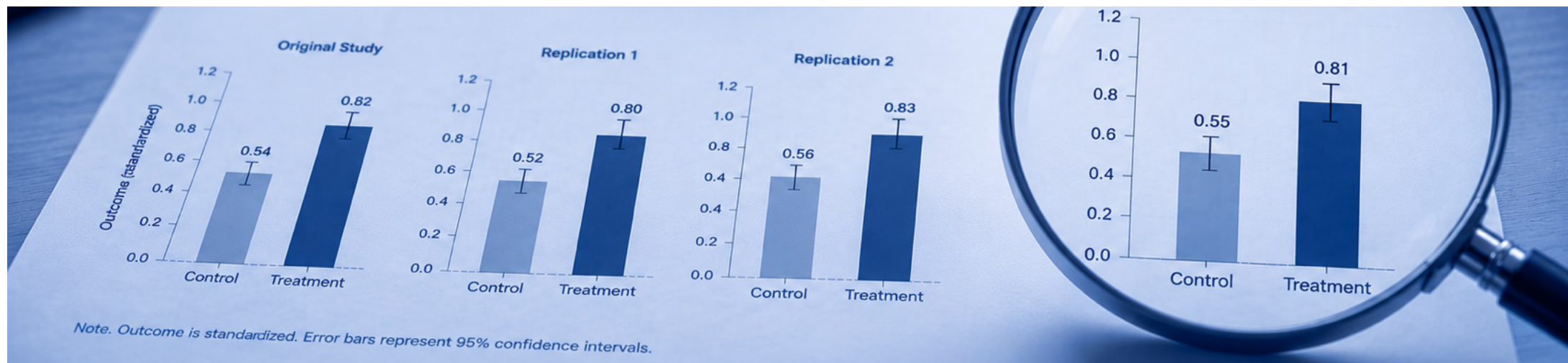


Replikationen in der betriebswirtschaftlichen Forschung

Sören Köcher



Tagung: Informationsversorgung für die Wirtschaftsforschung:
Zwischen Daten, Offenheit und KI
Kiel, 9. Juli 2026

Die Replikationskrise

The Washington Post
Democracy Dies in Darkness

Many scientific studies can't be replicated. That's a problem.

Psychology Today

PSYCHOLOGY

Are Most Published Social Psychology Findings False?

Social psychology is in crisis. Is it all wrong?

The Guardian

Study delivers bleak verdict on validity of psychology experiment results

Of 100 studies published in top-ranking journals in 2008, 75% of social psychology experiments and half of cognitive studies failed the replication test

The New York Times

Three Popular Psychology Studies That Didn't Hold Up

By BENEDICT CAREY and MICHAEL ROSTON AUG. 28, 2015

In an unprecedented analysis, a team of 270 researchers redid 100 studies published in three top psychology journals. The team was interested in duplicating them as closely as possible to see whether they held up. Only 35 did so, according to the most frequently used statistical test. Below are three popular studies that did not check out, along with some possible reasons.

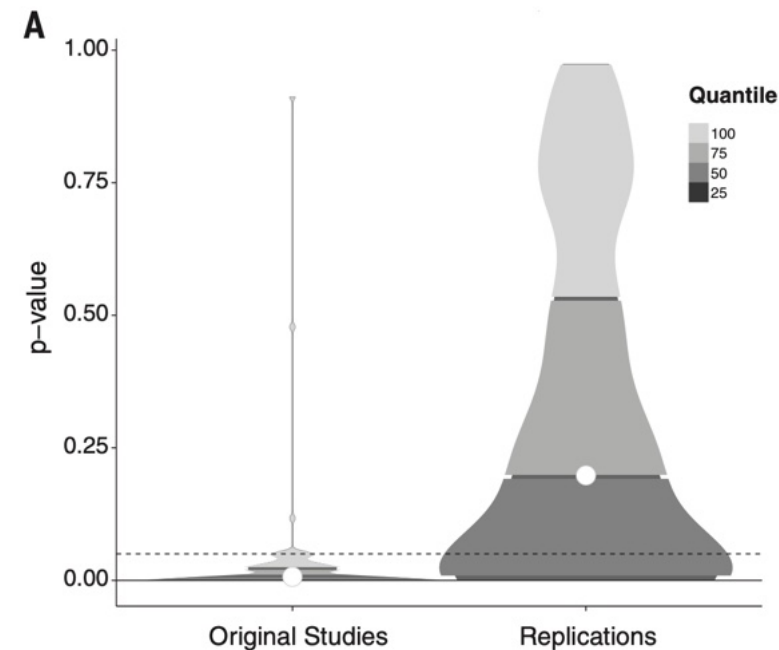
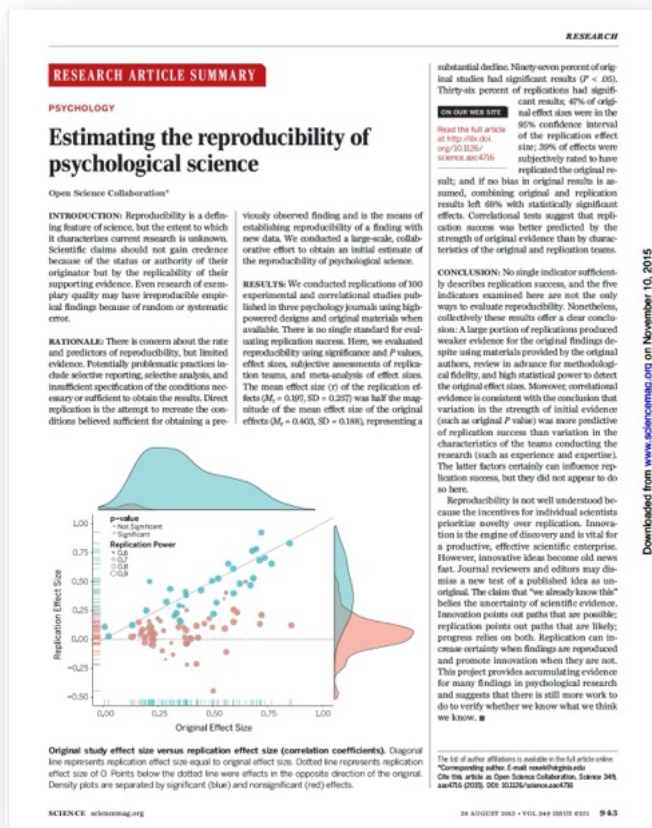
 **NBC NEWS**

