



**Social Cognition
Psychometric Evaluation
(SCOPE)**

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Aims

- To characterize the key domains of social cognition in schizophrenia
- To identify the most promising measures of social cognition within each domain
- To examine the psychometric properties of the selected social cognition measures
- To modify the measures, if necessary
- To conduct a final validation study of the modified measures

Domain and measure nominations

- Nominations received/invitations extended:
 - Schizophrenia researchers
 - 37/60
 - Social psychologists
 - 11/32
 - Autism researchers
 - 4/26

Country of origin of respondents

- Europe = 14
- Australia = 2
- Asia = 3
- Canada = 1
- US = 32

Nominations

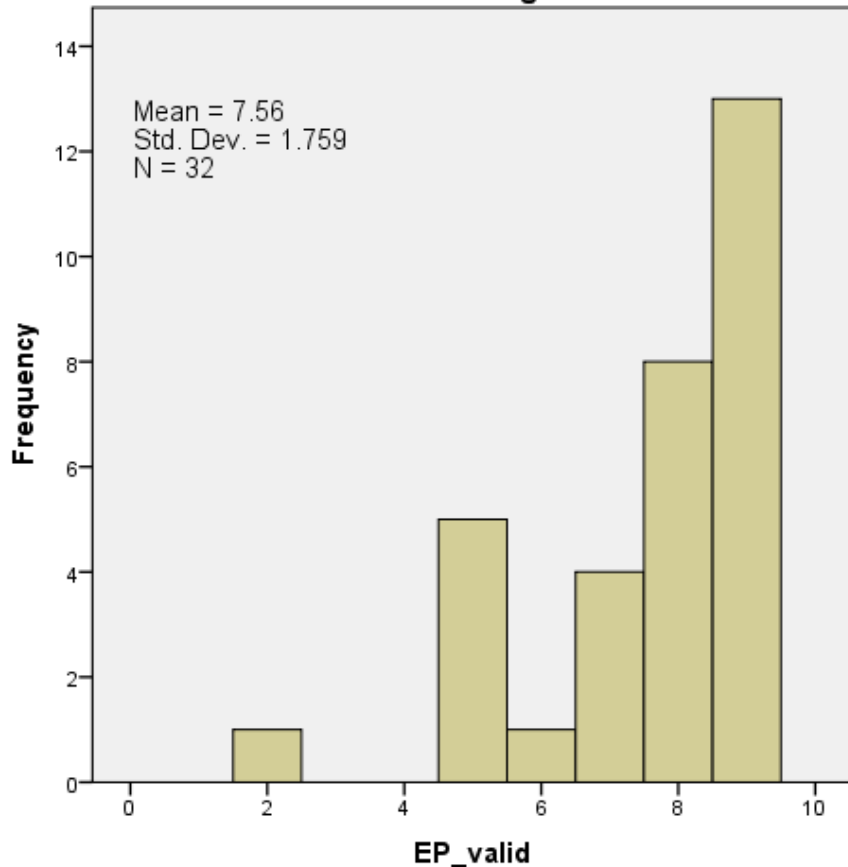
- 96 social cognitive domains
- 174 social cognitive measures

