433     464     469     496     505     506
464   469   496   505   506
469 496 505 506
496 505 506
505 506
506
561

Original scale citation: Lees-Haley P.R., English L.T., & Glenn W.J. (1991). A Fake Bad Scale on the MMPI-2 for personal injury claimants. Psychological Reports, 68, 203-210.

Examinee's Name (Optional):

Scoring program developed by David Tolin, Ph.D. Please send comments to dtolin@harthosp.org.



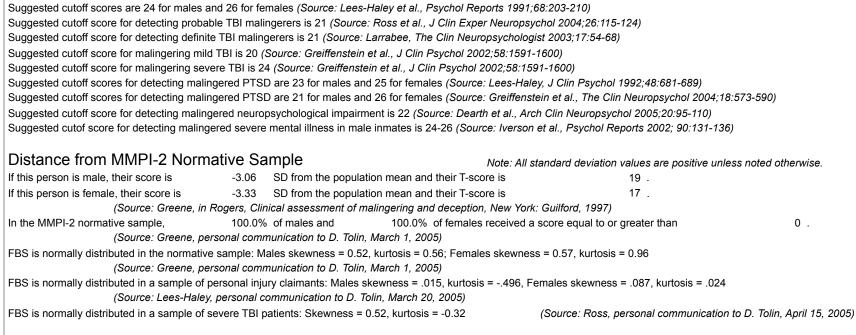
# FBS Total Score

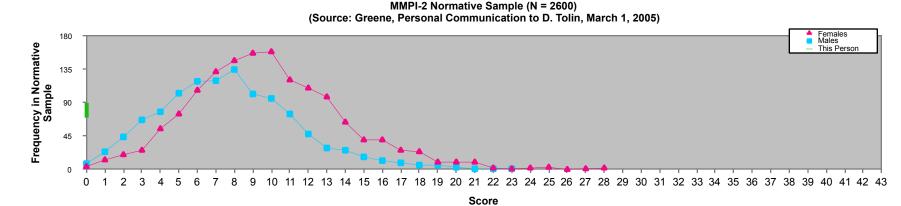


If you have calculated the total score from another program, you can enter it directly. Otherwise, this score is taken automatically from the Scoring page of this program.

0

## Suggested Cutoff Scores





Distance f	rom Other F	Populations		
This score is	-3.16	SD from the mean of a sample of 258 worker's compensation a	pplicants.	
This score is	-3.33	SD from the mean of a sample of 88 psychiatric patients.		
This score is	-2.60	SD from the mean of a sample of 45 people on criminal probati	on.	
This score is	-4.21	SD from the mean of a sample of 132 job applicants.		
		(Source: Fox, personal communication to D. Tolin, March 2, 200	05)	
This score is	-3.47	SD from the mean of a sample of 100 patients with reported co	• •	5
This score is	-3.58	SD from the mean of a sample of 100 patients with reported co	• •	nent who were involved in litigation.
		(Source: Meyers et al., Arch Clin Neuropsychol 2002; 17:157-1	69)	
This score is	-4.60	SD from the mean of female custody litigants and	-4.60	SD from the mean of male custody litigants (no alleged child abuse).
This score is	-4.19	SD from the mean of female custody litigants and	-4.39	SD from the mean of male custody litigants (alleged physical abuse).
This score is	-4.57	SD from the mean of female custody litigants and	-4.35	SD from the mean of male custody litigants (alleged sexual abuse).
This score is	-3.23	SD from the mean of female personal injury litigants and	-3.23	SD from the mean of male personal injury litigants.
		(Source: Posthuma & Harper, Prof Psychol: Res & Pract 1998;2	,	
		(Note: Gender-specific N's not reported. Custody litigants/no a	buse N = 80; c	ustody litigants/alleged abuse N = 108; personal injury N = 95)
This score is	-3.10	SD from the mean of 492 personal injury litigants claiming impa	irment from pl	nysical or psychological trauma.
		(Source: Lees-Haley, J Clin Psychol 1997; 53:745-755)		
This score is	-3.31	SD from the mean of a sample of 120 psychiatric clinic patients	who were inv	olved in litigation.
This score is	-3.00	SD from the mean of a sample of 208 psychiatric clinic patients	who were not	involved in litigation.
This score is	-3.44	SD from the mean of a sample of 43 control participants with no	o history of psy	chological disorder.
		(Source: Tsushima & Tsushima, Assessment 2001; 8:205-212)		
This score is	-2.01	SD from the mean of a sample of 20 male medical patients beir	ng assessed fo	or organ transplant.
This score is	-2.44	SD from the mean of a sample of 25 male veterans in substance	e abuse treatr	nent.
		(Source: Iverson et al., Psychol Reports 2002; 90:131-136)		
Distance f	rom Probab	le Malingering and Non-Malingering Group	S	
This score is	-5.87	SD from the mean of a sample of 25 personal injury litigants jud	lged to be mal	ingering (based on FBS $\geq$ 20).
This score is	-3.83	SD from the mean of a sample of 20 personal injury litigants jud	-	
This score is	-3.88	SD from the mean of a sample of 16 medical outpatients instruc	-	
This score is	-2.19	SD from the mean of a sample of 15 medical outpatients instruc		
This score is	-3.38	SD from the mean of a sample of 36 medical outpatients instruct	cted to simulat	e emotional distress from job stress.
This score is	-2.94	SD from the total mean of 67 medical outpatients instructed to s	simulate emoti	onal distress.
		(Source: Lees-Haley et al., Psychol Reports 1991;68:203-210)		