HEALTH NEWS

Psychology Studies Show Dodgy Results, Study Finds

Scientific studies involving psychology are really hard to replicate.

Was ist passiert?



Ein Vergleich verschiedener Disziplinen

Article

Investigating the replicability of the social and behavioural sciences

<https://doi.org/10.1038/s41586-025-10078-y>

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Check for updates

Pursuing replicability – independent evidence for previous claims – is important for creating generalizable knowledge^{1,2}. Here we attempted replications of 274 claims of positive results from 164 quantitative papers published from 2009 to 2018 in 54 journals in the social and behavioural sciences. Replications were high powered on average to detect the original effect size (median of 99.6%), used original materials when relevant and available, and were peer reviewed in advance through a standardized internal protocol. Replications showed statistically significant results in the original pattern for 151 of 274 claims (55.1%; 95% confidence interval (CI) 49.2–60.9%) and for 80.8 of 164 papers (49.3%; 95% CI 43.8–54.7%), weighted for replicating multiple claims per paper. We observed modest variation in replication rates across disciplines (42.5–63.1%), although some estimates had high uncertainty. The median Pearson's r effect size was 0.25 (95% CI 0.21–0.27) for original studies and 0.10 (95% CI 0.09–0.13) for replication studies, an 82.4% (95% CI 67.8–88.2%) reduction in shared variance. Thirteen methods for evaluating replication success provided estimates ranging from 28.6% to 74.8% (median of 49.3%). Some decline in effect size and significance is expected based on power to detect original effects and regression to the mean because we replicated only positive results. We observe that challenges for replicability extend across social-behavioural sciences, illustrating the importance of identifying conditions that promote or inhibit replicability^{3,4}.

A central aim of science is to discover regularities in nature. If a claimed discovery is true, independent researchers should be able to conduct a similar investigation and reach similar conclusions. A replication attempt involves testing the same research question as a previous investigation with independent evidence, whether the evidence is a new data collection or existing secondary data that were not used in the previous investigation⁵.

Across several previous replication studies in the social and behavioural sciences, totalling hundreds of replication attempts, approximately half of well-powered replication studies provided statistically significant evidence in the same direction as an original finding^{1,6–12}. Moreover, observed effect sizes in replication studies were about half as large as effect sizes in original studies on average¹³. Similar results have been observed in other fields, such as preclinical cancer biology¹⁴.

Popular explanations for the low observed replication success rates include underreporting of negative or inconclusive evidence for claims; high sampling error from small samples and measurement error due to unreliable measures, coupled with a statistical threshold ($P < 0.05$) that serves as a publication filter; low rigor and quality control in research design and measurement; and questionable research practices that inflate the likelihood of obtaining positive outcomes^{1,15–20}. These factors are compounded by a research culture that rewards novel and 'interesting' findings and discourages error correction²¹. Replication failures are not necessarily due to the original findings having low credibility. Low replication rates can also be due to false negatives, poorly designed replications, selecting only positive results for replication, and differences between original and replication studies that are initially perceived as unimportant^{13,22}. More broadly, there are conceptual

challenges in deciding what is a replication of a previous finding and how to assess whether a replication attempt succeeded. Attempting replications provides a grounded context to wrestle with those challenges.