Domain reduction

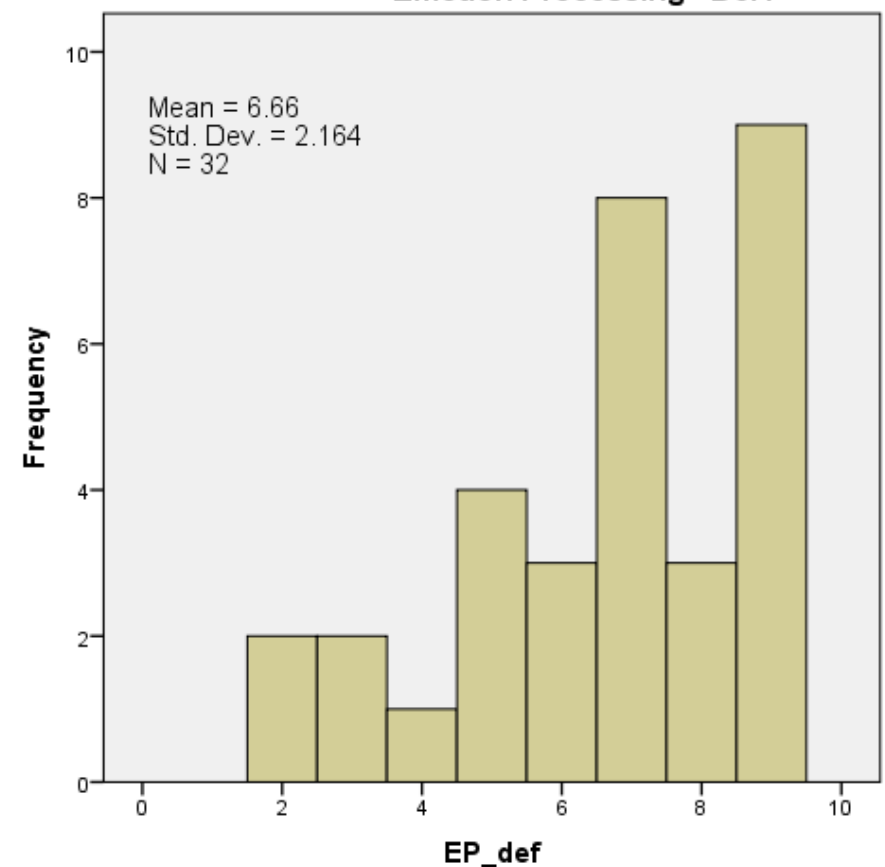
- Independent “extraction” of key domains
- Identification of 6 domains
 - Emotion processing
 - Theory of Mind
 - Social perception
 - Social reciprocity
 - Social meta-cognition
 - Attributional style
- Survey sent out to experts

Emotion Processing

Emotion Processing - Valid?



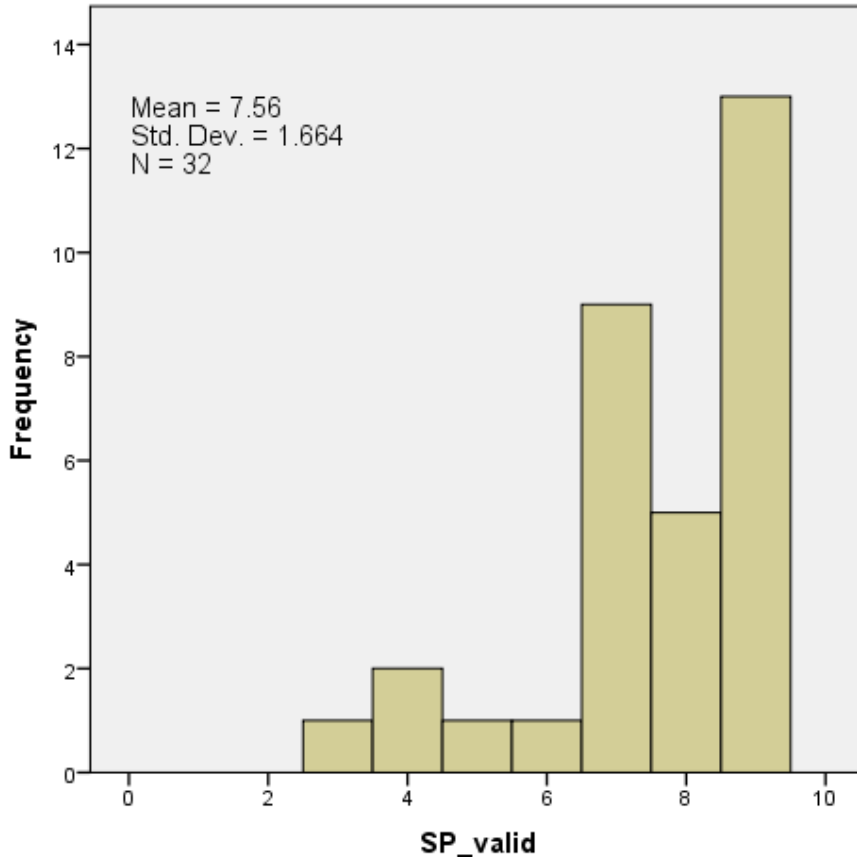
Emotion Processing - Def?