I		
This score is This score is	-3.14 -5.59	SD from the mean of a sample of 59 TBI patients who are not seeking compensation. SD from the mean of a sample of 59 patients seeking compensation for mild TBI who scored poorly on a malingering test. (Source: Ross et al., J Clin Exper Neuropsychol 2004;26:115-124)
This score is This score is	-8.36 -4.72	SD from the mean of males with probable PTSD and-9.16SD from the mean of 33 females with probable PTSD.SD from the mean of 26 males who appear to malinger PTSD and (Source: Greiffenstein et al., The Clin Neuropsychol 2004;18:573-590)-9.16SD from the mean of 31 females who appear to malinger PTSD.
This score is	-3.43	SD from the mean of a sample of 64 personal injury litigants claiming non-PTSD psychological distress.
This score is	-5.23	SD from the mean of a sample of 55 personal injury litigants appearing to malinger PTSD (e.g., trauma clearly did not meet DSM IIIR criterion A). (Source: Lees-Haley, J Clin Psychol 1992;48:681-689)
This score is	-5.61	SD from the mean of a a sample of 33 people claiming neuropsychological impairment who scored poorly on a malingering test. (Source: Larrabee, Arch Clin Neuropsychol 2003;18:673-686)
This score is	-5.12	SD from the mean of a sample of 24 definite neuropsychological malingerers.
This score is	-4.69	SD from the mean of a sample of 17 definite neuropsychological malingerers.
This score is	-3.16	SD from the mean of a sample of 54 patients with moderate/severe TBI, psychiatric disorder, or mixed neurologic diagnoses.
		(Source: Larrabee, The Clin Neuropsychol 2003;17:410-425;
		additional data from this study found in Larrabee, Forensic Neuropsychology: A Scientific Approach, New York: Oxford, 2005 p. 128)
This score is	-3.40	SD from the mean of a sample of 23 TBI patients instructed to malinger TBI.
This score is	-2.27	SD from the mean of a sample of 23 TBI patients instructed to respond honestly.
This score is	-3.70	SD from the mean of a sample of 23 healthy volunteers instructed to malinger TBI.
This score is	-2.96	SD from the mean of a sample of 23 healthy volunteers instructed to respond honestly.
		(Source: Dearth et al., Arch Clin Neuropsychol 2005;20:95-110)
This score is	-4.83	SD from the mean of a sample of 26 people claiming neuropsychological impairment who scored poorly on a malingering test.
This score is	-2.60	SD from the mean of a sample of 29 known TBI patients.
		(Source: Larrabee, The Clin Neuropsychol 2003;17:54-68)
This score is	-2.39	SD from the mean of a sample of 25 male minimum security prison inmates.
This score is	-3.72	SD from the mean of a sample of 25 male minimum security prison inmates instructed to malinger severe psychiatric problems.
		(Source: Iverson et al., Psychol Reports 2002; 90:131-136)
This score is	-3.80	SD from the mean of a sample of 42 patients with chronic psychiatric problems instructed to respond normally.
This score is	-4.35	SD from the same sample of 42 psychiatric patients instructed to malinger severe psychiatric problems.
		(Source: Rogers et al., Assessment 1995; 2:81-89)
This score is	-3.42	SD from the mean of a sample of 61 patients with PTSD (validity of diagnosis not checked).

