Advanced Technological Education Metaevaluation: Interrater Reliability Results & Discussion

Webinar presented by

Lori A. Wingate

September 30, 2009

Welcome

Lori	Stephanie	Mark
Wingate	Evergreen	Viquesney
Presenter	Moderator	Host & Technical Coordinator

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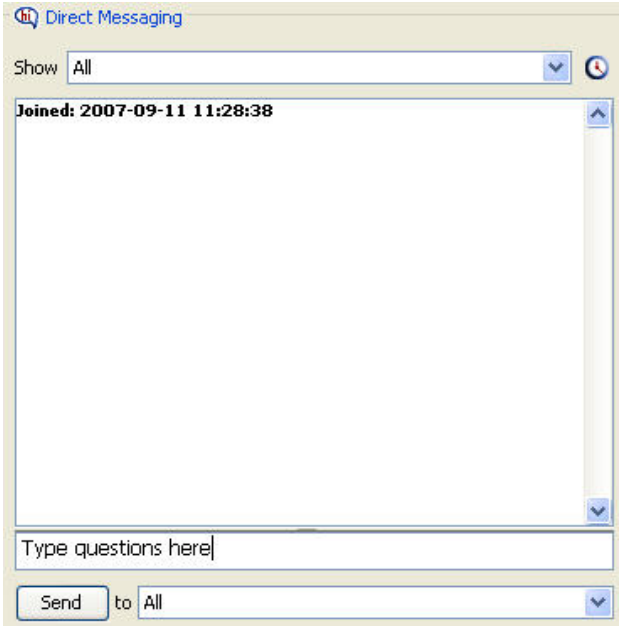

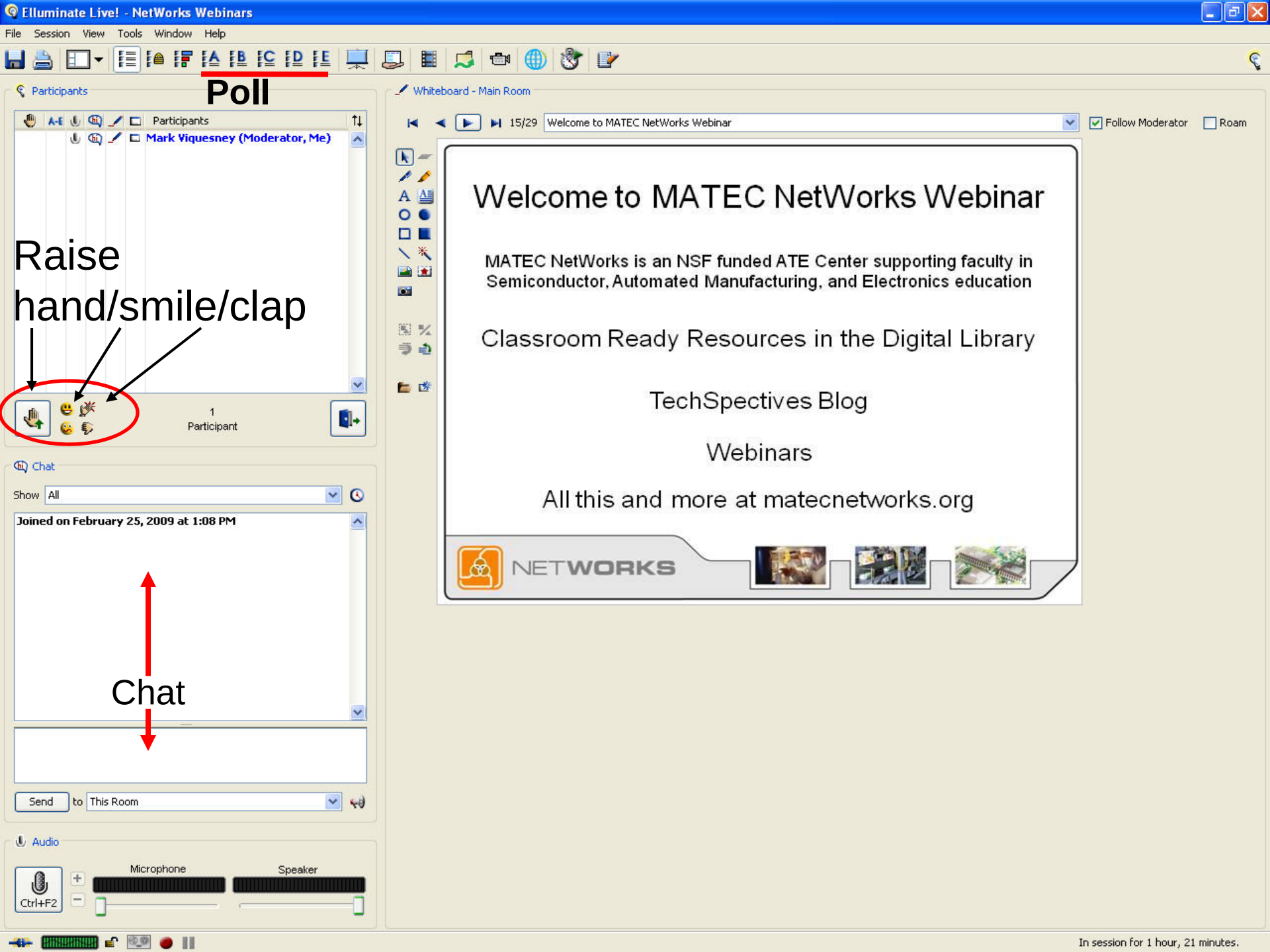
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In session for 1 hour, 21 minutes.

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1. Study purposes
2. Design
3. Statistical methods
4. Interrater reliability results
5. Metaevaluation ratings
6. Discussion

