Rating Formats Revisited: Yes, They DO Matter!

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Overview

Classic rating format research
Halo error research
Contemporary rating format research
Frame-of-reference scales
Conclusions of rating format research
Future research on rating formats

Rating Format Research

Landy & Farr (1980)

Interventions designed to improve rating formats are minimally successful "Moratorium" on rating format research

 Rating format research fell out of favor in I/O

Landy (2009)
 Moratorium lifted

Reasons why Rating Format Research is Important

Conclusions regarding the lack of usefulness of rating format research are based almost entirely on the presence of psychometric "errors" in the ratings (DeNisi, 1996)

Rating "errors" are poor indicators of the quality of ratings (Fisicaro, 1988; Murphy, 2008; Nathan & Tippins, 1990)

Rating "errors"

Errors were most frequently used criteria when evaluating performance ratings for most of the 20th century (Austin & Villanova, 1992)
Leniency
Severity
Central Tendency
Halo

Halo "Error"

Thorndike (1920)

A rater's favorable or unfavorable impression of a ratee leads the rater to rate all aspects of performance consistently with this overall impression

 Halo often confused with logical error
 A rater's tendency to rate similarly dimensions that he or she perceives as conceptually similar or logically related (Guilford, 1936)

Halo "Error" Research

 Relationship between "errors" and accuracy are weak and sometimes even positive (Becker & Cardy, 1986; Cooper, 1981; Murphy & Balzer, 1989)

 Halo can actually lead to higher levels of criterion-related validity in ability measures (Nathan & Tipps, 1990)

Halo "Error" Research

Attempts to remove halo have generally failed to control halo or increase the quality of ratings (Murphy, Jako, & Anhalt, 1993) Problems with halo as a dependent measure (Balzer & Sulsky, 1992) No agreed upon conceptual definition Conceptual definitions are not related to operational definitions Halo measures are not strongly correlated with each other or rating validity or accuracy

Measuring Halo "Error"

- Small variances or standard deviations in ratings
- Large interdimension correlations
 Significant rater x ratee interaction term
 Dimensions load on a single factor
 Statistically controlling for overall rating
 Average rater interdimensional correlation exceeds average expert interdimensional correlation overall ration
- Which one do we choose?

Conclusions Regarding Halo

All operational definitions are insufficient for diagnosing halo (Balzer & Sulsky, 1992)
Halo "error" is based on erroneous assumption (Murphy, Jako, & Anhalt, 1993)
How do we know "true" levels of performance?
Thorndike's (1920) conceptual definition implies causality
None of the operational definitions model this

Why Research Rating Formats?

 Research on halo calls into question the conclusions of an entire body of rating format research dismissed by Landy & Farr (1980)

Contemporary research suggests rating formats DO matter!

Rating Formats and Rating Validity

Forced-choice formats resulted in higher validity coefficients than Likert rating scales (Bartram, 2007) Multinational samples from 29 studies Computer adaptive rating scales evidenced higher reliability, validity, and accuracy than BARS or graphic rating scales (Borman, Buck, Hanson, Motowidlo, Stark, & Drasgow, 2001)

Absolute vs. Relative Methods

Relative ratings were more accurate than absolute ratings (Wagner & Goffin, 1997)

 Relative format resulted in higher validity coefficient that absolute format (Goffin, Gellatly, Paunonen, Jackson, & Meyer, 1996)

 However, absolute rating formats were perceived as more fair than relative formats (Roch, Sternburgh, & Caputo, 2007)

Influence of Individual Differences

 Field independent raters provided more accurate ratings than field dependent raters using holistic formats (Hartel, 1993)

New Formats

Frame-of-reference (FOR) scales (Hoffman, Gorman, Blair, Meriac, Overstreet, & Atchley, 2012) Based on principles of FOR training Create a common conceptualization of performance among raters (Gorman & Rentsch, 2009) Presents dimension definitions and examples of positive and negative behaviors within each dimension Rating formats rarely considered in 360-degree rating research

Example FOR Scales

APPENDIX A

Problem Solving

- Problem solving involves understanding problems and making appropriate decisions to resolve these problems. Effective problem solving entails
- gathering pertinent information, recognizing key issues, basing decisions on sound rationale, and considering the implications of one's actions.
- Ineffective problem solving occurs when a manager does not attempt to gather relevant information, makes premature decisions, or confuses details of
- a given problem.
- At work, he/she
- 1. Searches for additional information in order to identify the cause of problems. 1 2 3 4 5

12345

- 2. Considers multiple solutions to problems.
- 3. Explicitly provides rationale for his/her decisions
 1 2 3 4 5

Interpersonal Sensitivity

- Interpersonal sensitivity is defined as an individual's concern for the feelings and needs of others. Effective interpersonal sensitivity occurs when a
- person works to build rapport with others, is attentive to others' thoughts and feelings, and shows concerns for coworkers' personal issues. Ineffective
- interpersonal sensitivity occurs when one is inattentive or alienates others.
- At work, he/she

•	4. Treats others with dignity and respect	12345
•	5. Responds appropriately to the feelings of others	12345
•	6. Avoids interrupting others when they are speaking	12345

FOR Scales Results

Study 1 (Field Study)

321 executives enrolled in MBA program Resulted in cleaner factor structures, fewer inadmissible solutions, increased variance due to dimensions, decreased overlap among dimensions, and decreased error variance

• FOR scales potentially useful in 360 rating contexts

Study 2 (Lab Study)

151 undergraduate students More accurate ratings than control condition Rating accuracy results comparable to those of FOR training

 FOR scales potentially more practical and effective than full training programs **Current Research on FOR Scales** Validity of FOR scale ratings FOR scales in administrative settings FOR scales for subordinate, peer, or client/customer ratings

Fairness reactions to FOR scales

Conclusions

Rating "errors" are poor indicators of rating quality Rating formats need to be evaluated using alternative dependent measures Research indicates there are substantive differences in the quality of ratings resulting from different rating formats Individual differences may moderate the effects of rating formats

Future Research Directions

Individual differences and rating formats
Rating formats in 360-degree contexts
Combined effects of rating formats and rater training
Rater and ratee reactions to various rating formats
Equivalence of computer-based and paper-and-pencil rating formats