Identifying the potential causes of replication failures assumes that the existing evidence of replication failures is itself replicable. Most evidence comes from studies that examine replication outcomes within a single discipline and with relatively small samples. Here we report a systematic replication of quantitative published claims conducted as part of the Defense Advanced Research Projects Agency (DARPA) Systematizing Confidence in Open Research and Evidence (SCORE) program. Papers and claims were drawn from a sample of well-known journals selected to represent a diversity of subdisciplines across the social and behavioural sciences (Supplementary Table 1). The selected journals were aggregated for expository purposes into six disciplines: 11 journals in business (including organizational behaviour, management and marketing), 9 journals in economics (including finance), 7 journals in education, 7 journals in political science (including public administration), 13 journals in psychology (including health) and 7 journals in sociology (including criminology). See Supplementary Information for outcomes separately by subdiscipline, selection effects, effect size comparisons, outcomes across claims and subset analyses (Extended Data Figs. 1–6 and Supplementary Tables 8–19). For more details on the topics of the replication studies, see Extended Data Figs. 7 and 8 and Supplementary Table 20. Papers and claims eligible for inclusion had to be quantitative research of any kind and contain a statistical inference that identified a positive result using non-simulated human data including any level of human organization (for example, individuals, families, political entities, firms and economic units).

A list of authors and their affiliations appears at the end of the paper.

Nature | Vol 652 | 2 April 2026 | 143

Table 3 | Original and replication outcomes by statistical significance and pattern and by Pearson's r effect size for six disciplines

Discipline	Replication attempt statistical significance and pattern		Median Pearson's r effect size (s.d.)	
	Counts	Percentage	Original estimate	Replication estimate
Business	17.0 of 36	47.2	0.24 (0.12)	0.10 (0.13)
Economics	10.2 of 24	42.5	0.28 (0.24)	0.13 (0.20)
Education	8.2 of 13	63.1	0.15 (0.28)	0.11 (0.10)
Political science	7.8 of 15	52.0	0.16 (0.22)	0.05 (0.16)
Psychology	28.4 of 58	49.0	0.29 (0.22)	0.11 (0.20)
Sociology	9.2 of 18	51.1	0.10 (0.16)	0.03 (0.17)

Papers are weighted combinations of claims accounting for multiple claims per paper replicated in some cases. The left column indicates the number of successful replications out of the total number of papers with replication attempts. Samples for the right columns are the papers for which a Pearson's r could be calculated for the original and replication outcomes.

Was ist eine gescheiterte Replikation?

Product Entitativity: How the Presence of Product Replicates Increases Perceived and Actual Product Efficacy

NOAH VANBERGEN
CAGLAR IRMAK
JULIO SEVILLA

Many studies document the benefits of presenting smaller quantities of products, particularly when differences in quantity relate to availability or popularity. However, we know less about the effects of quantity differences in contexts unrelated to scarcity, such as when products are depicted in ads, special displays, or online retailing settings. The present research builds on extant literature by investigating a previously unexplored question: How do product perceptions differ depending on whether consumers view a single unit in isolation, versus as one unit among identical product replicates? Five experiments demonstrate that presenting multiple product replicates as a group (vs. presenting a single item) increases product efficacy perceptions because it leads consumers to perceive products as more homogeneous and unified around a shared goal. That is, consumers perceive greater product entitativity when viewing a group of product replicates. As a result, the perceived and actual ability of products to deliver that function (i.e., product efficacy) increases.

Keywords: entitativity, product quantity, perceived efficacy

Marketers feature products either in the presence or absence of product replicates in various contexts. As examples, online retailers depict offerings by showing a single unit or a group of replicates, advertisers present a single item or several identical items in their promotional materials, and in-store special displays and sampling

booths feature one package or many packages of promoted products. Such variations apply to many fast-moving consumer goods such as foods, beverages, household cleaners, and pharmaceutical products, as well as to nonperishable products (e.g., special displays of small appliances in department stores). While extant research has studied variations in product quantity in many ways (Argo and White 2012; Castro, Morales, and Nowlis 2013; Haws and Winterich 2013; Iysek and Bloch 2016; Parker and Lehmann 2011; Scott et al. 2008; Sevilla and Townsend 2016; van Herpen, Pieters, and Zeelenberg 2009, 2014; Wansink 2004; Wansink and Chandor 2014; Wansink and Kim 2005; Yan, Sengupta, and Wyer 2014), we know little about how presenting a product among product replicates, as opposed to presenting a single product in isolation, affects product perceptions and experiences. Given that marketers promote, display, and package their products in various ways, such that product replicates may or may not be visible to consumers, research on the effects of displaying a product among product replicates versus in isolation is important to both marketers and consumers.