This score is	-4.98	SD from the mean of a sample of 35 college st	-		
	-5.43		•	r PTSD who were coached about PTSD symptoms.	
This score is	-5.15		•	r PTSD who were coached about MMPI-2 validity scal	
This score is	-3.20	SD from the mean of a sample of 37 college st (Source: Bury & Bagby, Psychol Assess 2002;	=	r PTSD who were coached about PTSD and validity so	cales.
This score is	-3.99	SD from the mean of a sample of 159 mild TBI	plaintiffs with illogical sympto	om histories.	
This score is	-2.73	SD from the mean of a sample of 68 patients w (Source: Greiffenstein et al., J Clin Psychol 200		o severe TBI.	
This score is	-4.00	SD from the mean of a sample of 48 patients w	vith major depressive disorde	er.	
This score is	-6.45	SD from the mean of a sample of 23 mental he	alth professionals instructed	to malinger major depressive disorder.	
This score is	-2.80	SD from the mean of a sample of 50 psychiatri (Source: Bagby et al., Assessment 2000; 7:55-	•	ner than major depressive disorder.	
This score is	-5.64	SD from the mean of a sample of 85 undergrad	Ŭ		
This score is	-4.90	SD from the mean of a sample of 64 outpatient (Source: Elhai et al., Assessment 2001; 8: 221		hild sexual abuse.	
Sensitivity and Spe In a comparison of	ecificity mild TBI pati	ents and patients seeking compensation for mild		<b>5 6 1</b>	0
Sensitivity and Spe In a comparison of 100.0% of proba	ecificity mild TBI pati able malinger (Source: I	ents and patients seeking compensation for mild ers obtained a score greater than or equal to Ross et al., J Clin Exper Neuropsychol 2004;26:1	0 , and (15-124)	malingering test, 0.0% of TBI patients scored below	0
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a score of 0 or lower meant that the person had a Below range\* chance of being in the PTSD group (males).

(Source: Greiffenstein et al., The Clin Neuropsychol 2004;18:573-590)

\*Notes: "Below range" means that this person scored lower than did anyone in the study sample. A 0% probability of being in the malingering group might be inferred. "Above range" means that this person scored higher than did anyone in the study sample. A 100% probability of being in the malingering group might be inferred. Fake Bad Scale Interpretation Page

#### References

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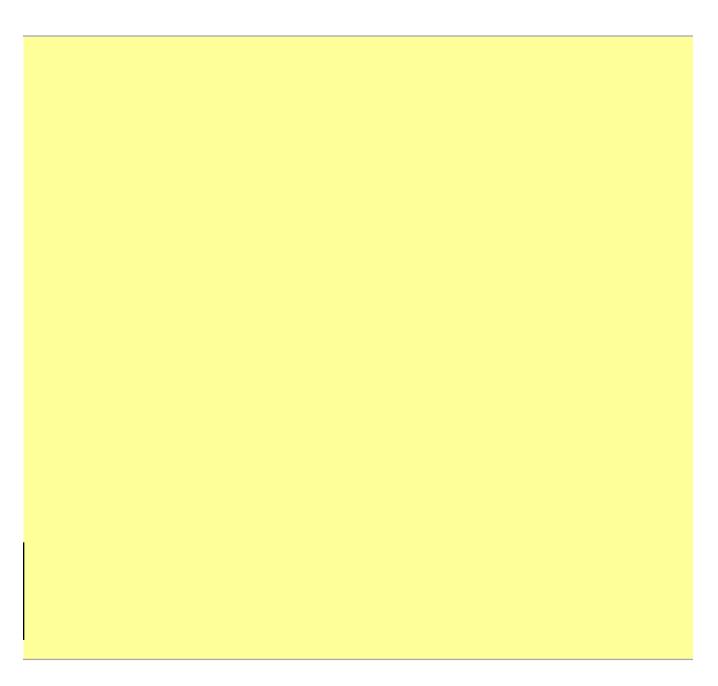
Tsushima, W.T. & Tsushima, V.G. (2001). Comparison of the Fake Bad Scale and other MMPI-2 validity scales with