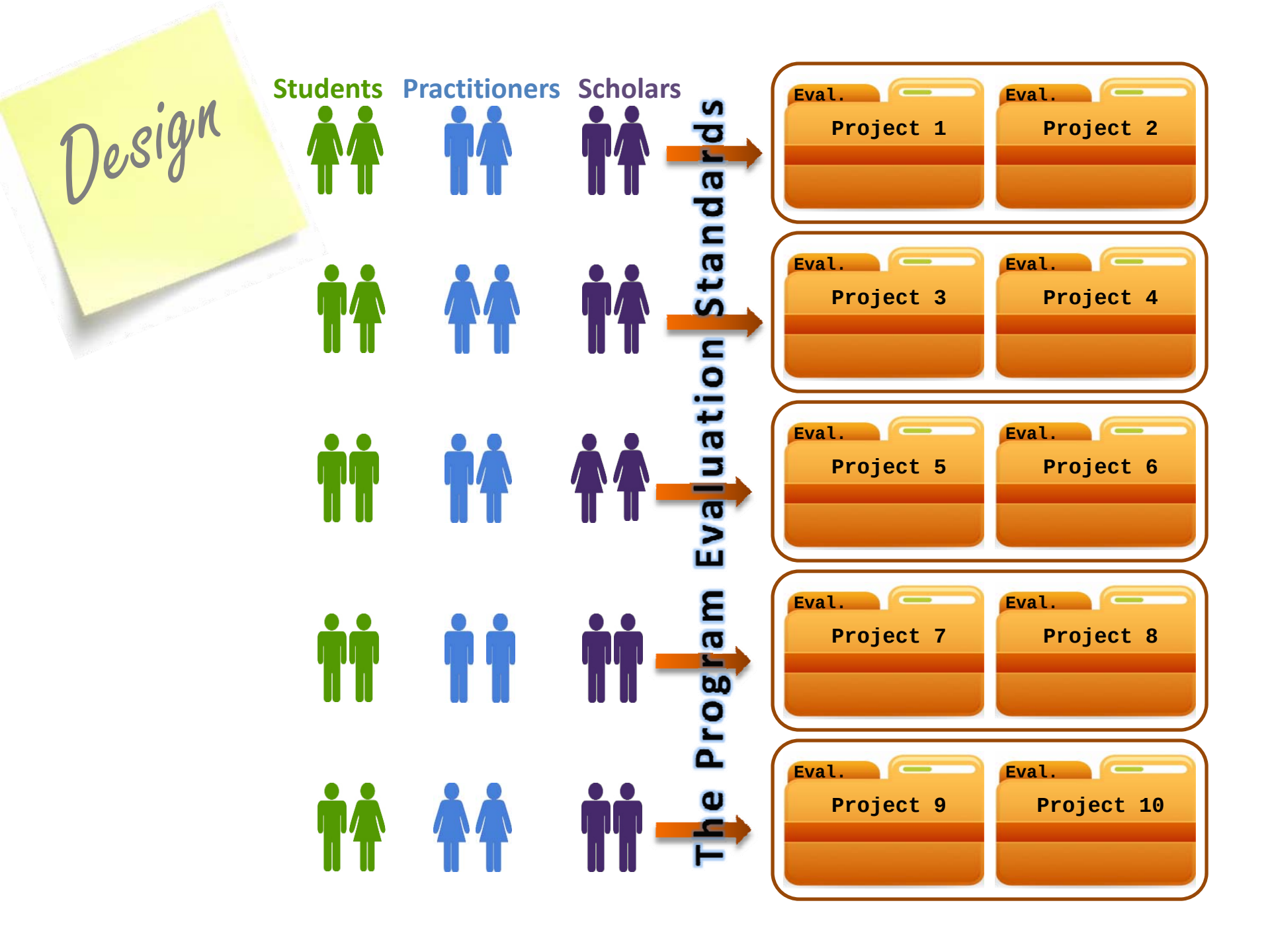
1. Identify strengths and weaknesses of ATE evaluations

2. Investigate interrater reliability in metaevaluation

Purposes

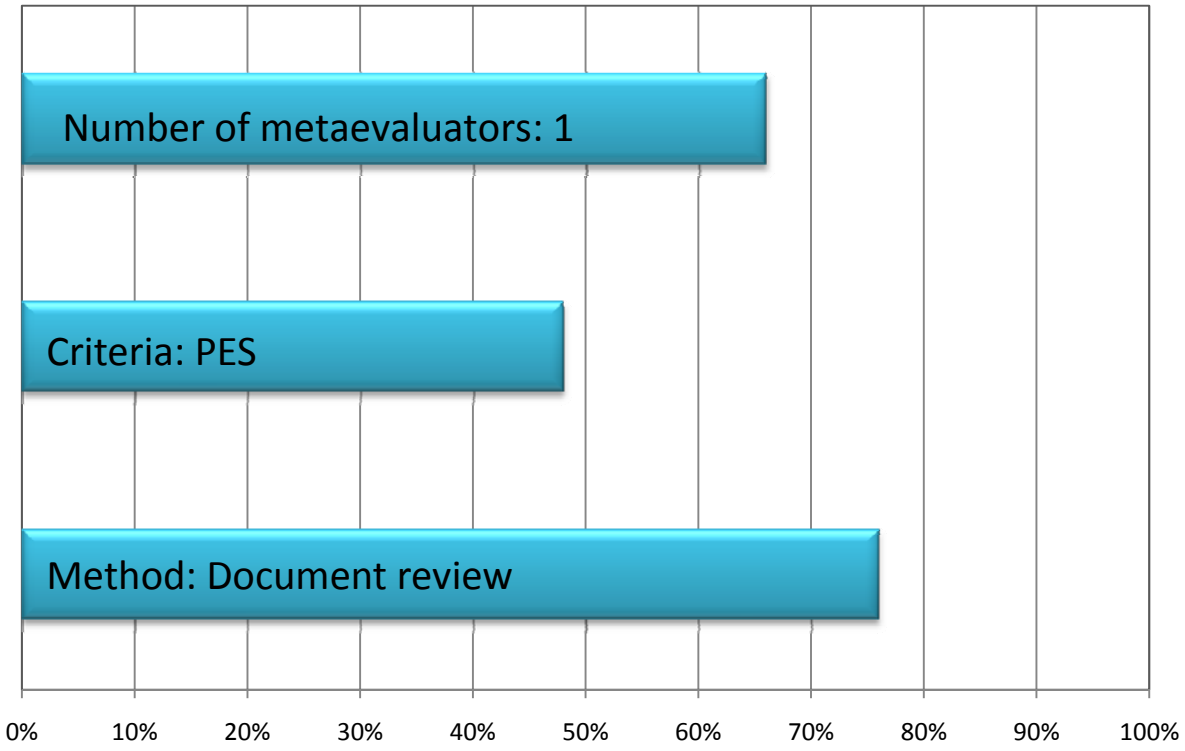
1. Identify strengths and weaknesses of ATE evaluations

2. Investigate interrater reliability in metaevaluation


Design
Students
Practitioners
Scholars
The Program Evaluation Standards
Eval.
Project 1
Eval.
Project 2
Eval.
Project 3
Eval.
Project 4
Eval.
Project 5
Eval.
Project 6
Eval.
Project 7
Eval.
Project 8
Eval.
Project 9
Eval.
Project 10

About the design

Reflects typical, not ideal approach



Based on review of 54 published metaevaluations

Intraclass correlation coefficient (ICC)

Proportion of variance in observed scores that is due to differences in true scores

Percent exact agreement

Proportion of instances in which raters gave exactly the same rating

Percent adjacent agreement

Proportion of instances in which raters gave ratings within 1 point of each other