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Editors: Darren W. Dahl and J. Jeffrey Inman

Associate Editor: Leonard Lee

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DOI: 10.1093/jcr/cvz006

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Below is the mock-up advertisement we would like you to consider. Please take about 30 seconds to look over the ad. Try to think about the ad naturally, and on the next page we will ask you about what ideas came to mind based on the ad.

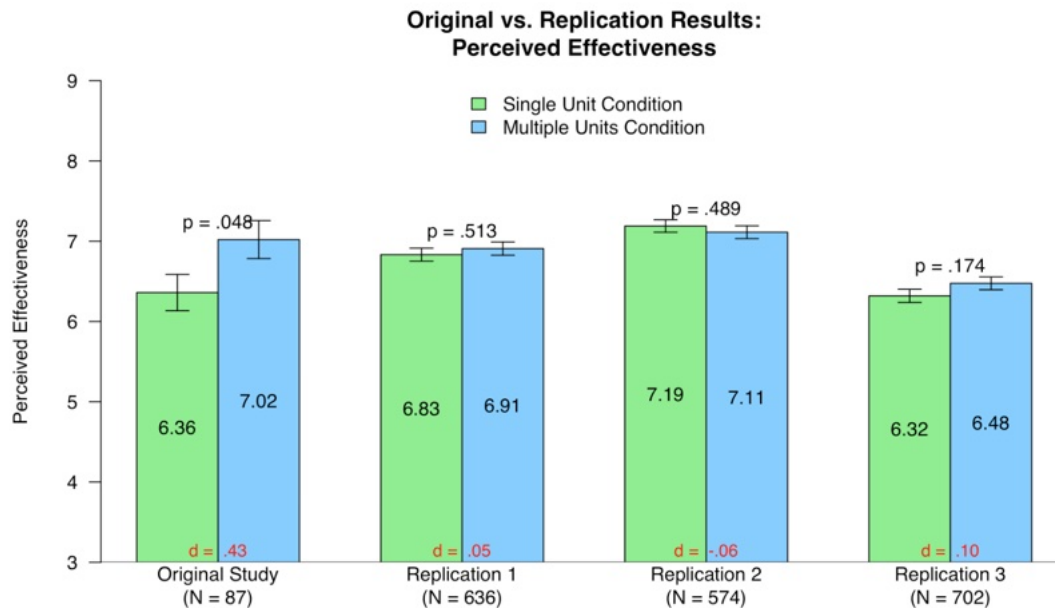


After viewing the ad, participants then proceeded to a separate page on which they answered four questions that measured how effective they believed Dettol to be. Those questions were:

1. In general, how effective do you think the Dettol you considered would be?
2. How much do you think Dettol would help you clean your home?
3. How effective do you think Dettol is in cleaning dirt and bacteria?
4. How potent do you think the active ingredients in Dettol are?

<https://datacolada.org/90>

Was ist eine gescheiterte Replikation?



Mögliche Gründe

- Der Effekt existiert zwar, aber...
 - die Stichprobe unterscheidet sich,
 - der Effekt ist kleiner als ursprünglich angenommen.
- Der Effekt ist weniger robust als gedacht.
 - Er tritt nur unter bestimmten Bedingungen auf.
 - Es gibt bislang unbekannte Moderatoren.
- Der ursprüngliche Befund war überschätzt oder zufällig.
 - kleine Stichprobe,
 - geringe Power,
 - statistische Zufallsschwankung.
- Es gab Verzerrungen im Forschungsprozess.

<https://datacolada.org/90>

Arten von Replikationen

Replikationstyp	Ohne Erweiterung	Mit Erweiterung
Direct Replication Ist das Ergebnis reproduzierbar?	Exakte Wiederholung der Originalstudie mit identischem Design, identischen Materialien und derselben Stichprobe unter denselben Bedingungen (praktisch kaum realisierbar.)	
Close Replication Bleibt der Effekt unter ähnlichen Bedingungen bestehen?	Möglichst originalgetreue Wiederholung. Das Forschungsdesign, die Operationalisierung und die Analyse orientieren sich eng an der Originalstudie; notwendige Anpassungen (z. B. Sprache, Stichprobe oder Zeit) werden auf ein Minimum beschränkt.	Replikationen mit gezielter Erweiterung, z. B. zusätzliche Moderatoren, Mediatoren, weitere Stichproben oder Länder, zusätzliche abhängige Variablen
Conceptual Replication Ist die Theorie gültig?	Überprüfung derselben theoretischen Hypothese mit einer anderen Operationalisierung der unabhängigen und/oder abhängigen Variablen oder einem veränderten Studiendesign. Ziel ist die Prüfung der Generalisierbarkeit der Theorie, nicht des konkreten Experiments.	

Close Replication – Sollten wir nach den Sternen greifen?

