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Word of mouth affects consumer behavior, but how does the language used in word of mouth shape that impact? Might certain types of consumers be more likely to use certain types of language, affecting whose words have more influence? Five studies, including textual analysis of more than 1,000 online reviews, demonstrate that compared to more implicit endorsements (e.g., "I liked it," "I enjoyed it"), explicit endorsements (e.g., "I recommend it") are more persuasive and increase purchase intent. This occurs because explicit endorsers are perceived to like the product more and have more expertise. Looking at the endorsement language consumers actually use, however, shows that while consumer knowledge does affect endorsement style, its effect actually works in the *opposite* direction. Because novices are less aware that others have heterogeneous product preferences, they are more likely to use explicit endorsements. Consequently, the endorsement styles novices and experts tend to use may lead to greater persuasion by novices. These findings highlight the important role that language, and endorsement styles in particular, plays in shaping the effects of word of mouth.

Keywords: word of mouth, language, persuasion, consumer knowledge, social perception

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How Language Shapes Word of Mouth's Impact

Word of mouth has an important impact on consumer behavior (Babić Rosario et al. 2016; Berger 2015). Others' opinions shape everything from the everyday products people buy (Chevalier and Mayzlin 2006; Ho-Dac, Carson, and Moore 2014) to important medical and financial matters (Iyengar, Van den Bulte, and Valente 2011; Lin and Fang 2006).

While it is clear that others' opinions are persuasive, less attention has been paid to *how* such opinions are expressed. Might the specific words consumers use to signal their product support affect persuasion—and if so, how?

This article examines the endorsement language consumers use and how this language affects word-of-mouth persuasion. Sometimes people endorse a product or service by saying "I recommend it," while other times they might simply say "I like it." Although these variations may seem minor, we examine these turns of phrase as different "endorsement styles," or explicit versus implicit assertions of product approval. Furthermore, we demonstrate that these language variations influence an endorsement's persuasive impact. People are more likely to choose a product someone else recommended, rather than liked, because the former signals that the endorser both likes the product more and has more domain expertise.

We also demonstrate that consumer knowledge influences which endorsement style people use. Less knowledgeable consumers are particularly likely to say "I recommend it" because they are less aware that personal tastes vary (i.e., preference heterogeneity). Consequently, in the absence of other source credibility information, people may paradoxically be more persuaded by novices than experts. Five studies, including a mix of field data and laboratory experiments, test these predictions.

This article makes three main contributions. First, we outline different endorsement styles—consumer declarations

of product approval or support following a positive experience. While a great deal of research has shown that word-of-mouth endorsements influence behavior, there has been less attention to the language people use when making such endorsements. We examine explicit versus implicit endorsement styles and demonstrate that they influence word of mouth's impact.

Second, we examine *why* endorsement styles influence persuasion. We provide evidence for two complementary processes. Explicit recommendations suggest that the endorser liked the product more, which makes recipients think they will like it more as well. In addition, explicit recommendations suggest that the endorser has more knowledge, which makes his or her endorsement more persuasive.

Third, we contribute to research on consumer knowledge. This literature's focus has tended to be within individuals; that is, examining how someone's experience with or expertise regarding a category's attributes or benefits affects that person's own information processing and decisions (Alba and Hutchinson 1987). We show that consumer knowledge is also social; specifically, it includes a person's comprehension of what *other people* like or value. Less knowledgeable consumers fail to consider preference heterogeneity when endorsing, leading to explicit endorsements.

WORD OF MOUTH

Consumer-to-consumer transmission of product information (i.e., word of mouth) is a hot topic for practitioners and academics. More than half of C-level executives describe word of mouth as a key business priority (Simonson and Rosen 2014; WOMMA 2014), and there is strong empirical evidence that this attention is well placed. Hearing that someone else likes something drives people to purchase (Chevalier and Mayzlin 2006; Liu 2006; Trusov, Bucklin, and Pauwels 2009), generating $6 trillion a year in economic value (WOMMA 2014).

Although a great deal of research has demonstrated that consumer opinions shape behavior, there has been less work examining *how* such opinions are conveyed. Prior research has tended to consider all positive word of mouth as having the same impact, regardless of the words used to express it (Chen and Lurie 2013; De Angelis et al. 2012). Chevalier and Mayzlin (2006), for example, treat all four-star Amazon reviews as having the same impact on sales, regardless of the language in each review.