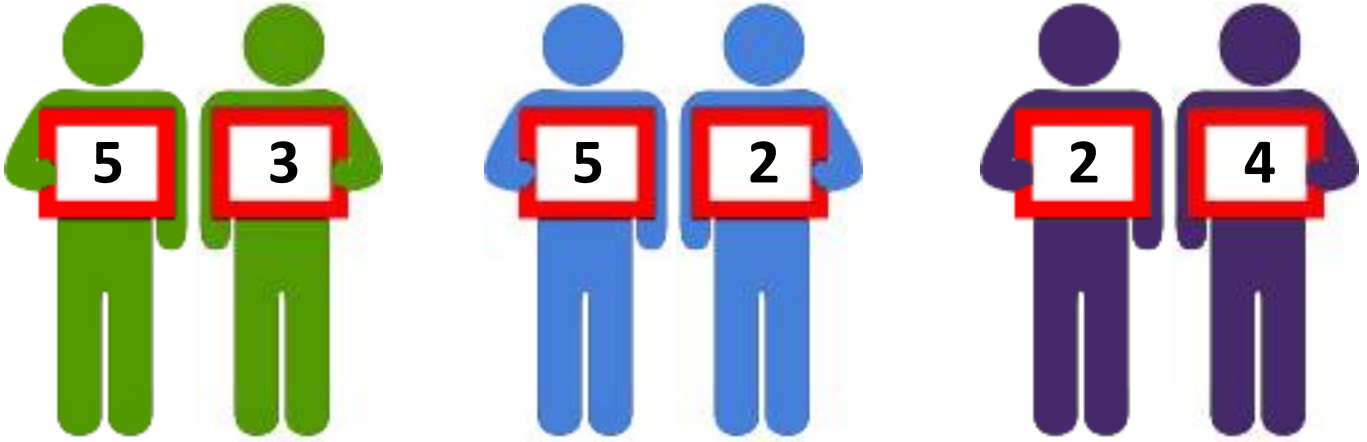
Spearman-Brown Prophecy Formula

Estimate of the number of raters needed to achieve ICC of .80

Example

Standard A10 Justified Conclusions

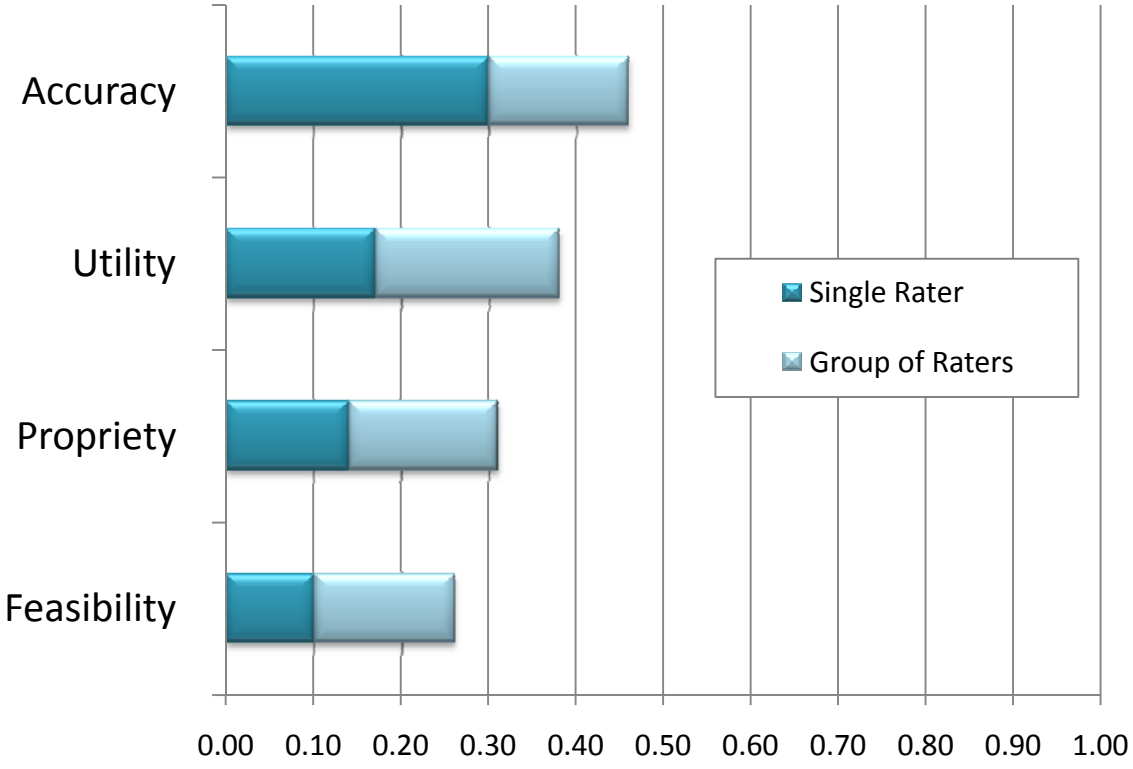
The conclusions reached in an evaluation should be explicitly justified, so that stakeholders can assess them.



x 10 evaluations x 29 standards

Results

Intraclass correlation coefficients



Results

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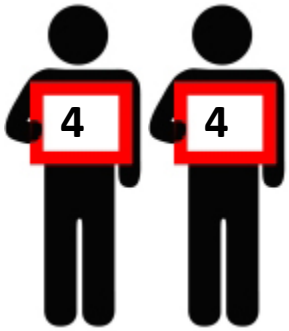
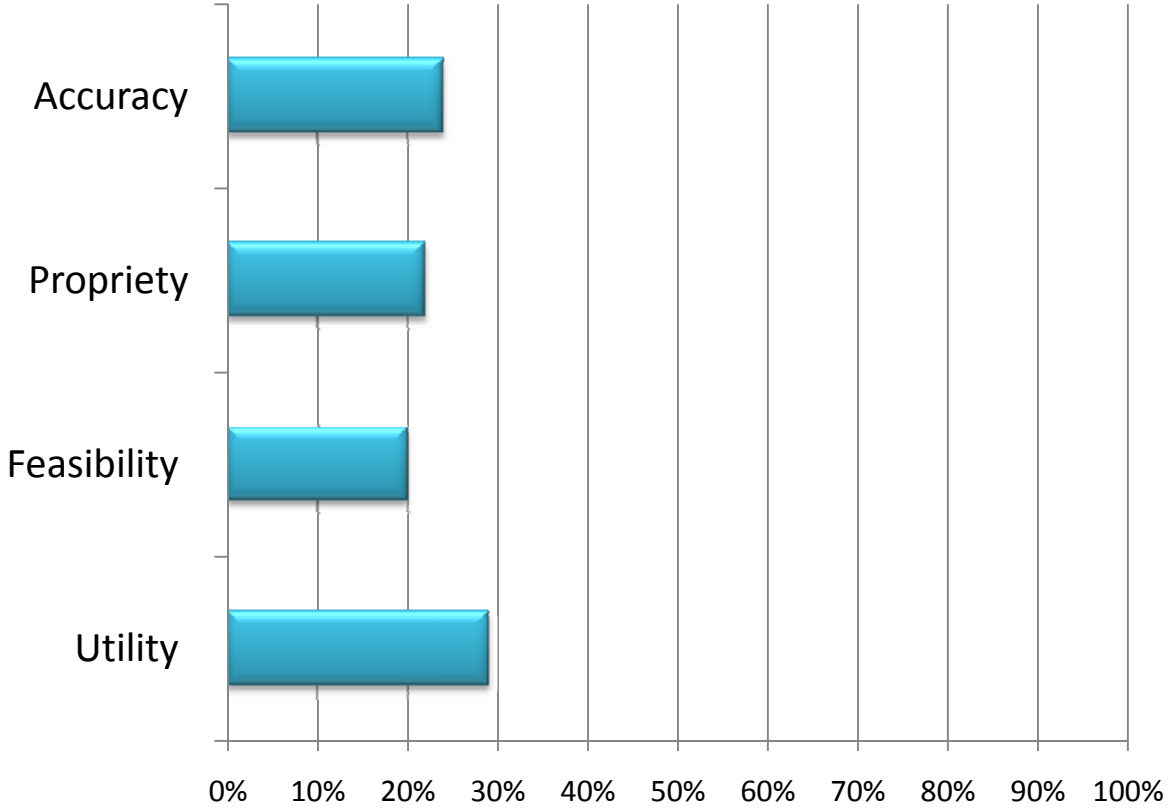
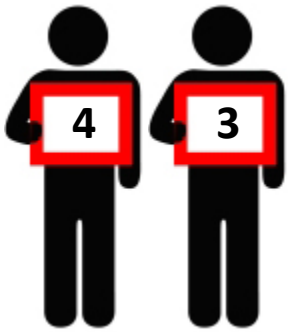
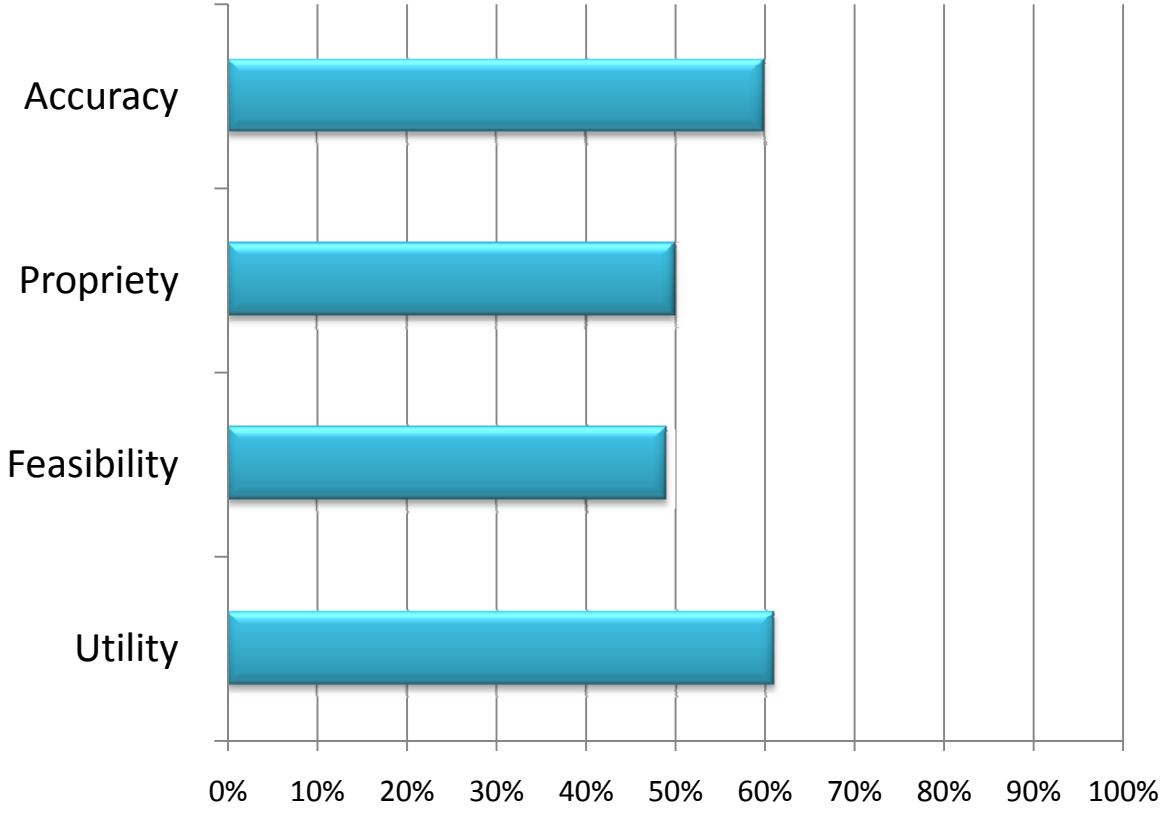