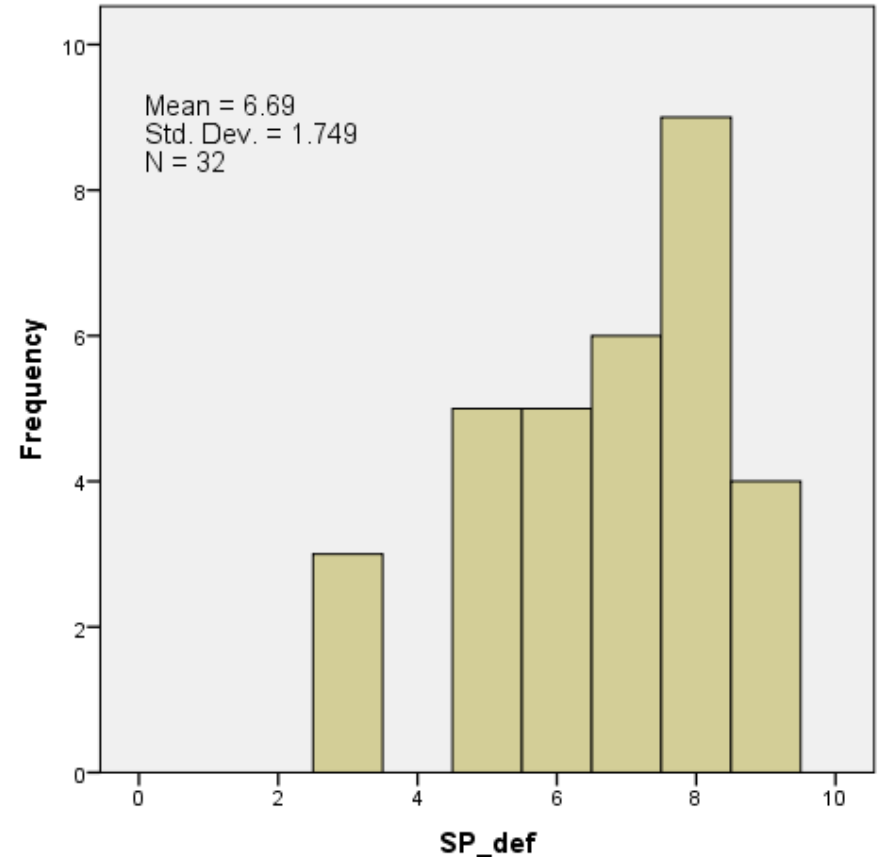
Valid? → 1=not at all valid, 5=moderately valid, and 9=extremely valid
Def? → 1=disagree, 5=neither agree nor disagree, and 9=agree

Social Perception

Social Perception - Valid?



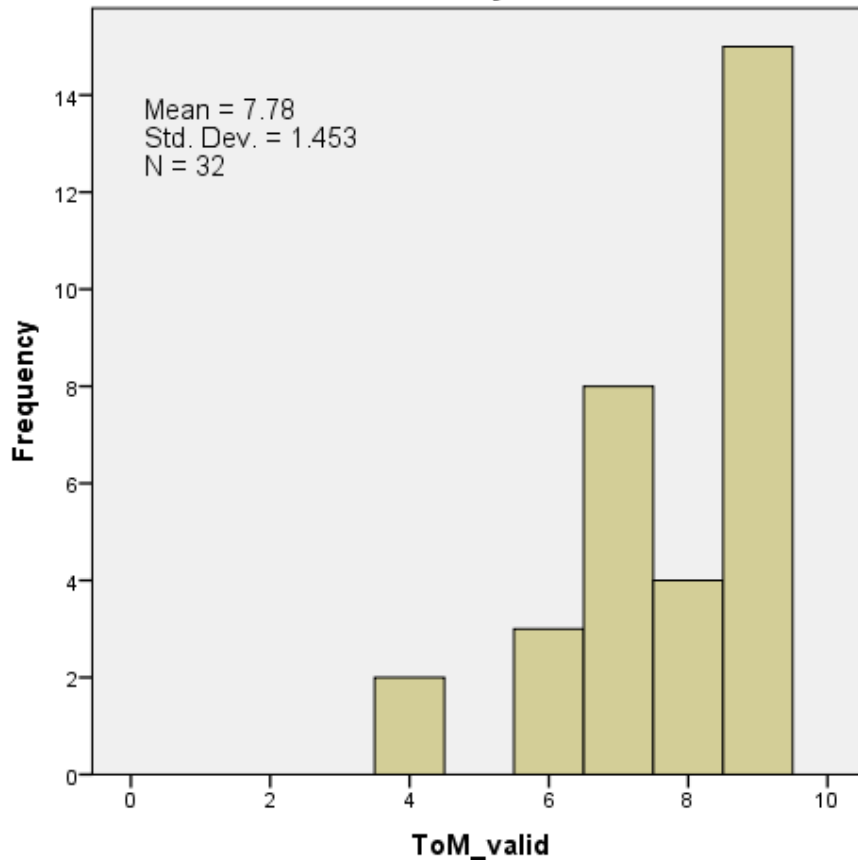
Social Perception - Def?