Similarly, researchers often describe any positive word of mouth as a "recommendation," regardless of whether consumers actually use that word (e.g., Berger 2014; Cheema and Kaikati 2010; Naylor, Lamberton, and West 2012; Wojnicki and Godes 2011). Word-of-mouth recommendations have been described as a decision "surrogate" (Duhan et al. 1997) that helps remove less attractive alternatives from consideration (Ariely, Lynch, and Aparicio 2004; Fitzsimons and Lehmann 2004) and advance decision tasks from search to choice (Delleart and Haubl 2012). Other work has examined when and how prior word-of-mouth interactions help people determine whether a source's recommendation is diagnostic for the decision at hand (Gershoff, Broniarczyk, and West 2001; Gershoff and Johar 2006; Gershoff, Mukherjee, and Mukhopadhyay 2003). While this body of research suggests that product endorsements advance decision making, we are unaware of prior

work that considers the language people use to deliver their endorsement.

The specific words people use to declare their own positive evaluation, however, are important. Language use has a substantial impact on persuasion (Hosman 2002). In the context of consumer social interactions, researchers have begun to examine the consequences of language-related phenomena such as abstract versus concrete word use (Schellekens, Verlegh, and Smidts 2010), boasting (Packard, Gershoff, and Wooten 2016), explained actions (Moore 2015), figurative language (Kronrod and Danziger 2013), emotional words (Berger and Milkman 2012), and linguistic mimicry (Moore and McFerran 2016).

Might the language consumers use to express their product approval affect the persuasive impact of word of mouth? And if so, how?

THE CURRENT RESEARCH

We outline different endorsement styles—the language consumers use when endorsing something or declaring their personal approval or support.[1] Imagine you have a positive hotel experience and want to share that with others. You might say "I liked that hotel" or "I recommend that hotel." The former can be described as an implicit endorsement, or assertion of your own personal positive opinion—how you feel toward an attitude object (i.e., first-person pronoun + declaration of approval for self). The latter can be described as an explicit endorsement, or a speaker's declaration that the object is appropriate for others (i.e., first-person pronoun + declaration of approval for others). McCracken (1989) briefly discussed related modes of product approval in his cultural analysis of celebrity endorsements but did not analyze them further. Research on probability judgments in advice taking has distinguished processing word-of-mouth *evaluations*, or the source's subjective appraisal of an alternative, from *recommendations*, or the source's social presentation of an appropriate alternative (Gershoff, Broniarczyk, and West 2001). Our conceptualization builds on these foundations, defining implicit endorsements as the speaker's declaration of his or her own tastes (i.e., an "assertive") and explicit endorsements as a declaration that the speaker finds the object appropriate for an audience (i.e., a "directive" [Searle 1969; see also Perelman and Olbrechts-Tyteca 1991]).

We suggest that *how* people endorse a product—the endorsement styles they use—influences word-of-mouth persuasion for two key reasons. First, explicit endorsements should make the endorser seem more knowledgeable, which should make his or her endorsement more persuasive. Consumers try to infer source expertise when determining whether to follow word of mouth (Gershoff, Broniarczyk, and West 2001; Gershoff and Johar 2006; Naylor, Lamberton, and Norton 2011). When explicit experience or expertise cues are available (e.g., reviewer badges, job titles; Ghose and Ipeirotis 2011; Karmaker and Tormala 2010), people use them to follow the endorsements of people who seem to know more (Petty and Wegener 1998; Pornpitakpan 2004).

Variations in the way information is conveyed should provide similar cues (Chaiken, Liberman, and Eagly 1989). Compared to people who do not make recommendations, for

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[1] *Oxford Dictionaries*, s.v. "endorse," (accessed March 3, 2015), http://www.oxforddictionaries.com/us/definition/american_english/endorse.

example, those who recommend more often are perceived as more knowledgeable about the product they endorse, suggesting that the mere act of recommending is linked to expertise (Brown and Reingen 1987; Dichter 1966; Duhan et al. 1997). By definition, recommendations are expected to come from authority[2] and with greater perceived expertise comes greater persuasion (Petty and Wegener 1998; Pornpitakpan 2004). Consequently, people who use explicit endorsements should seem like they know more, which should make others more likely to follow their endorsement.