Results

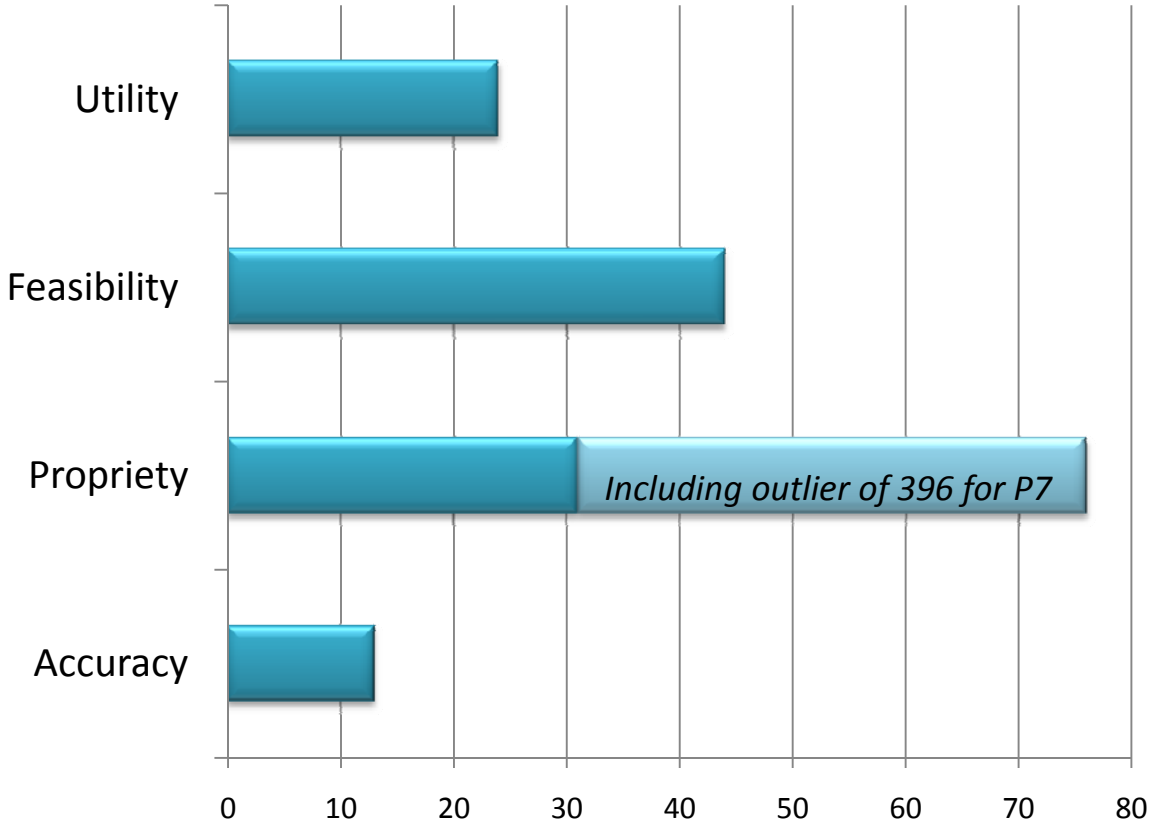
Percent adjacent agreement





Results

Number of raters needed for ICC of .80



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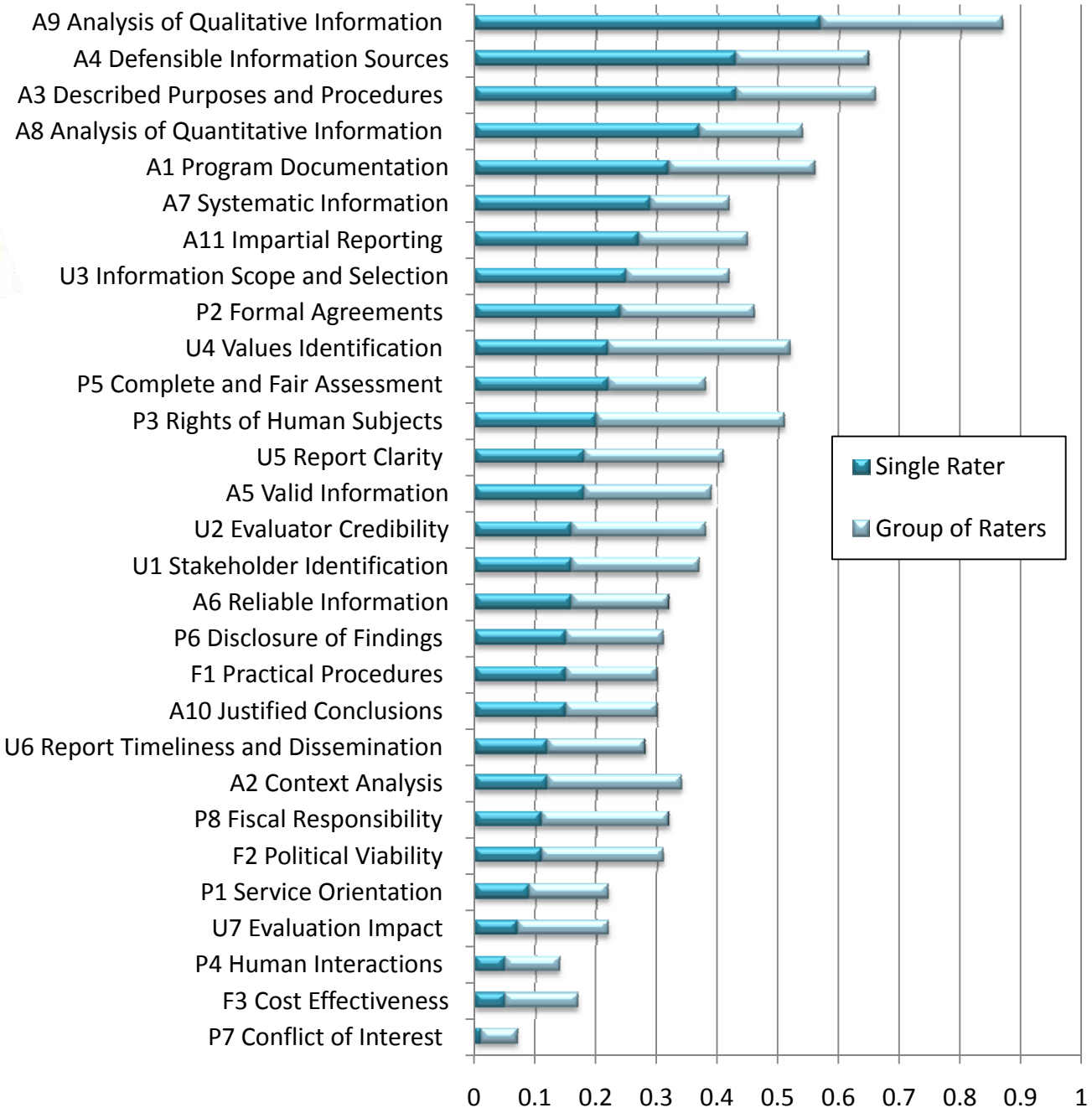

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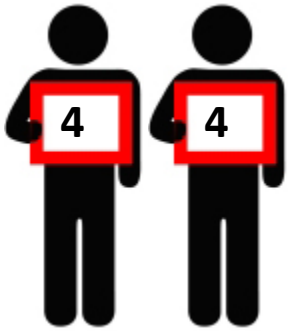