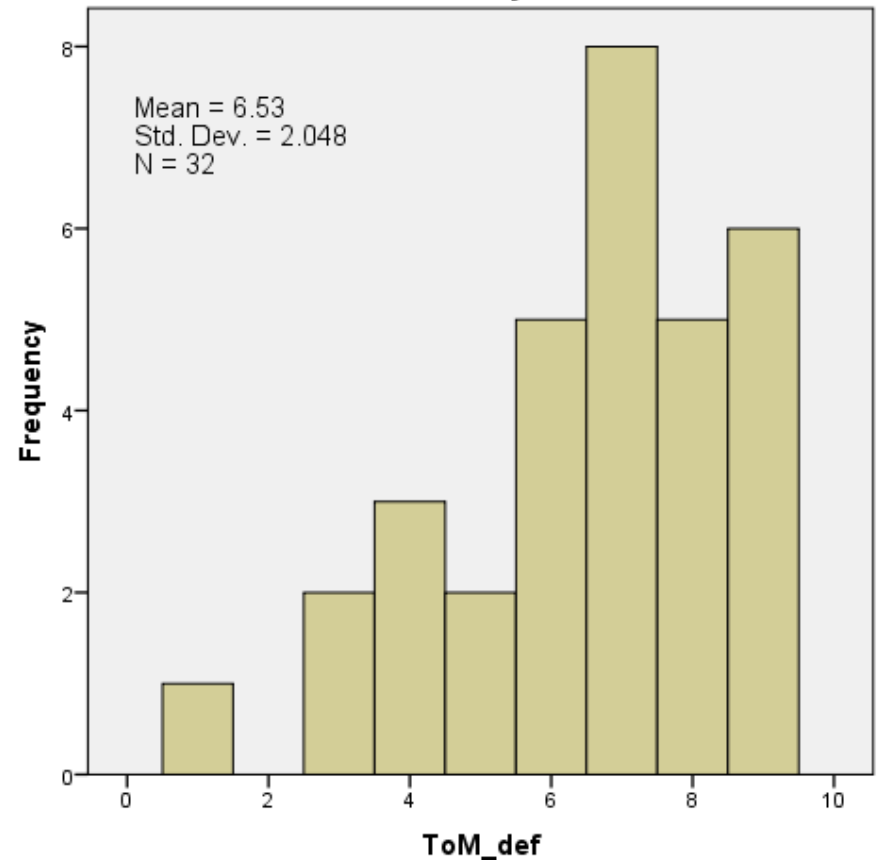
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Theory of Mind

Theory of Mind - Valid?