Second, explicit endorsements may be more persuasive because they suggest that the endorser liked the product more. Inferring the sender's preferences is central to the word-of-mouth recipient's decision process (Gershoff, Broniarczyk, and West 2001). While implicit endorsements (e.g., "I enjoyed this wine") only assert one's personal evaluation, explicit endorsements (e.g., "I recommend this wine") convey that the sender feels sufficiently positive about a product to approve of it for others (Gershoff, Broniarczyk, and West 2001). Indeed, one of the best predictors of product repurchase is willingness to recommend (Reichheld 2003), and as a result, people may perceive the sender's willingness to recommend a product as a signal that (s)he holds a particularly positive attitude toward the product him- or herself.

Implicit endorsements are not likely to be as persuasive. They simply summarize the source's personal product evaluation, which recipients can often infer from the evaluative content of word of mouth (e.g., "The hotel room was clean and nice looking") without the addition of a summarizing assertion (e.g., "I liked the hotel"; Babić Rosario et al. 2016). Consequently, adding an implicit endorsement to positive word of mouth may have little effect on persuasion relative to explicit endorsements, and even relative to no endorsement at all. Overall, then, we suggest that explicit endorsements should boost persuasion by encouraging recipients to think the endorser likes the product more and has more expertise.

Consumer Knowledge and Endorsement Styles

Are these social perceptions accurate? While we expect that explicit endorsements will make the endorser seem like (s)he has more expertise, paradoxically, we suggest that *less knowledgeable* consumers will actually be more likely to use them.

Consumer knowledge is someone's experience with and/ or expertise in a product category. As a person's category experience grows, his or her ability to differentiate products should become more refined, complete, and accurate (Alba and Hutchinson 1987). People who know more about cars, for example, are better at differentiating car makes and models (Rosch et al. 1976). Similarly, while a North American foodie can distinguish Chinese, Korean, and Taiwanese cuisines, a less experienced restaurant-goer may perceive all Asian food as more or less the same. Thus, as consumer knowledge increases, so does awareness of heterogeneity in brands and attributes available in a category.

We predict that this link between consumer knowledge and awareness of product heterogeneity will also extend to heterogeneity in others' preferences. Preference heterogeneity describes the diversity of consumer needs and wants (Feick and Higie 1992). Consumers often observe the choices and preferences of others (Ariely and Levav 2000; McFerran et al. 2010), even if they are not interacting with the people they observe (Zhou and Soman 2003). Greater category experience should give consumers more opportunity to observe the consumption (and responses to consumption) of others. For example, compared with someone who has never eaten Korean food, someone who often eats Korean food should have a better sense of how different people feel about that cuisine (based on experience talking to others or seeing others' choices). As a result, category experience or expertise should make people more aware of others' preference variation (e.g., that different people may or may not like kimchi).

We suggest that awareness of preference heterogeneity, in turn, should decrease consumers' tendency to explicitly endorse (e.g., "I recommend it"). Compared with more knowledgeable consumers, less knowledgeable consumers should be more likely to use explicit endorsements because their lower awareness of preference heterogeneity may lead them to assume that if they like it, others will as well. In short, less knowledgeable consumers might not only have less sophisticated tastes but also be less aware that others' tastes may not match their own (Kruger and Dunning 1999).

In contrast, there is no clear link between implicit endorsements and consumer knowledge of others' tastes. Implicit endorsements (e.g., "I liked it") are assertions of personal approval, an aggregate evaluative assertion likely to accompany explaining language (Moore 2012, 2015). While recommendations, by definition, contain a social "should" argument (i.e., that you [the recipient] should try this product), implicit endorsements have no such social basis. They are simply personal, subjective "truths" that reveal little about the world beyond the individual (Wisnewski 2002). Consequently, there is no reason to expect that consumers' knowledge of others' taste will affect their implicit endorsement use. Taken together, explicit (but not implicit) endorsements should be used more often by novices than experts because of the novices' lower awareness of others' preference heterogeneity.

Empirical Investigation

Five studies, leveraging a mix of field data and laboratory experiments, test these predictions. Study 1 analyzes more than 1,000 real consumer reviews to examine whether less experienced buyers are more likely to use explicit endorsements. Study 2 experimentally tests the relationship between consumer knowledge and explicit endorsement, and examines the hypothesized mechanism behind this effect. We manipulate attention to preference heterogeneity, and investigate whether it decreases novices' use of explicit endorsements. Study 3 focuses on endorsement style's impact, testing how explicit endorsements affect persuasion and examining the mechanisms underlying this effect. Finally, Studies 4 and 5 use a yoked design to combine both the sender's selection (Study 4) and recipient's processing (Study 5) of explicit versus implicit endorsements. We test whether novices are more likely to use explicit endorsements (Study 4) and whether this, combined with novices' tendency to choose inferior products (Alba and Hutchinson

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[2]*Oxford Dictionaries*, s.v. "recommendation," (accessed March 3, 2015), https://en.oxforddictionaries.com/definition/us/recommendation.