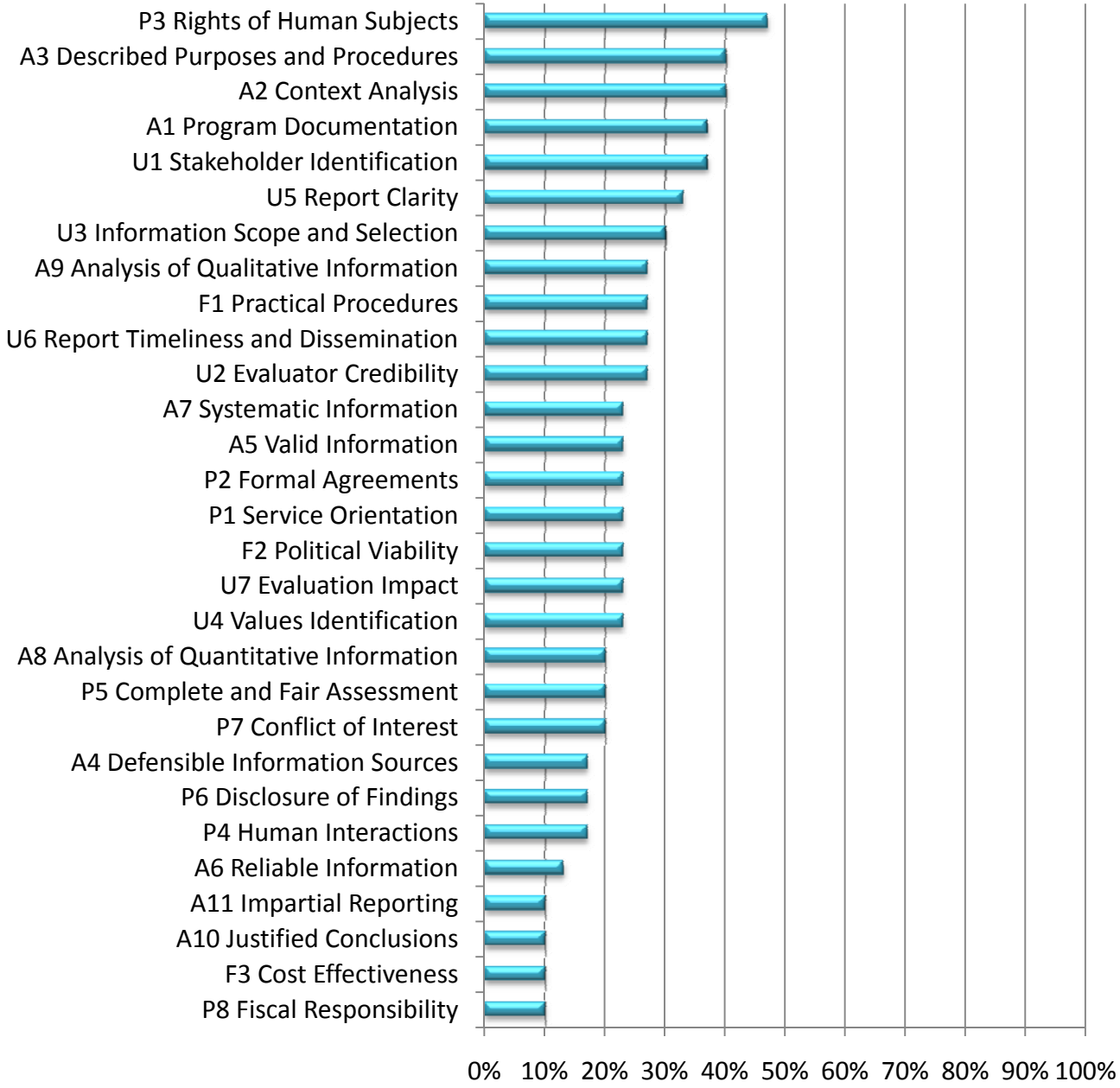

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