Navigating by the Stars: Investigating the Actual and Perceived Validity of Online User Ratings

BART DE LANGHE
PHILIP M. FERNBACH
DONALD R. LICHTENSTEIN

This research documents a substantial disconnect between the objective quality information that online user ratings actually convey and the extent to which consumers trust them as indicators of objective quality. Analyses of a data set covering 1272 products across 120 vertically differentiated product categories reveal that average user ratings (1) lack convergence with *Consumer Reports* scores, the most commonly used measure of objective quality in the consumer behavior literature, (2) are often based on insufficient sample sizes which limits their informativeness, (3) do not predict resale prices in the used-product marketplace, and (4) are higher for more expensive products and premium brands, controlling for *Consumer Reports* scores. However, when forming quality inferences and purchase intentions, consumers heavily weight the average rating compared to other cues for quality like price and the number of ratings. They also fail to moderate their reliance on the average user rating as a function of sample size sufficiency. Consumers' trust in the average user rating as a cue for objective quality appears to be based on an "illusion of validity".

Keywords: online user ratings, quality inferences, consumer learning, brand image, price-quality heuristic

Consumers frequently need to make a prediction about a product's quality before buying. These predictions

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Yaeli Morvav served as editor, and Prosen Rajkovic served as associate editor for this article.

Advance Access publication September 10, 2015

are central to marketing because they drive initial sales, customer satisfaction, repeat sales, and ultimately profit, as well as shareholder value (Aaker and Jacobson 1994; Bolton and Drew 1991; Rust, Zahorik, and Kenningham 1995). Before the rise of the Internet, consumers' quality predictions were heavily influenced by marketer-controlled variables such as price, advertising messages, and brand name (Enlson, Keane, and Sun 2008; Rao and Monroe 1989). But the consumer information environment has changed radically over the last several years. Almost all retailers now provide user-generated ratings and narrative reviews on their websites, and the average user rating has become a highly significant driver of sales across many product categories and industries (Chevalier and Mayzlin 2006; Chintagunta, Gopinath, and Venkatesan 2010; Lochner 2013; Luca 2011; Moa and Truett 2011; for a recent meta-analysis, see Floyd et al. 2014).

Most people consider the proliferation of user ratings to be a positive development for consumer welfare. User

- Online-Bewertungen korrelieren nur schwach mit den von *Consumer Reports* vergebenen Qualitätsbewertungen – die als Maß für die „objektive“ Produktqualität angesehen werden können – korrelieren,
- Konsumentinnen und Konsumenten vertrauen bei der Beurteilung der Produktqualität stärker auf Online-Bewertungen, als es aufgrund deren tatsächlicher Aussagekraft gerechtfertigt wäre.

Amazonian Forests and Trees: Multiplicity and Objectivity in Studies of Online Consumer-Generated Ratings and Reviews, A Commentary on de Langhe, Fernbach, and Lichtenstein

ROBERT V. KOZNETS

Consumer-generated ratings and reviews play an important role in the purchasing decision process and are often used as a proxy for objective quality. However, the extent to which these ratings and reviews are based on objective quality is a topic of ongoing debate. This commentary discusses the challenges of interpreting online ratings and reviews and the implications for consumer behavior research. It argues that the current literature on online ratings and reviews is largely inconclusive and that more research is needed to understand the factors that influence these ratings and reviews. The commentary also discusses the implications of online ratings and reviews for consumer behavior research and for the development of marketing strategies.

Star Wars: Response to Simonson, Winer/Fader, and Koznets

BART DE LANGHE
PHILIP M. FERNBACH
DONALD R. LICHTENSTEIN

This commentary responds to the criticisms of our article by Simonson, Winer/Fader, and Koznets. We argue that our findings are robust and that the criticisms are unfounded. We discuss the limitations of the criticisms and the strengths of our research. We also discuss the implications of our findings for consumer behavior research and for the development of marketing strategies.

Imperfect Progress: An Objective Quality Assessment of the Role of User Reviews in Consumer Decision Making, A Commentary on de Langhe, Fernbach, and Lichtenstein

ITAMAR SIMONSON

User reviews are a key source of information for consumers in the purchasing decision process. However, the extent to which these reviews are based on objective quality is a topic of ongoing debate. This commentary discusses the challenges of interpreting user reviews and the implications for consumer behavior research. It argues that the current literature on user reviews is largely inconclusive and that more research is needed to understand the factors that influence these reviews. The commentary also discusses the implications of user reviews for consumer behavior research and for the development of marketing strategies.

Objective vs. Online Ratings: Are Low Correlations Unexpected and Does It Matter? A Commentary on de Langhe, Fernbach, and Lichtenstein

RUSSELL S. WINER
PETER S. FADER

The paper by de Langhe, Fernbach, and Lichtenstein (2015) documents a substantial disconnect between objective quality information and online user ratings. This commentary discusses the challenges of interpreting these findings and the implications for consumer behavior research. It argues that the current literature on online ratings and reviews is largely inconclusive and that more research is needed to understand the factors that influence these ratings and reviews. The commentary also discusses the implications of online ratings and reviews for consumer behavior research and for the development of marketing strategies.