1987), can lead people to be more persuaded by novices and sometimes make inferior choices (Study 5).

Note that we focus primarily on explicit endorsements—their impact and what drives their use. Although our studies examine implicit endorsements as a comparison, we do not expect consumer knowledge to moderate their use. Furthermore, given that real reviews can mix both explicit and implicit endorsements, we focus on what drives consumers to choose explicit endorsements, whether in addition to, or instead of, implicit ones. We also include no endorsement conditions as a baseline in Studies 3–5.

STUDY 1: DO LESS KNOWLEDGABLE PEOPLE TEND TO RECOMMEND?

Study 1 investigates the link between consumer knowledge and explicit endorsements in the field. Using actual consumer purchase data and more than 1,000 product reviews, we examine whether less experienced consumers are more likely to explicitly recommend products.

Data and Method

A large North American online book retailer provided a random sample of consumer book reviews posted on its website (1,500 reviews selected from all book reviews written in 2007–2008). Seventy-nine reviews contained no text (i.e., a star rating only) or were not written in English, leaving 1,421 for analysis. The median reviewer purchased 12 books (SD = 41.3) within this period and wrote 10 book reviews (SD = 34.79).[3]

First, two independent judges identified the presence of explicit endorsements in a training set (100 randomly selected reviews). They noted any first-person assertions of approval or support of the book for others (e.g., "I recommend this book").[4] Judge agreement on the training set was high (97.0%), and disagreements were resolved through discussion.

Using the language flagged by the judges and the full data set, we developed search strings that identified explicit endorsements using automated content analysis procedures (Humphreys and Wang 2017). The rule set flagged reviews containing any word starting with the string "recomm" (e.g., "recommend," "recommendation," "recommended") or its synonyms (e.g., "endorse," "suggest") and a first-person pronoun (i.e., "I," "my," or "we") in the same sentence. Two judges and the first author then manually went through the flagged content. There was full interjudge agreement with the automated coding for 92.4% of the reviews. There were no three-way disagreements, and majority rules determined the final coding.[5]

Fifteen percent of reviews (15.1%) contained an explicit endorsement. The vast majority (96.0%) used the word "recommend" or its variants (e.g., "I recommend this book," "It gets my highest recommendation"). A small remainder (4.0%) contained alternative explicit endorsement language such as "I suggest this book for everyone" or "I think people should read this." Results are the same regardless of whether these alternative explicit endorsements are included, but given how infrequently they appeared in the field, subsequent experiments operationalize explicit endorsements using the word "recommend."

We followed a similar procedure to identify implicit endorsements. The same combination of judge and automated content analysis described previously identified cases in which reviewers asserted personal approval or support of the overall book (e.g., "I enjoyed it"). Reviews containing first-person pronouns and words such as "like," "enjoyed," and "favorite' (e.g., "I like this book") were flagged as implicit endorsements. Implicit endorsements were present in 19.5% of reviews and most frequently used words such as "like" (43.6% of implicit endorsements) or "enjoy" (34.9% of implicit endorsements). Less frequent were phrases such as "My favorite novel," "I couldn't put this down," and "This book captivated me." Inclusion of these various alternatives does not affect the results.[6]

While neither category experience or category expertise are perfect measures of category knowledge (Alba and Hutchinson 1987), in cases in which learning stems from consumption, experience has been found to be a particularly strong measure of consumer knowledge (e.g., books; Raju, Lonial, and Mangold 1995). Consequently, we operationalized consumer knowledge as the number of books purchased before the review's date stamp.

For our base analysis, we ran separate binary logistic regressions examining (1) explicit or (2) implicit endorsements as a function of category experience. We included star rating to control for the reviewer's overall positivity toward the product and a dummy variable to control for the small number of cases (N = 58) in which both endorsement styles were present within the same review. All results remain the same without these covariates.