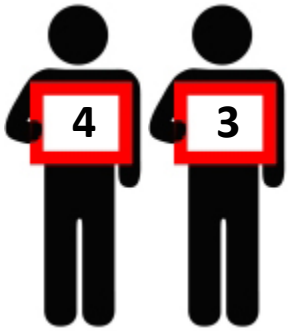
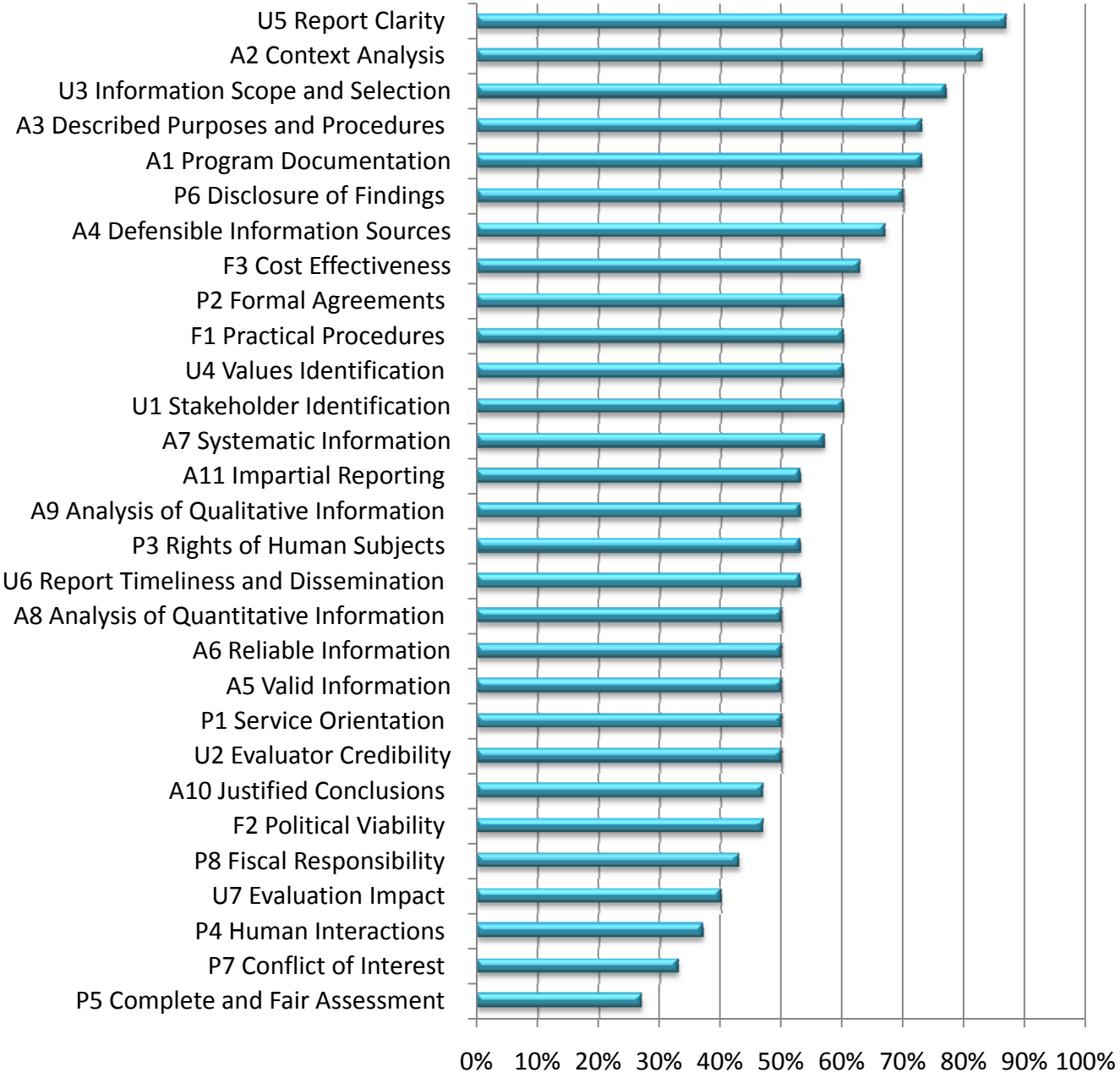
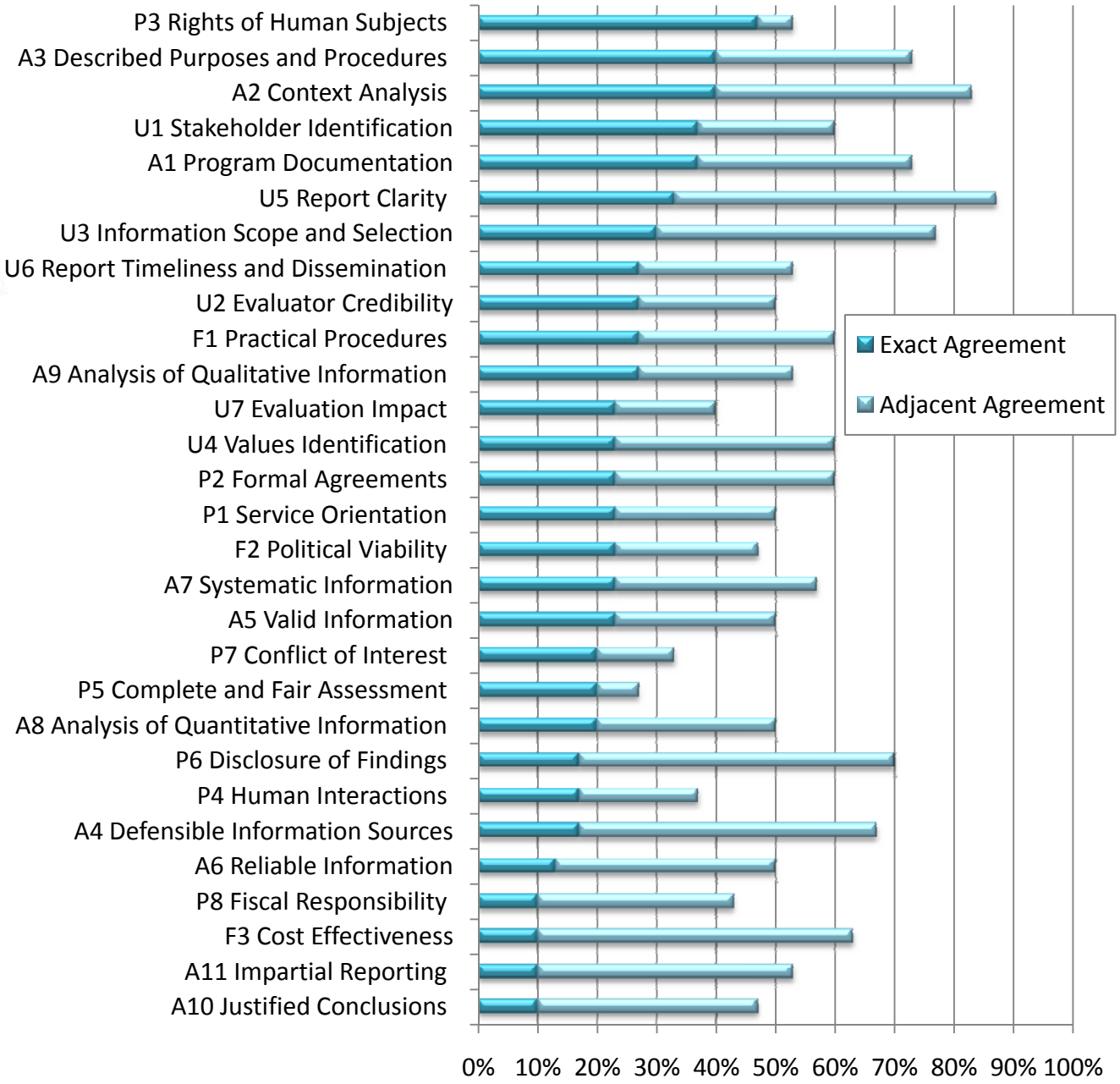