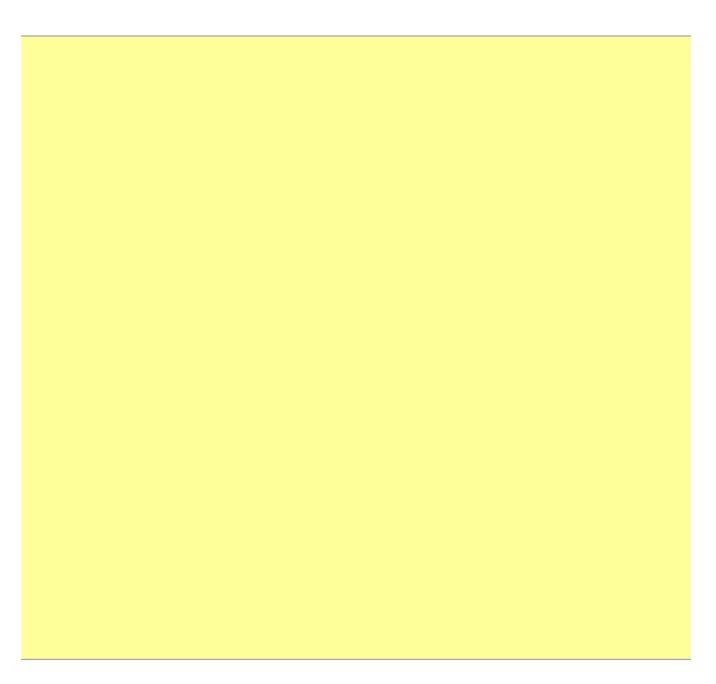
#### Answer Key to the FBS:

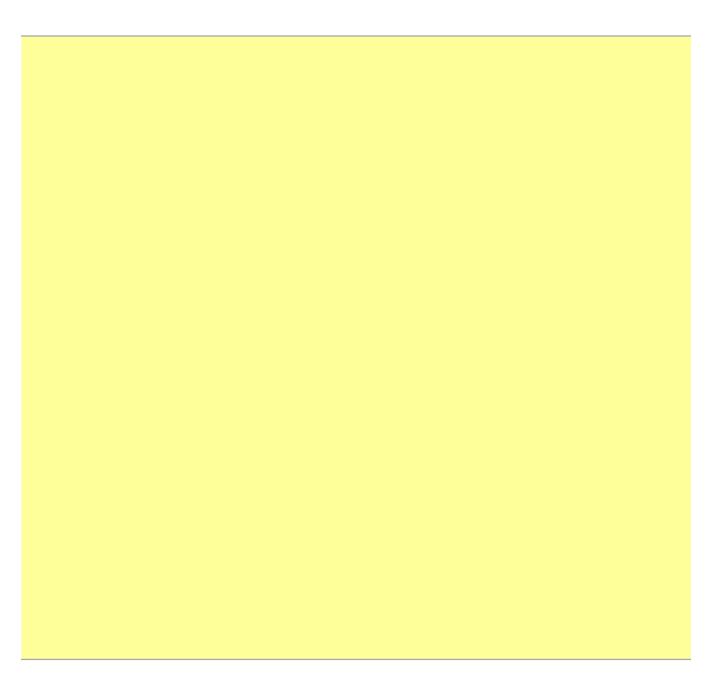
Following are the MMPI-2 items and scored direction of answering for the Fake Bad Scale (FBS):

