A Teacher-friendly Quality Checklist for L2 Quantitative Reports

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Sample Design					
Area	Positive Check	Positive Check	Positive Check	Negative Check	
1. Sample Size	Search the	Read the	The research admits	Sample size is	
Planning	document for	participants	in methods that they	presented without any	
	<i>'power'</i> where an	section of the	could only have	overtly described	
	effect has been	<i>methods</i> and see	access to x number of	planning process.	
	referenced and a	if an earlier	participants and they		
	suitable sample	study has had its	use this number to		
	size has been	sample size	determine the		
	determined and	referenced as a	minimal effect size		
	then fulfilled (a	benchmark to	that they can detect		
	priori power)	meet (heuristics).	(sensitivity analysis)		
2. Selecting	Participants are	Researchers in	Intentionally blank	Single-Site Sample	
Participants by	randomly chosen	<i>methods</i> have			
Chance	from the	selected multiple			
	population or in a	sites from the			
(Randomized	probabilistic	intended			
Sampling)	manner (very rare	population.			
	in our field, e.g.,				
	Hiver & Al-				
	Hoorie, 2020).				
	C LC				
	Search for				
	random'/				
	probability' +				
	sampling				
3. If	Search document	Such assignment	Researcher built	No such overt	
experimental	for 'random' /	is also	groups to maintain	description of random	
design,	'randomly'/	acceptable at the	equality in relation to	assignment and/or	
conditions and	'random	class level (Vitta	proficiency or the	purposeful assignment	
groups are	assignment' /	& Al-Hoorie, in	language outcome		
constructed by	randomly	press)			
chance	assigned	, ,	(purposeful		
	_		assignment but less		
(Random	It should be		than ideal; see		
assignment)	clearly stated that		Fisher, 1935)		
	participants were		· · · · ·		
	assigned to				
	different groups				
	by chance				

Measurements & Testing							
Area	Positive Check	Positive Check	Negative Check				
Validity of	The researcher argues	The researcher references	No such validity account				
Measurements	for the appropriateness	past studies' use of target					
	of measurements or	words/items and/or tests					
	items/tests employed.	(or similar ones.					
	And/Or						
	And/Or						
	Research can present a						
	'scale validation'						
	process						
Reliability of	Search methods for	The researcher presents	No such reliability account				
Measurements	<i>'reliability'</i> look for	an argument for the					
	Greek letters such as α	consistency of their					
	(Cronbach's alpha), ω	measurements (less					
	(Omega), к (Cohen's	ideal).					
	kappa).						
	If you see these, the						
	researcher has reported						
E-ridence of	reliability	······································	Comencilizations from				
Evidence of	a. exact <i>p</i> values and/or	p values approximated (p	Generalizations from				
Interential Testing	BF10 values (even	< .05)	descriptive statistics only				
for Generalizations	Bayesian probability)	Test statistics are	(major sause for soneer)				
(Research Question /	b Look for the reporting	abridged	(major cause for concern)				
Hypothesis focus)	of test statistics such as	abridged					
Trypotnesis foeds)	E t etc	(less ideal)					
	1, 1, 000						
	c. 'significant'						
Overt Reporting of	a. overt labelling of	Intentionally blank	No effect sizes are				
Effect Sizes	effect size metrics: ex:		presented; only p values				
	$d, g, r, \beta, \eta_{\mathrm{p}}^{-2}, \eta^{2}$						
	b qualification of the						
	effect size (e.g., a large						
	association [Plonsky &						
	Oswald, 2014] was						
	observed ($r = .7. p$						
	<.001)						
	c. nonsignificant effect						
	sizes are reported						
	1 11 0 11 0						
	a. an overall teeling of						
	complete reporting (e.g.,						
	M, SD, etc.						