Results

Exact & adjacent agreement compared



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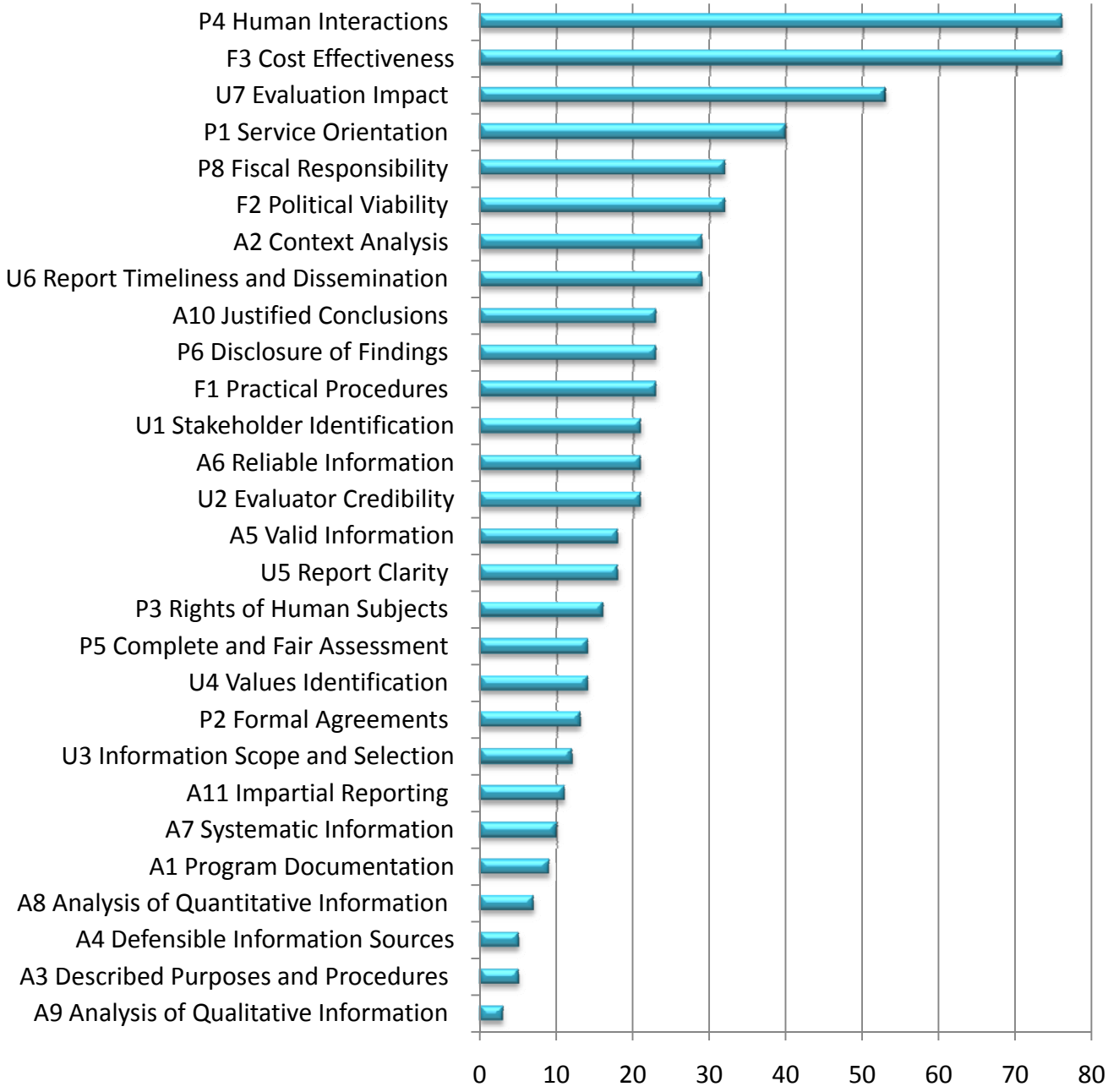
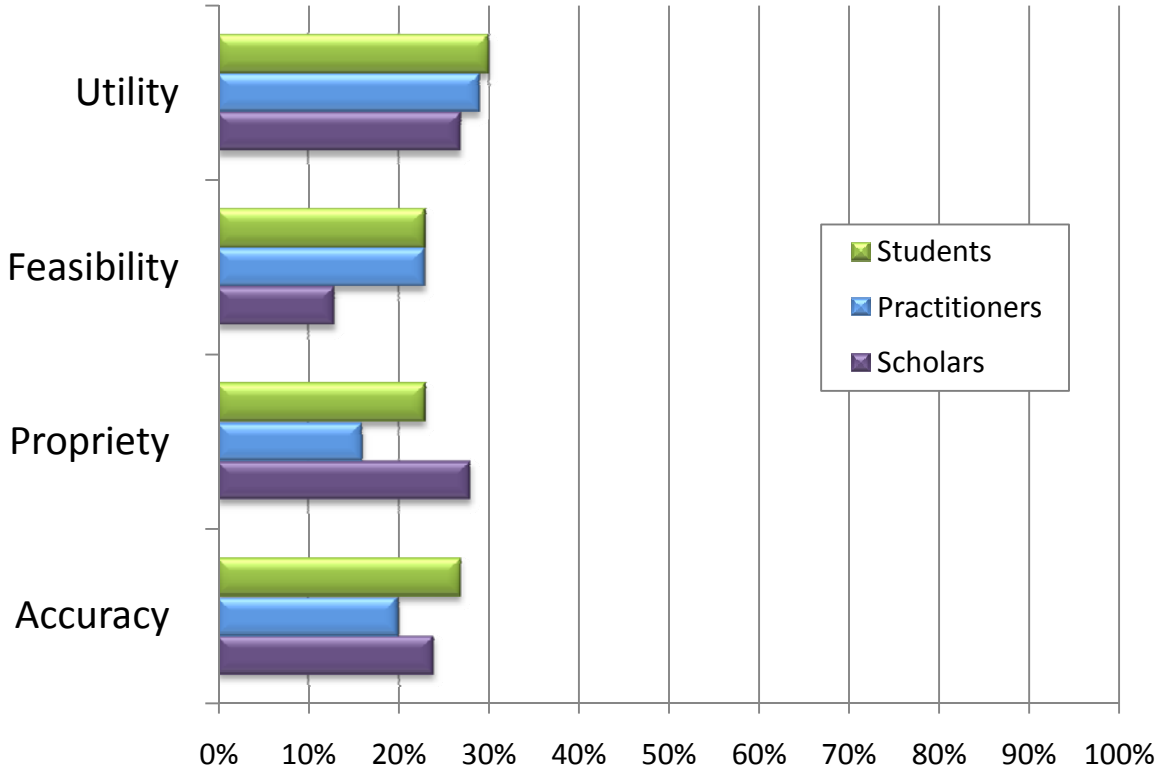