Results

As predicted, less knowledgeable consumers were more likely to use explicit endorsements (B = −.013, Z = 3.37, p < .001). More knowledgeable consumers (+1 SD in book purchases) explicitly recommended books only 5.7% of the time, but this increased to 20.7% among less experienced consumers (−1 SD). The same analysis revealed no relationship between category experience and implicit endorsements (+1 SD = 16.9%, −1 SD = 14.8%; B = .002, Z = 1.10, p = .27).[7]

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[3]Results are not affected by removing three extreme (>2 SD) outliers who wrote more than 50 reviews each.

[4]We focus on cases in which reviewers endorse the product as a whole, rather than only some attribute of it. Single-attribute endorsements (e.g., "I liked the plotline") are not endorsements of the book as a whole and were often accompanied by negative assertions about other product attributes. The vast majority (99.5%) of reviews included such descriptive information about individual attributes (e.g., "It's a funny story," "That character is so whiny").

[5]Examples in which judges corrected the automated coding include third-person explicit endorsements (e.g., "My friend recommended this") and endorsements for something other than the book reviewed (e.g., "I recommend seeing the movie"). Judges also identified a few explicit endorsements in which first-person was implicit (e.g., "Highly recommended!").

[6]For thoroughness, we also flagged reviews in a third category that can be described as imperative endorsements (McCracken 1989), in which the reviewer asserts that others should, will, or must have a positive experience with the product (i.e., second person pronoun + declaration of approval for others; e.g., "You'll like it"). There were relatively few imperative endorsements (only 3.7% of reviews), and their use was not linked to category experience (B = .000, Z = .22, p = .83).

[7]Reviews containing explicit endorsements also tended to include higher star ratings (B = .314, Z = 2.93, p < .01) and contain implicit endorsements in the same review (B = .925, Z = 4.99, p < .001). Although star rating did not predict implicit endorsements use (B = .003, Z = .03, p = .98), the presence of an explicit endorsement did (B = .926, Z = 5.01, p < .001).

Robustness. We focused on all reviews in our initial test, but the observed relationship between category experience and explicit endorsements also persists when we examine just positive reviews (four or five stars; N = 944; B = −.014, Z = 3.53, *p* < .001). More knowledgeable consumers (+1 SD in book purchases) explicitly recommended books only 9.2% of the time, but this increased to 34.1% among less experienced consumers (−1 SD). There was still no relationship between category experience and implicit endorsements (+1 SD = 19.6%, −1 SD = 21.6%; B = .002, Z = .97, *p* = .33).

Because many people wrote more than one review, we also used a model incorporating random effects for reviewer to account for nonindependence in reviews. Results remain the same. More experienced book consumers were still less likely to use explicit endorsements (B = −.001, t(944) = 2.47, *p* = .01). Results also remained the same if we added a dummy for reviewers who had purchased no books from the retailer (zero as a special case; B = −.001, t(944) = 2.99, *p* < .01).

One might wonder whether selectivity or experience writing reviews could explain the results. If experts write more reviews, one could argue that they are less likely to use explicit endorsements because the volume of reviews they write makes them more selective about making recommendations (i.e., they recommend only a small portion of what they read). Yet even controlling for the number of reviews written (which itself was not significant [B = .0001, t < .3, *p* > .7]), the relationship between experience and explicit endorsements persists (B = −.001, t(944) = 2.91, *p* < .01).

It also does not seem that experts were more critical about the books they reviewed (i.e., gave lower evaluations) or tended to read lower-quality books. There was no difference in the mean star rating (F < 1) or the distribution of star ratings (χ^2 < 1.7, *p* > .8) for consumers with high (vs. low) purchase experience (see Appendix A).

Discussion

Study 1 provides preliminary support for our theorizing. Our analysis of more than 1,000 book reviews demonstrates a negative relationship between category knowledge and explicit endorsements. Compared with more experienced book buyers, less experienced people were more likely to use explicit endorsements (e.g., "I recommend this book").

As expected, there was no relationship between implicit endorsements and category experience. Because implicit endorsements were a common alternate endorsement style, however, we use them as the comparison to contrast explicit endorsements in the remaining studies.

These field results are supportive, but to provide stronger experimental control we turn to the laboratory. In the following experiments, we (1) test whether category expertise drives the use of explicit endorsements, (2) examine the process underlying this effect, and (3) investigate how this relationship influences the perceptions and choices of word-of-mouth recipients.