Close Replication – Sollten wir nach den Sternen greifen?

Journal of Marketing Behavior, 2018, 3: 167-183

Replication Note

Should We Reach for the Stars?

Examining the Convergence Between Online Product Ratings and Objective Product Quality and Their Impacts on Sales Performance

Sarah Köcher and Sören Köcher*

TU Dortmund University, Germany

ABSTRACT

By documenting that online ratings poorly correlate with quality scores provided by Consumer Reports — presumably a measure of “objective” product quality — de Langhe *et al.* (2016a) found that consumers rely more heavily on such ratings when making quality inferences than they should. Apart from replicating this finding, we examine the moderating effect of product age on the convergence between objective and rated quality and investigate which quality indicator is a better predictor of sales performance.

Keywords: Online product ratings; objective quality; sales performance; product age

Introduction

De Langhe *et al.* (2016a) recently discovered a substantial gap between the extent to which consumers trust in online product ratings when making

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Table 1: Parameter estimates (and confidence intervals) for the original and present study.

Dependent variable	de Langhe <i>et al.</i> (2016a)		Present study	
	Model A	Model B	Model A	Model B
	<i>Consumer Reports</i>		<i>Stiftung Warentest</i>	
	quality scores		quality scores	
Independent variables				
Average rating	0.16 (0.10 to 0.22)	0.09 (0.03 to 0.15)	0.13 (0.07 to 0.19)	0.08 (0.02 to 0.13)
Price		0.34 (0.28 to 0.39)		0.31 (0.26 to 0.36)
Standard error	-0.13 (-0.20 to -0.07)	-0.15 (-0.21 to -0.09)	-0.15 (-0.21 to -0.09)	-0.18 (-0.23 to -0.12)
Average rating × standard error	-0.06 (-0.12 to -0.01)	-0.07 (-0.12 to -0.02)	-0.01 (-0.06 to 0.04)	-0.01 (-0.05 to 0.04)
Average correlation between average rating and objective quality scores	0.18		0.18	
Percentage of negative correlations	34		36.3	
Data source of independent variables	Amazon.com		Amazon.de	
Number of observations	N = 1,272 products across 120 categories		N = 1,322 consumer electronic products across 224 categories	

Conceptual Replication – Differential Price Framing

Article

AMERICAN MARKETING ASSOCIATION

Journal of Marketing Research
2019, Vol. 56(5) 624-641
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When “More” Seems Like Less: Differential Price Framing Increases the Choice Share of Higher-Priced Options

Thomas Allard, David J. Hardisty, and Dale Griffin

Abstract
Four experiments supported by six supplemental studies show that premium but higher-priced products (e.g., direct flights, larger-capacity data storage devices) are more popular when the additional cost is made explicit using differential price framing (DPF; e.g., “for \$20 more”) rather than being left implicit, as in standard inclusive price framing (IPF; e.g., “for \$40 total”). The DPF effect is driven by pricing focalities: relative to IPF, DPF creates a focus on the price difference, which, because it is smaller than the total price, leads to lower perceived expensiveness and thus greater choice share for the premium option. This price framing effect is robust to displaying the total cost of the purchase, bad deals, and easy-to-compute price differences, and it appears to be uniquely effective in pricing contexts. However, DPF effects are reduced among consumers who adopt a slow and effortful decision process. These findings have implications for research on price partitioning, the design of effective pricing strategy, the sources of expensiveness perceptions in the marketplace, and consumer welfare.

Keywords
attribute framing, expensiveness, heuristic processing, price partitioning, pricing strategy
Online supplement: <https://doi.org/10.1177/0022243719851490>

Imagine shopping for a new computer monitor from a well-known brand. Deliberating between the standard 23-inch model and the more expensive 27-inch model, you notice that Retailer A quotes \$199.99 for the 23-inch model and \$259.99 for the 27-inch model. In contrast, retailer B quotes the prices as \$199.99 for the 23-inch model and “\$60.00 more” for the 27-inch model. How might these two pricing strategies influence your choices? Although simple arithmetic quickly reveals that both pricing formats lead to equivalent payments at the cash register, we predict that because of a representational bias caused by consumers focusing on the explicitly presented price format (“pricing focalities”), consumers will be more likely to purchase the 27-inch version at retailer B, where it is offered for “\$60 more.”

We test the notion that when selecting between a pair of products, with one being higher in quality and higher in price (“premium” option hereinafter), consumers are more likely to select the premium option when retailers quote the price difference from the standard option, rather than the total price of the premium option. Specifically, we define differential price framing (DPF), a price framing strategy that presents consumers with the upward price difference between vertically differentiated products (e.g., “\$199.99” and “\$60 more”). We contrast this approach with a more traditional pricing strategy—inclusive price framing (IPF)—that presents the total or aggregated price of each option (e.g., “\$199.99” and “\$259.99”).