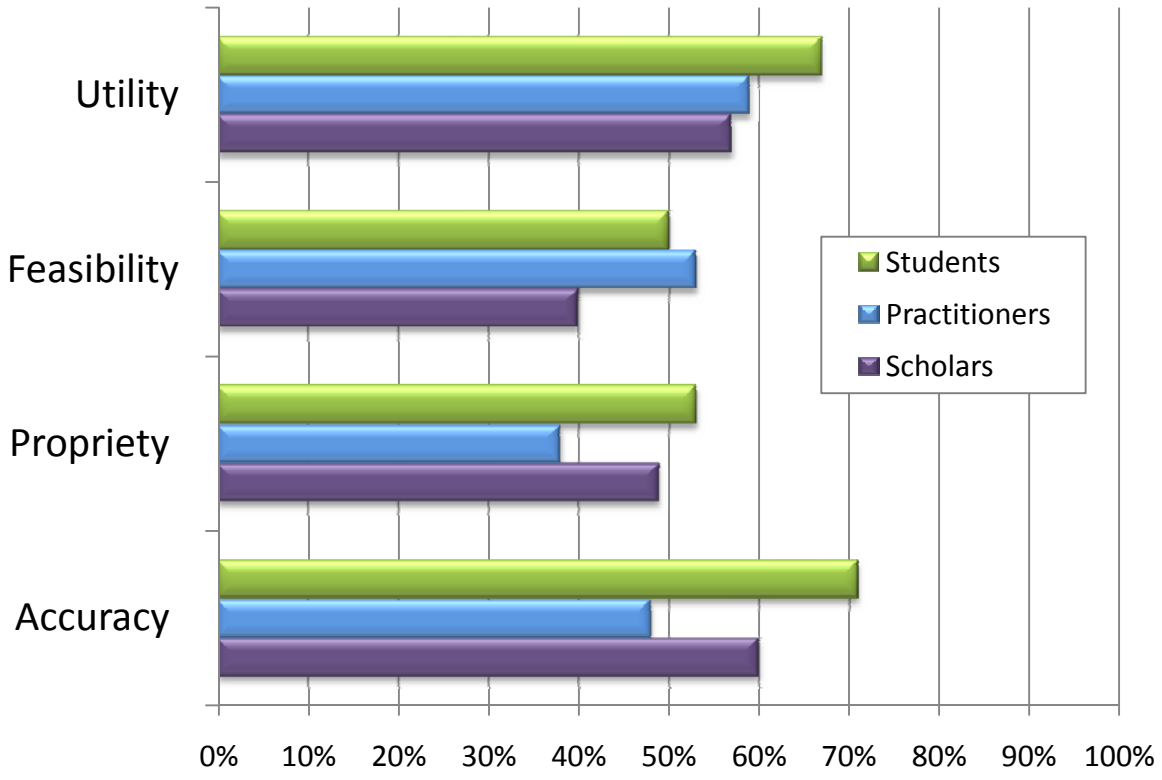
Results

Exact agreement by group

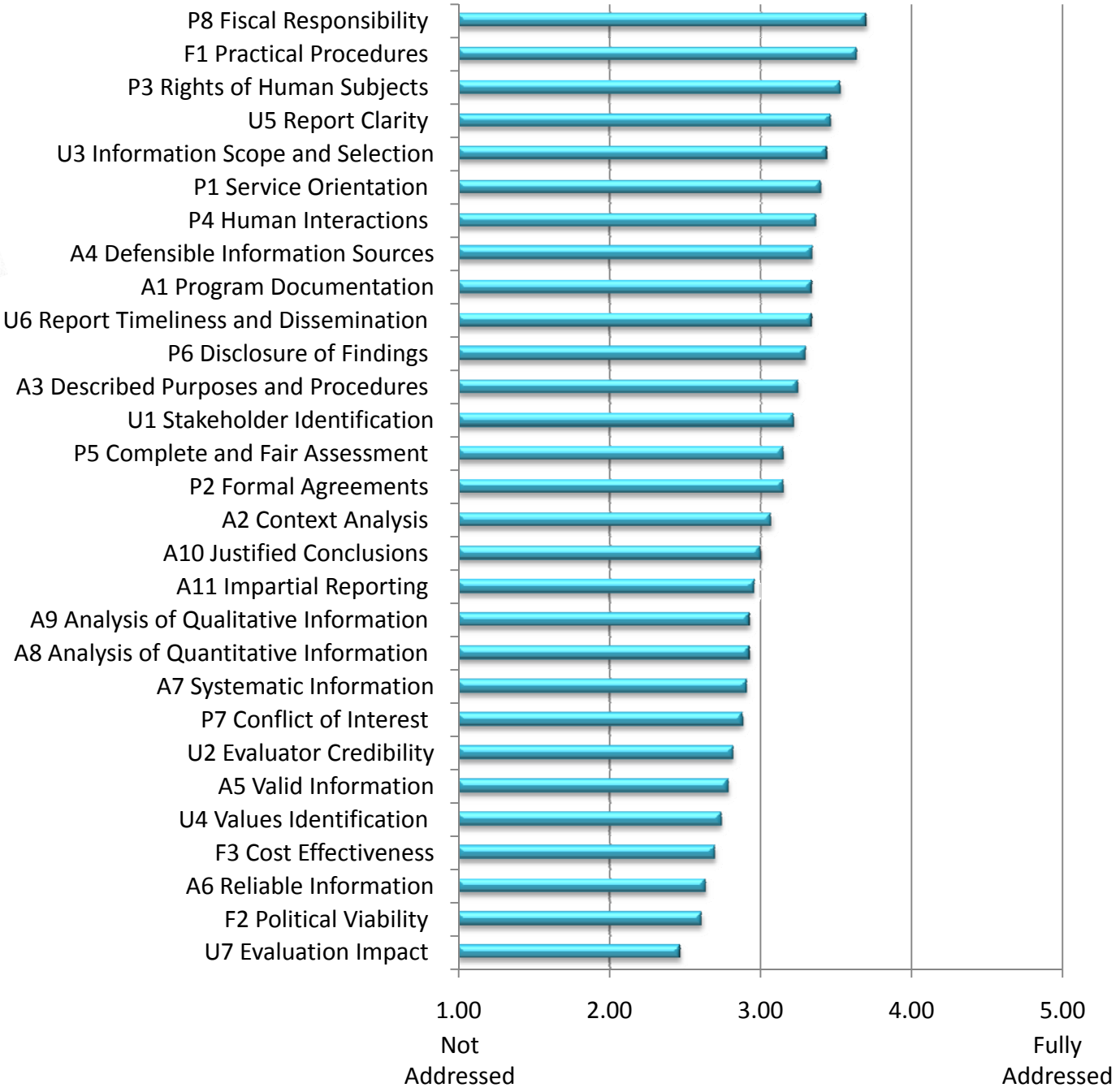


Results

Adjacent agreement by group



Standards ratings



- Any surprises?
- What are the implications for use of the Standards?
- What are the implications for metaevaluation practice?

ATE PI conference, October 22

Learning & Evaluation

AEA Conference, November 12 & 13

Metaevaluation and the Program Evaluation Standards

Assessing Evaluation Needs

Evaluation Workshop at Rio Salado Community College, February 4 & 5

Professional Development Evaluation

More information at ***www.evalu-ate.net***

To access a recording of this webinar, visit

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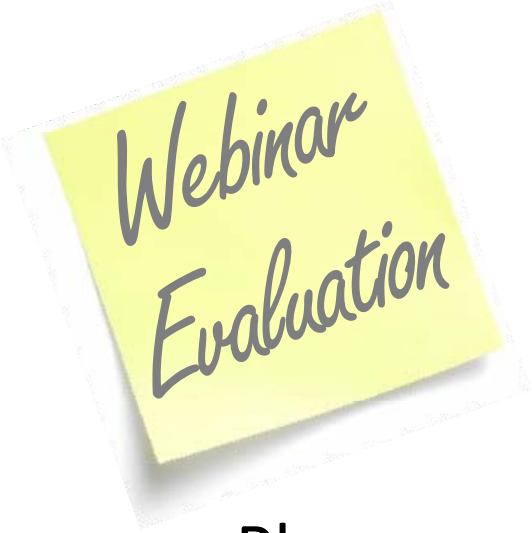
Keyword search:

metaevaluation



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