Discussion of Issues and Approaches Presented by Templin and Teresi



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Discussion Points

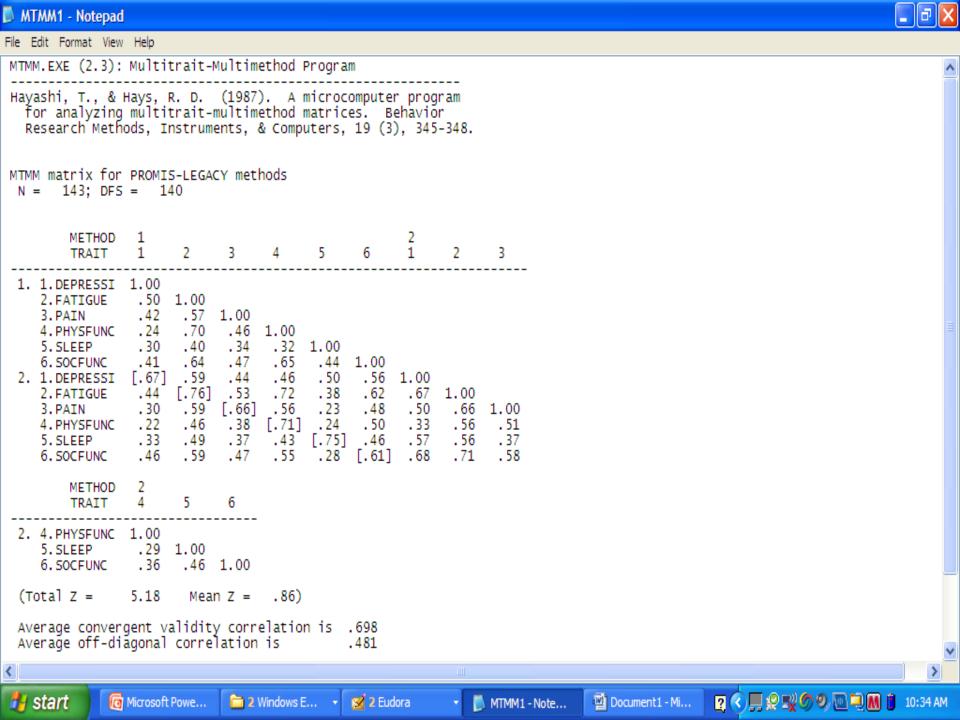
- Always use familiar along with unfamiliar ("more sophisticated") methods
- Sophisticated approaches often may not lead to different conclusions but they could and you can often learn something unique
- All "quantitative" methods identify problems but supplemental approaches ("qualitative") needed to find out why

Item-Scale Correlation Matrix-Patient Satisfaction Questionnaire

	Technical	Interpersonal	Communication	Financial
Communication				
1	0.58†	0.59†	0.61*	0.26
2	0.47†	0.50†	0.50*	0.25
3	0.58†	0.66†	0.63*	0.23
4	0.66†	0.66†	0.67*	0.25
5	0.66†	0.71†	0.70*	0.25
Financial				
1	0.35	0.35	0.35	0.72*
2	0.17	0.14	0.15	0.65*
3	0.25	0.23	0.23	0.61*
4	0.18	0.15	0.16	0.67*
5	0.31	0.27	0.29	0.70*
6	0.24	0.23	0.22	0.73*
7	0.25	0.23	0.25	0.55*
8	0.34	0.31	0.31	
0.64* Cronbach's alpha	0.80	0.82	0.82	0.88