We show that DPF leads to stronger preferences for the premium product than IPF because focusing on the price difference, compared with focusing on the two total prices, leads consumers to perceive the premium option as less expensive. For instance, when selecting between a standard version of a product for S_X and a premium quality version for S_Y , framing the price of the premium option as a $\Delta S_X = (S_Y - S_X)$ increase will lead consumers to focus on the smaller ΔS_X amount (rather than S_X) as they make their subjective value assessment of the relative cost of the two products. Because $\Delta S_X < S_X$, and because most consumers use the information as presented to make expensiveness assessments (e.g., Raghuram and Srivastava 2002; Wertenbroch, Soman, and

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Inclusive Price Framing Condition

	
Dell 23" Monitor - Black	Dell 27" Monitor - Black
Screen Size: 23-inch	Screen Size: 27-inch
Resolution: 1920 x 1080	Resolution: 1920 x 1080
Display Type: LED Back-lit LCD	Display Type: LED Back-lit LCD
Aspect Ratio: 16:9	Aspect Ratio: 16:9
Refresh Rate: 60 Hz	Refresh Rate: 60 Hz

The smaller version is available for \$199.99 and the larger version is available for \$259.99.

Differential Price Framing condition

	
Dell 23" Monitor - Black	Dell 27" Monitor - Black
Screen Size: 23-inch	Screen Size: 27-inch
Resolution: 1920 x 1080	Resolution: 1920 x 1080
Display Type: LED Back-lit LCD	Display Type: LED Back-lit LCD
Aspect Ratio: 16:9	Aspect Ratio: 16:9
Refresh Rate: 60 Hz	Refresh Rate: 60 Hz

The smaller version is available for \$199.99 and the larger version is available for \$60.00 more.

	IPF	DPF
% premium option	42%	58%

- In einer Reihe von zehn Labor- und Online-Studien zeigten Allard et al. (2019), dass Konsumentinnen und Konsumenten eine stärkere Präferenz für Premiumprodukte mit höherem Preis gegenüber Standardprodukten haben, wenn ihnen die zusätzlichen Kosten der teureren Option (z. B. „für 20 € mehr“) statt des Gesamtpreises („für insgesamt 60 €“) präsentiert werden
- Ob der Effekt sich auch in realem Einkaufsverhalten beobachten lässt ist jedoch noch unklar

Conceptual Replication – Differential Price Framing



A) Inclusive price framing condition

Boxershorts aus Bio-Baumwolle
die eine Passform wie eine zweite Haut haben

nur 6,67 €/ Stück

€39,99 inkl. MwSt.

inkl. KOSTENLOSER Versand & Retouren

Menge		
Bestelle einen Mengenpack und spare bis zu 16%		
6 Stück	12 Stück	18 Stück
€39,99	€72,99	€100,99

B) Differential price framing condition

Boxershorts aus Bio-Baumwolle
die eine Passform wie eine zweite Haut haben

nur 6,67 €/ Stück

€39,99 inkl. MwSt.