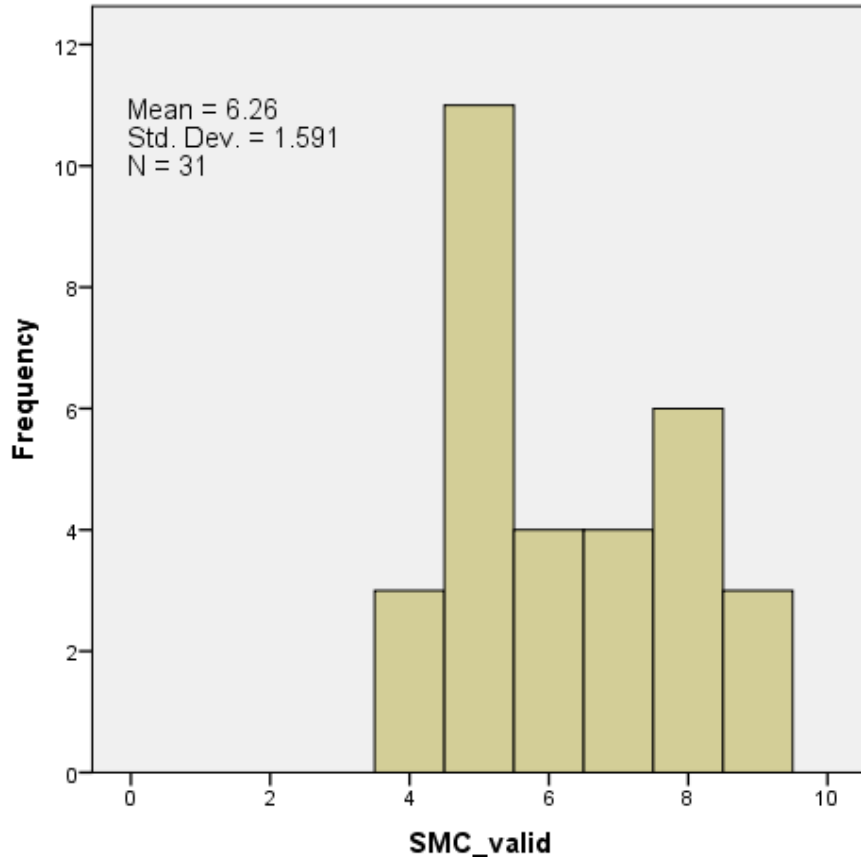
Theory of Mind - Def?



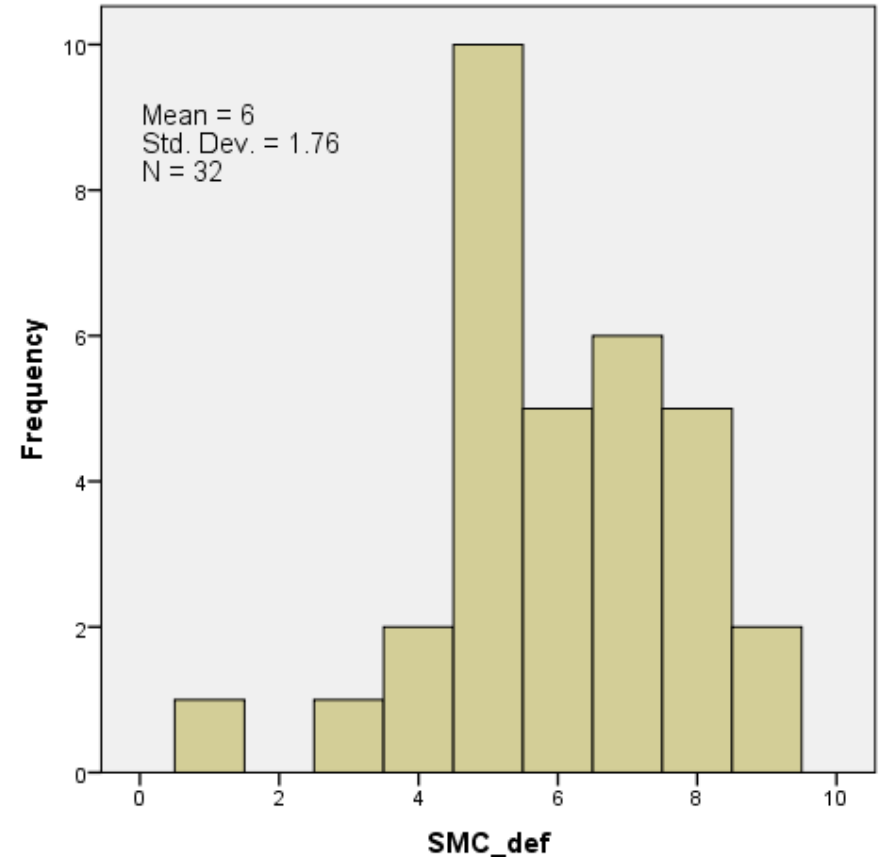
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Social Meta-cognition

Social Meta-cognition - Valid?



