Appendix

Representative Comparative Thin-Slice Research Studies

This table is provided as a resource to locate relevant studies regarding the reliability and validity of thin slices and is not intended to be exhaustive of all comparative thin-slice research. Importantly, the final column simply indicates whether the construct was examined and does *not* indicate that the study necessarily found support for the comparative construct. In many cases, a study found support for some measured variables or constructs but not others. We encourage researchers to review specific studies if looking for evidence or justification of their own slice decisions.

Article	Description	Slice length(s)	Variable(s)	Comparative construct
Ambady et al. (1999)	Student discussions of campus activities	1 and 10 s	Sexual orientation	Accuracy-length validity
Ambady & Rosenthal (1993)	High-school and college teachers' class lectures	2, 5, and 10 s	15 molar behaviors with teacher effectiveness	Predictive validity
Blackman & Funder (1998)	Friend and zero-acquaintanceship dyadic interactions	5 to 25 min	Personality profiles	Accuracy-length validity
Caperton et al. (2018)	Client-therapist counseling sessions	~8 min	Therapist MI codes for: reflection-to-question ratio, complex reflections, open questions, MI-consistent responses	Slice-whole validity
Carcone et al. (2015)	Patient-counselor clinical interactions	1 or 2 min	20 MI patient and counselor communication codes	Slice-whole validity
Carney et al. (2007)	Zero-acquaintanceship interactions	5, 20, 45, 60 s	Personality traits and affect	Accuracy-length validity
Foster (2015)	Patient-physician interactions	1.5 min	Attention, coordination, liking, rapport, trust	Slice-whole validity
Fowler et al. (2009)	Prison inmate interviews	5, 10, and 20 s	Psychopathy	Accuracy-length validity
Hall et al. (2008)	Database of 109 studies	<1 s to 45 min	Various states and traits	Accuracy-length validity
Hall et al. (2009)	Patient-medical student interactions	1 and 3 min	Rapport	Inter-slice reliability; predictive validity

Hall et al. (2014)	Technical support calls	2 min	Satisfaction	Inter-slice reliability
Hall et al. (2021)	Written personal narratives	281 to 1299 words	Big 5 personality traits	Accuracy-length validity
Hirschmann et al. (2018)	Mother-child interactions	10 min	Maternal feedback, joint attention, sensitivity	Slice-whole validity
James et al. (2012)[a]	Mother-deaf child interactions	3 min	Gaze, vocalizations	Slice-whole validity
Klonek et al. (2015)	Clinical interviews	5 and 10 min	7 MI verbal codes	Slice-whole validity
Krzyzaniak et al. (2019)	Zero-acquaintanceship group interactions	30 s; 1, 3, and 5 min	Big Five personality traits	Accuracy-length validity
Lepri et al. (2009)	Group game interactions	1 min	Speaker emphasis, activity, influence, mimicry, body/hand movement with game performance	Predictive validity
Letzring et al. (2006)	Zero-acquaintanceship group interactions	50 min	Personality profiles	Accuracy-length validity
Murphy (2005)	Zero-acquaintanceship dyadic interactions	1 min	Gaze, gestures, nods, self-touch, smiles	Slice-whole validity
Murphy et al. (2015)	4 studies; various zero-acquaintanceship dyadic interactions	30 s to 4.5 min	Gaze, gestures, nods, self-touch, smiles, speaking time	Inter-slice reliability; slice-whole validity
Murphy et al. (2019)	5 studies; various zero-acquaintanceship dyadic interactions	1, 2, 3, and 4 min	Gaze, gestures, nods, self-touch, smiles, speaking time with 33 various outcome variables	Predictive validity
Nguyen & Gatica-Perez (2015)	Job interviews	2 s to 2 min	Speaking behaviors, body and head movements with hireability impressions	Predictive validity
Perrault (2020)	Clinician biography videos	46 and 63 s	Patient ratings of anticipated satisfaction, behavioral intention, ease of selection, expertise, likeability, trust, uncertainty	Slice-whole validity
Roter et al. (2011)	Patient-medical student interactions	1 and 3 min	Various rapport-based and verbal behaviors	Slice-whole validity; predictive validity

Satterstrom et al. (2019)	Student groups in decision-making tasks	10, 30, and 60 s	Group effectiveness	Accuracy-length validity
Tskhay et al. (2017)	Persuasive speeches	5, 15, and 30 s	Leadership variables, speaker appearance variables, with speaker charisma	Predictive validity
Wang et al. (2019)	Zero-acquaintanceship dyads	1, 2, 3, and 4 min	Smiling, nodding, leaning in, humor/telling stories, speaking about self with various outcome variables	Predictive validity

Note. Accuracy-length validity = whether interpersonal judgment accuracy depends on the length of the slice. Predictive validity = how well thin slices can predict variables that are different from the behavior measured in the slice. MI = Motivational Interviewing counseling style (Levounis et al., 2017). Slice-whole validity = whether thin slices can adequately approximate the total of the recorded behavior. Inter-slice reliability = how interchangeable individual slices are in relation to one another.

[a] See James et al. (2012) Table 1 for a list of studies using thin slices in parent–child interactions.

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