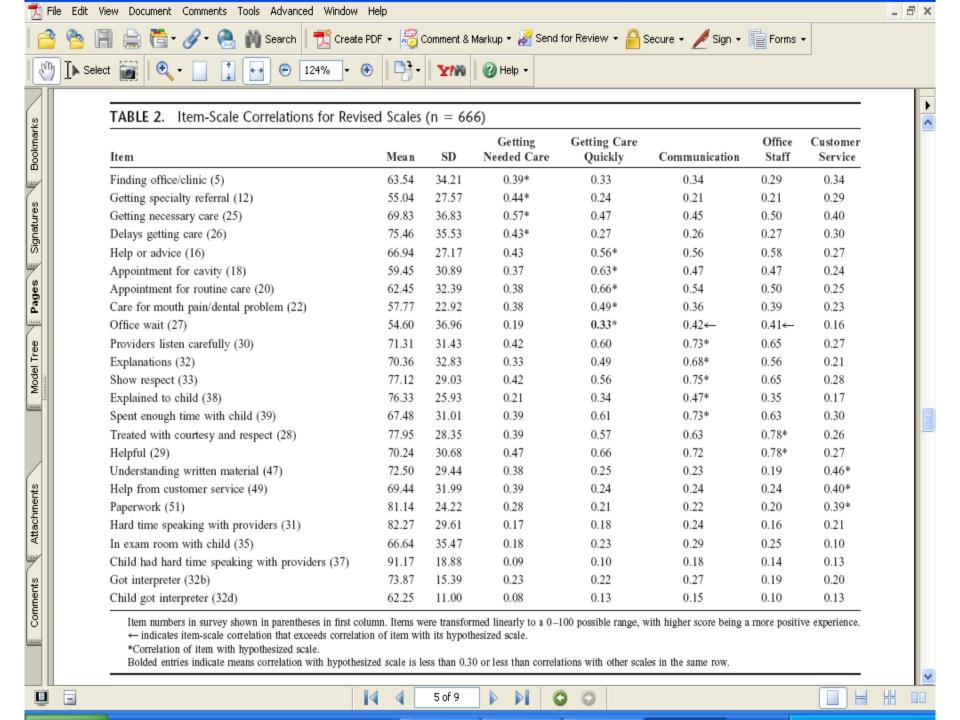
Note – Standard error of correlation is 0.03. Technical = satisfaction with technical quality. Interpersonal = satisfaction with the interpersonal aspects. Communication = satisfaction with communication. Financial = satisfaction with financial arrangements.

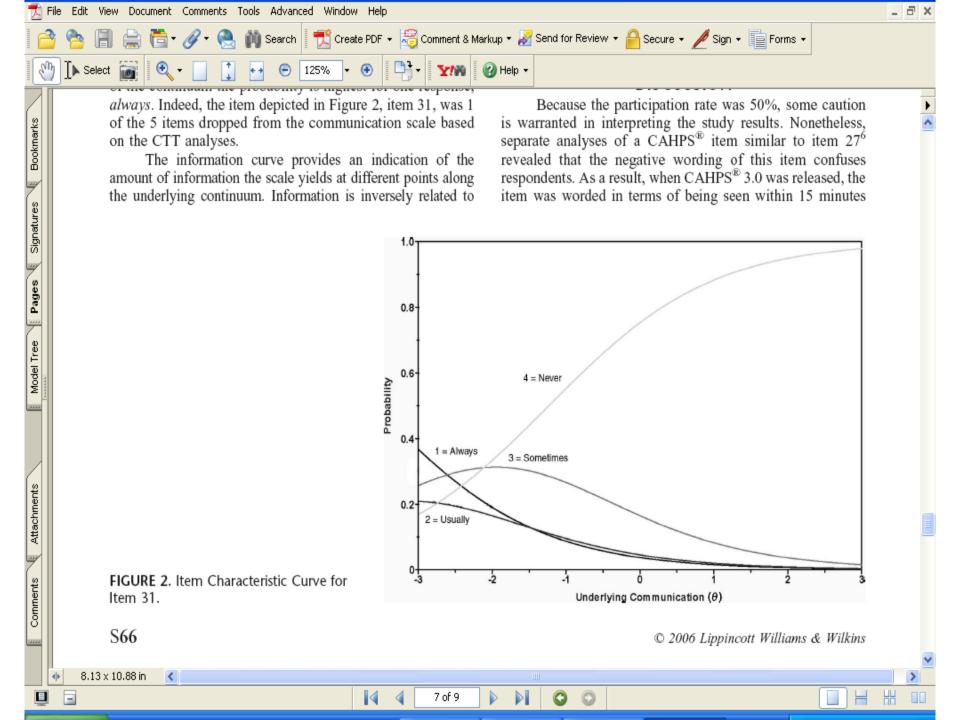
^{*}Item-scale correlations for hypothesized scales (corrected for item overlap). †Correlation within two standard errors of the correlation of the item with its hypothesized scale.



DIF

- Logistic (ordinal) regression
- Item response regressed on
 - Total scale score
 - Group
 - Interaction between total scale score and group





Hard time speaking with or understanding child's dentist because you spoke different languages

- Complex item?
- Insufficient number of individuals in sample for which these item applies
- Something else?

Person Fit

Large negative Z_L values indicate misfit.

- Person responded to 14 items in physical functioning bank (Z_L = -3.13)
 - For 13 items the person could do the activity (including running 5 miles) without any difficulty.
 - However, this person reported a little difficulty being out of bed for most of the day.