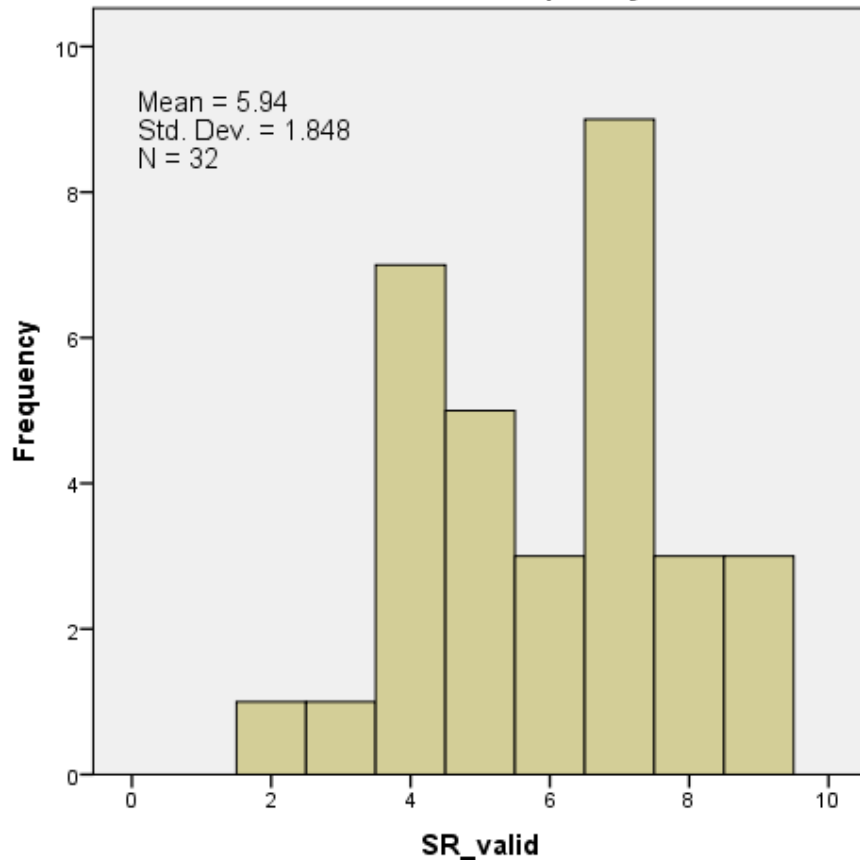
Social Meta-cognition - Def?



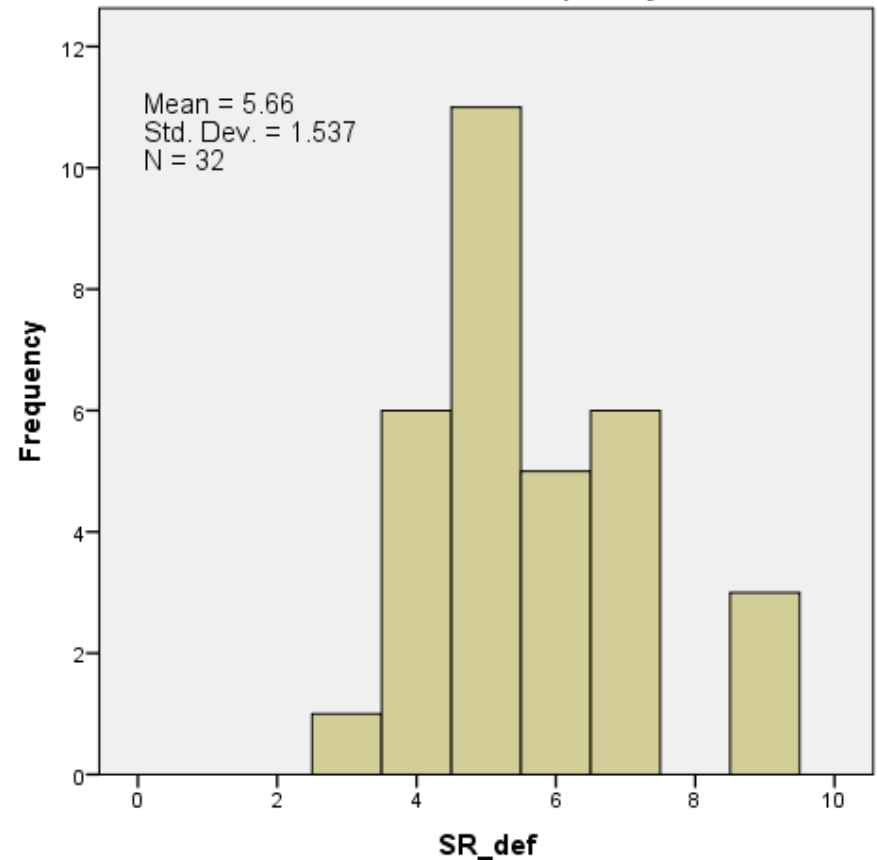
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Social Reciprocity