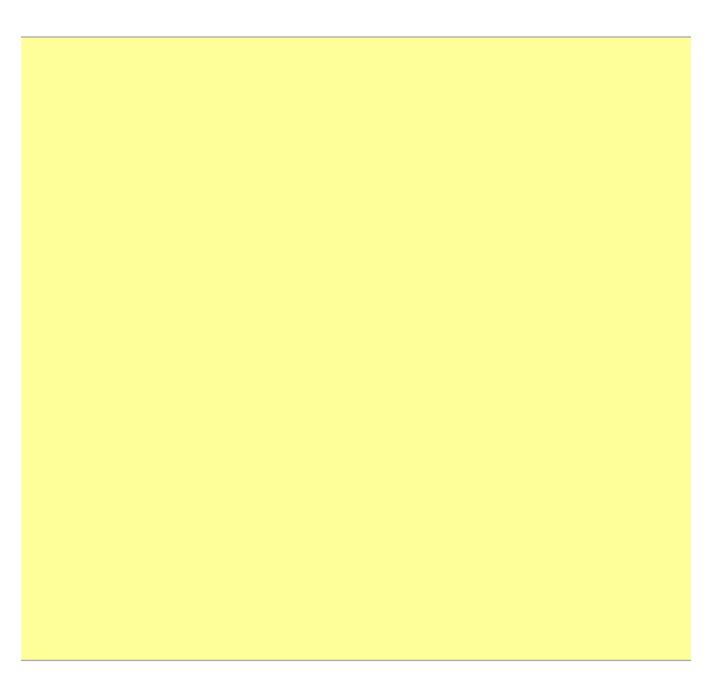
Add one point if marked True: 11, 18, 28, 30, 31, 39, 40, 44, 59, 111, 252, 274, 325, 339,

Add one point if marked False: 12, 41, 57, 58, 81, 110, 117, 152, 164, 176, 224, 227, 24









Ross et al.			Greiffenste	ein et al.						
Score	Sensitivity	Specificity		PPP Fema	les					
0	1	0	Base rate	0	1	2	3	4	5	6
1	1	0	0.5	5 Below rang	Below rang	Below rang	Below rang	Below range	Below range	Below rang
2	1	0	0.2	5 Below rang	Below rang	Below rang	Below rang	Below range	Below range	Below rang
3	1	0		PPP Males	i					
4	1	0	Base rate	0	1	2	3	4	5	6
5	1	0	0.5	5 Below rang	Below rang	Below rang	Below rang	Below range	Below range	Below rang
6	1	0	0.2	5 Below rang	Below rang	Below rang	Below rang	Below range	Below range	Below rang
7	1	0		NPP Fema	les					
8	1	0.034	Base rate	0	1	2	3	4	5	6
9	1	0.051	0.5	5 Below rang	Below rang	Below rang	Below rang	Below range	Below range	Below rang
10	1	0.102	0.2	5 Below rang	Below rang	Below rang	Below rang	Below range	Below range	Below rang
11	1	0.254		NPP Males						
12	1	0.322	Base rate	0	1	2	3	4	5	6
13	1	0.356	0.5	5 Below rang	Below rang	Below rang	Below rang	Below range	Below range	Below rang
14	1	0.475	0.2	5 Below rang	Below rang	Below rang	Below rang	Below range	Below range	Below rang
15	1	0.559								
16	1	0.593								
17	1	0.61	Greene: F	requencies in	the MMPI2	Normative \$	Sample			
18	1	0.746		Males	Females	Cum male		Pct_male	Pct fem	Inv_pct_m
19	0.983	0.797	0	0	0	0	0	0.00%	0.00%	100.00%
20	0.949	0.547	1	0	0	0	0	0.00%	0.00%	100.00%
21	0.898	0.898	2	0	0	0	0	0.00%	0.00%	100.00%
22	0.881	0.915		3 8	3	8	3	0.70%	0.21%	99.30%
23	0.881	0.9449	4	1 8	4	16	7	1.41%	0.48%	98.59%
24	0.847	0.949		5 24	13	40	20	3.51%	1.37%	96.49%
25	0.814	0.949		6 44	20	84	40	7.38%	2.74%	92.62%
26	0.712	0.983		7 67	26	151	66	13.27%	4.51%	86.73%
27	0.661	1	8	3 78	55	229	121	20.12%	8.28%	79.88%
28	0.593	1		9 103	75	332	196	29.17%	13.41%	70.83%
29	0.508	1	1(	) 119	107	451	303	39.63%	20.73%	60.37%
30	0.424		1 <sup>-</sup>			571	435	50.18%	29.75%	49.82%
31	0.407		12	-		706	582	62.04%	39.81%	37.96%