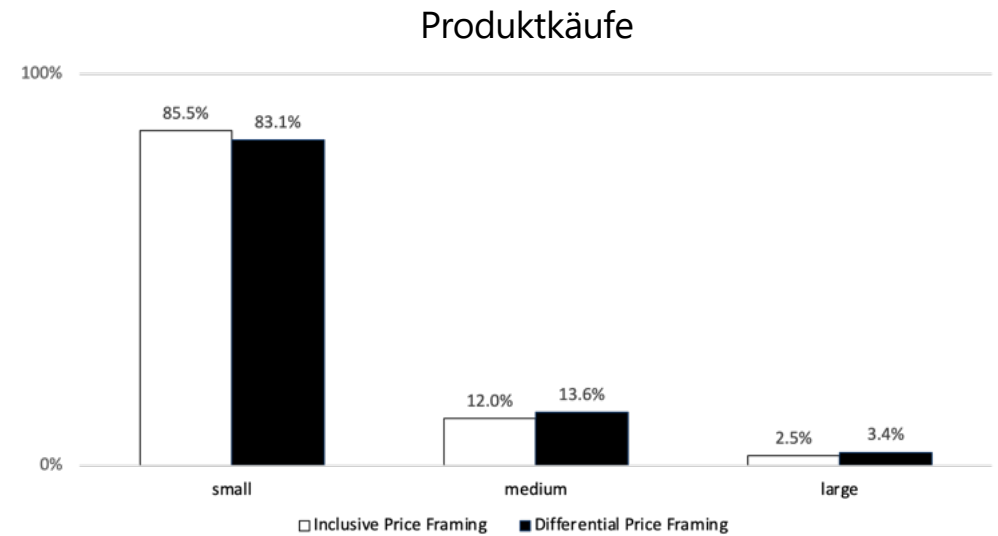
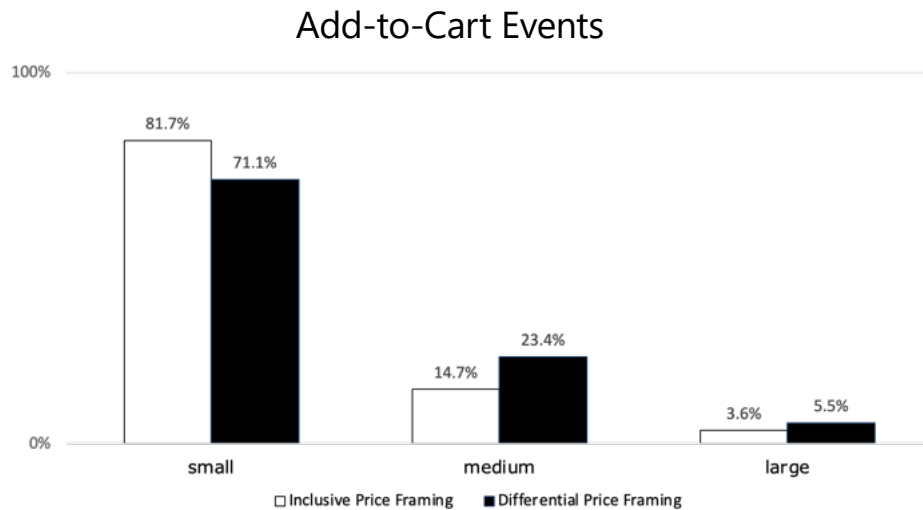
inkl. KOSTENLOSER Versand & Retouren

Menge		
Bestelle einen Mengenpack und spare bis zu 16%		
6 Stück	12 Stück	18 Stück
€39,99	+ €33,00	+ €61,00

Datengrundlage:

45.626 Add-to-Cart Events und 30.426 Produktkäufe
von 138.026 Websitebesuchern

Conceptual Replication – Differential Price Framing



- Kein Unterschied in den Conversion Rates, $C_{IPF} = 11.8\%$ vs. $C_{DPF} = 11.7\%$
- Durchschnittlicher Bestellwert: $M_{IPF} = 50.98$ vs. $M_{DPF} = 52.50$ ($p < .001$)

Replikationen in der betriebswirtschaftlichen Forschung

Was Journals bevorzugen

- Neue Theorien
- Überraschende ("counterintuitive") Ergebnisse
- Hohe theoretische Originalität
- Signifikante Effekte

Neuheit ist ein zentrales Publikationskriterium

Replikationsstudien

- testen bestehende Erkenntnisse
- prüfen Robustheit und Generalisierbarkeit
- erweitern Theorien

häufig geringere Publikationschancen

Die Rolle von Open Science in der Replikationsforschung

Open-Science-Praktik	Originalstudien	Replikationsstudien
Open Materials	Materialien (z. B. Fragebögen, Stimuli, Instruktionen) offen bereitstellen, damit Studien möglichst originalgetreu repliziert werden können.	Verwendete Materialien und ggf. Anpassungen offen dokumentieren, damit weitere Replikationen möglich werden.
Open Data	Daten veröffentlichen, damit Ergebnisse überprüft, Effektgrößen nachvollzogen und Reanalysen durchgeführt werden können.	Daten veröffentlichen, damit Replikationsergebnisse überprüft, in Meta-Analysen integriert und weiterverwendet werden können.
Open Code	Analyseskripte bereitstellen, damit Ergebnisse reproduzierbar und nachvollziehbar sind.	Analyseskripte offenlegen, damit die Replikation vollständig reproduzierbar ist.
Präregistrierung	Hypothesen und Analysen vor Datenerhebung festlegen und transparent dokumentieren.	Replikationsdesign und Analyseplan vorab festlegen, um analytische Flexibilität zu reduzieren und die Glaubwürdigkeit zu erhöhen.
Open Access / Preprint	Studie frei zugänglich machen.	Replikationsergebnisse unabhängig vom Publikationserfolg zugänglich machen und so Publication Bias reduzieren.

Only when **certain events occur in accordance with rules or regularities**, as in the case of repeatable experiments, can our observations be tested – in principle – by anyone.

We do not take even our own observations quite seriously, or accept them as scientific observations, until we have repeated and tested them. Only by such repetitions can we convince ourselves that we are not dealing with a mere isolated 'coincidence,' but with events which, on account of their regularity and reproducibility, are in principle inter-subjectively testable.

(Popper 1959)

Herzlichen Dank für Ihre Aufmerksamkeit!



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