Social Reciprocity - Valid?



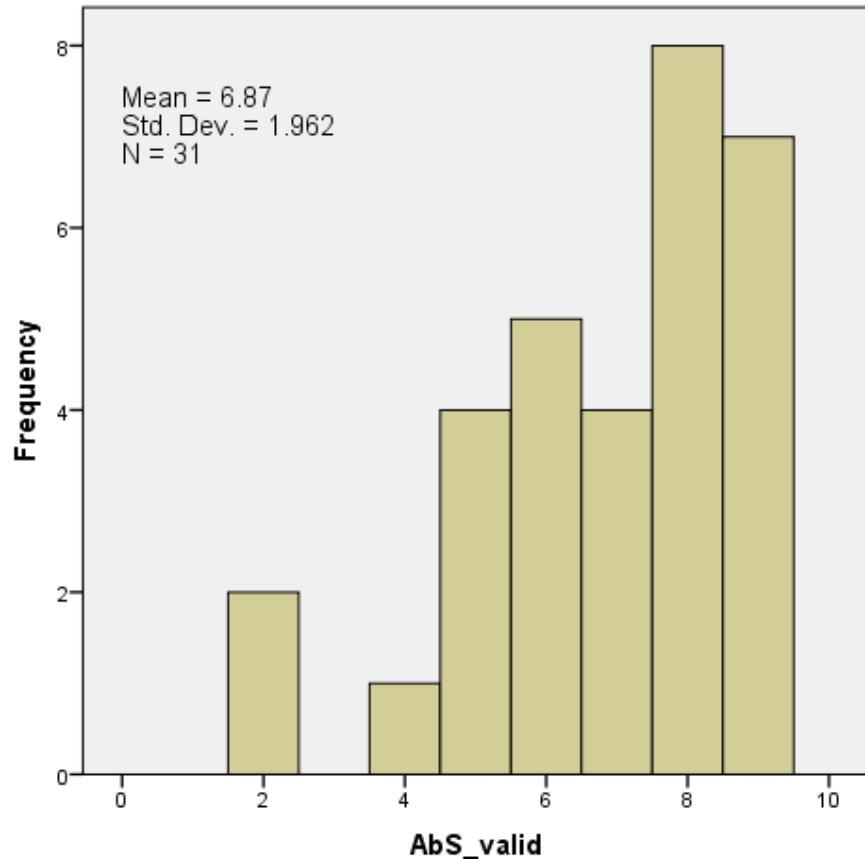
Social Reciprocity - Def?