32	0.322	1		13	102	157	808	739	71.00%	50.55%	29.00%
33	0.203	1		14	96	159	904	898	79.44%	61.42%	20.56%
34	0.169	1		15	75	121	979	1019	86.03%	69.70%	13.97%
35	0.153	1		16	48	110	1027	1129	90.25%	77.22%	9.75%
36	0.102	1		17	29	98	1056	1227	92.79%	83.93%	7.21%
37	0.068	1		18	26	64	1082	1291	95.08%	88.30%	4.92%
38	0.034	1		19	17	40	1099	1331	96.57%	91.04%	3.43%
39	0.064	1		20	12	40	1111	1371	97.63%	93.78%	2.37%
40	0	1		21	9	26	1120	1397	98.42%	95.55%	1.58%
41	0	1		22	6	24	1126	1421	98.95%	97.20%	1.05%
42	0	1		23	6	10	1132	1431	99.47%	97.88%	0.53%
43	0	1		24	3	10	1135	1441	99.74%	98.56%	0.26%
				25	1	10	1136	1451	99.82%	99.25%	0.18%
Larrabee et	t al.			26	1	2	1137	1453	99.91%	99.38%	0.09%
Score	Sensitivity	Specificity		27	1	1	1138	1454	100.00%	99.45%	0.00%
0	1	0		28		2	1138	1456	100.00%	99.59%	0.00%
1	1	0		29		3	1138	1459	100.00%	99.79%	0.00%
2	1	0		30		0	1138	1459	100.00%	99.79%	0.00%
3	1	0		31		1	1138	1460	100.00%	99.86%	0.00%
4	1	0		32		2	1138	1462	100.00%	100.00%	0.00%
5	1	0.034		33							0.00%
6	1	0.034		34							0.00%
7	1	0.034		35							0.00%
8	1	0.138		36							0.00%
9	1	0.138		37							0.00%
10	1	0.172		38							0.00%
11	1	0.207		39							0.00%
12	1	0.207		40							0.00%
13	1	0.276		41							0.00%
14	1	0.31		42							0.00%
15	1	0.448		43							0.00%
16	1	0.517	This F	Person							
17	0.962	0.552		0	80						
18	0.923	0.552									

19	0.923	0.69					
20	0.923	0.793					
21	0.808	0.862					
22	0.808	0.862					
23	0.692	0.862					
24	0.615	0.862					
25	0.615	0.931					
26	0.538	0.966					
27	0.5	0.966					
28	0.5	0.966					
29	0.423	0.966					
30	0.385	0.966					
31	0.308	1					
32	0.192	1					
33	0.115	1					
34	0.115	1					
35	0.038	1					
36	0	1					
37	0	1					
38	0	1					
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40	0	1					
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42	0	1					
43	0	1					

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		Below rang		-				0.69	0.68	0.92	0.95
Delow rang	0.03	0.03	0.00	0.71	0.00						
19	20	21	22	23	24	25	26	27	28	29	30
Below rang	Below rang	0.67	0.67	0.67	0.67	0.67	0.67	0.65	0.78	0.87	1
Below rang	Below rang	0.42	0.42	0.42	0.42	0.42	0.42	0.38	0.54	0.69	1
19	20	21	22	23	24	25	26	27	28	29	30
Below rang	0.82	0.78	0.72	0.64	0.61						
Below rang	0.93	0.89	0.89	0.87	0.82						
19	20		22	23	24	25	26	27	28	29	30
Below rang	Below rang	0.83	0.83	0.83	0.83	0.83	0.65	0.66	0.63	0.63	0.59
Below rang	Below rang	0.94	0.94	0.94	0.94	0.94	0.85	0.84	0.84	0.84	0.81


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Above rang	Above ran										
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0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	Above rang	Above ran
0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	Above rang	Above rang
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		Above rang		-				-			
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