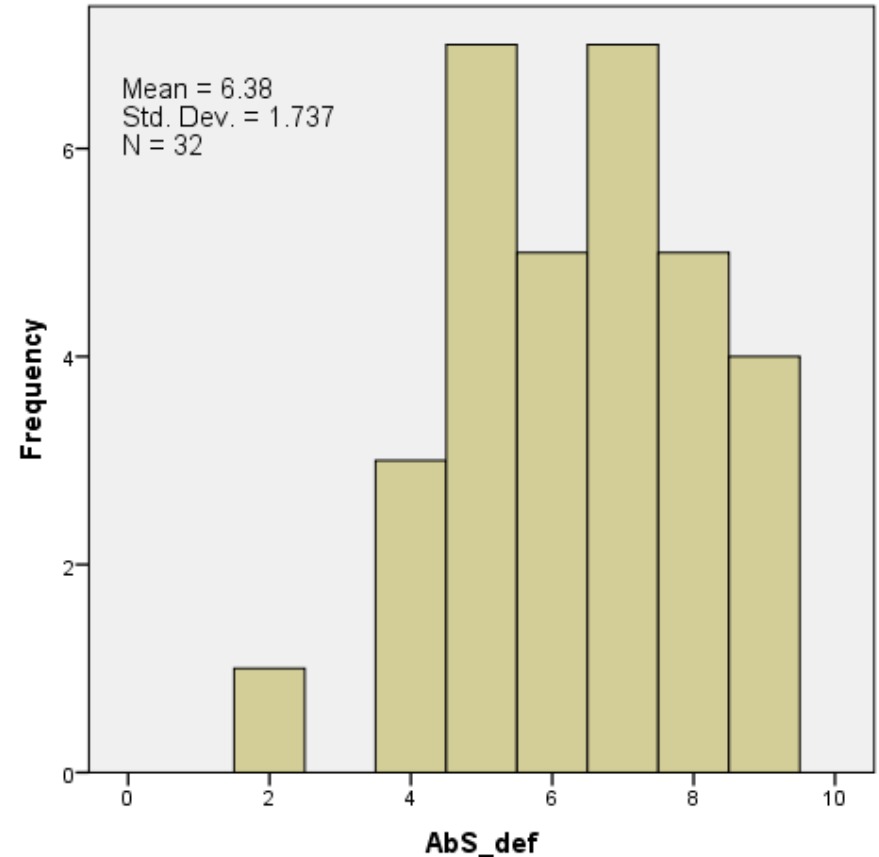
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Attributional Style

Attributional Style - Valid?



Attributional Style - Def?



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Final domains

- Emotion processing
- Social perception
- Theory of mind
- Attributions

Measure reduction (within the four domains)

- Measure received more than one nomination
- Highest average number of citations/year for the primary publication
- Measure assesses a subdomain or skill that is already not better accounted for by a previously selected measure

Measure reduction (“novel or uncategorized tasks”)

- Some evidence of reliability
- Some evidence of validity
 - Does it measure what it purports to measure?
 - Does it discriminate between a normal sample and clinical samples?
 - Does it have an association with functioning?
- Highest average of citations/year for primary publication

List of measures evaluated by Rand panel

- Attributions
 - AIHQ; IPSAQ
- Emotion processing
 - ER-40; FEDT; BLERT; DANVA 2
- Social perception
 - Half-Pons; IPT-15*; RAD
- ToM
 - Visual perspective taking task;* TASIT*; Eyes; Hinting; Faux-Pas; Brune; Silent Animations; Happe*
- Novel
 - AMP*; MASC; Need for Closure; Trustworthiness
 - * Deleted before discussion

RAND Panel

- Panelists:
- Michael Green and Amy Pinkham, Co-Chairs
 - Sohee Park (absent)
 - Ann Kring
 - William Horan
 - Antony Loebel
 - Eric Granholm
 - Sophia Vinogradov
 - Helena Kraemer (replacement for Andy Leon)
 - Paul Lysaker
 - Ruben Gur
 - Keith Payne
 - Matthew Lieberman

Rated Features

- Reliability
- Distributions
- Usefulness as a repeated measure
- Convergent and Discriminant Validity
- Criterion Validity
- Practicality
- Tolerability

Best Scales by Features

- Reliability: AIHQ
- Distributions: PEAT ER-40
- Usefulness as a repeated measure: BLERT
- Convergent and Discriminant Validity: BLERT
- Criterion Validity: Hinting Task
- Practicality: PEAT ER-40
- Tolerability: PEAT ER-40

Worst Scales by Features

- Reliability: Trustworthiness*
- Distributions: FEDT
- Usefulness as a repeated measure: DANVA2; Faux Pas, Silent Animations; MASC
- Convergent and Discriminant Validity: Trustworthiness*
- Criterion Validity: IPSAQ; Silent Animations; Trustworthiness*; Need for Closure
- Practicality: MASC
- Tolerability: IPSAQ

Tests to Advance

- ER-40
- BLERT
- AIHQ
- RAD
- TASIT
- Hinting
- Mind In Eyes
- Trustworthiness*