STUDY 2: WHY LESS KNOWLEDGABLE PEOPLE TEND TO RECOMMEND

Study 2 has four goals. First, it tests the relationship between category knowledge and endorsement style in a more controlled setting. All participants are given the same scenario, and we examine whether novices are again more likely to use explicit endorsements. Second, Study 2 examines the hypothesized underlying process. If, as we suggest, novices use explicit endorsements more than experts because they are less aware of preference heterogeneity, then reminding all participants that people have varied preferences should reduce this discrepancy. We test this possibility. Third, we operationalize consumer knowledge using category expertise rather than experience to test whether the results still hold. Fourth, we test whether any of six alternative explanations can explain the effects. In particular, one might wonder whether rather than being driven by awareness of preference heterogeneity, our effects are driven by self-enhancement motives. If explicit endorsements make people seem like they have more expertise, for example, novices may use them to seem like experts. We test a self-enhancement explanation through both manipulation and measurement to determine whether it can explain the results.

Method

Participants (N = 604, 55.0% female, mean age = 36 years) from Amazon Mechanical Turk (MTurk) were randomly assigned to one of six conditions in a 2 (preference heterogeneity: control, primed) × 3 (self-enhancement motive: low, control, high) between-subjects design. Everyone was asked to imagine browsing a travel website and coming across a hotel where they had recently stayed and had a positive experience. Participants were shown a screenshot of a generic travel website and the focal hotel.

First, we manipulated attention to preference heterogeneity. Prior research has demonstrated that in categories in which tastes can vary, people attribute dispersion in reviewer ratings to heterogeneity in consumer preferences (He and Bond 2015; Sun 2012). Consequently, all participants were told that they had decided to post a positive hotel review, but in the preference heterogeneity condition, participants saw highly dispersed (i.e., more bipolar than central distribution) star ratings for the hotel from prior website visitors (see Appendix B).[8] A manipulation check validated this approach, demonstrating that compared with the control (M = 3.15), the prime increased awareness that people have varied hotel preferences (M = 3.81; F(1, 601) = 40.95, *p* < .001; for items, see Appendix C). While experts (+1 SD category expertise, M = 3.42) were more aware of preference heterogeneity than novices (−1 SD, M = 2.84) in the control condition (B = .20, t = 4.23, *p* < .001), priming people to think about preference heterogeneity increased novices' awareness (M = 3.93; B = 1.08, t = 7.57, *p* < .001) and made them as aware as experts (M = 3.67; B = −.09, t = −1.79, *p* = .07).

Second, participants indicated whether they would write an explicit ("I recommend it. I would suggest staying here") or implicit ("I enjoyed it. I had a great stay here"; order counterbalanced) endorsement as part of their review. Third, participants completed a ten-item multiple choice

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[8]We did not present the dispersion of star ratings from prior website visitors to consumers at the book retailer website used in Study 1. Therefore, we expect that Study 2 participants assigned to the control condition will behave like consumers observed in Study 1.

category expertise test (e.g., "Who gives the very best hotels a 'Five Diamond' rating?" [correct answer = AAA]; M = 4.89 correct answers, SD = 1.47; for more examples, see Appendix D).

Fourth, to test five additional alternative explanations, we also manipulated self-enhancement motive (described subsequently) and measured subjective category knowledge, signaling cost of making a bad recommendation, attitude toward the hotel, category attitude confidence, and altruistic motives for the endorsement. Appendix C reports all items and scale reliabilities.

Finally, we measured gender and age. There were no main effects or interactions due to gender or age in this or subsequent studies, so we do not discuss these variables further.

Results

A logistic regression analyzed the choice of explicit versus implicit endorsement as a function of category knowledge (mean-centered), preference heterogeneity condition (effects coded: control = −1, primed = 1), and their interaction. A main effect of preference heterogeneity prime (B = −1.07, Z = 3.45, p < .001) was qualified by the predicted category knowledge × preference heterogeneity interaction (B = .18, Z = 2.94, p = .003). Consistent with Study 1, in the control condition, novices (−1 SD category expertise) were more likely to "recommend" the hotel (M = 46.7%) than experts (+1 SD category expertise; M = 31.5%; B = −.22, Z = −2.57, p = .01). Reminding participants of preference heterogeneity, however, eliminated this difference, decreasing novices' likelihood of using explicit endorsements to the level of experts ($M_{novices}$ = 25.8% vs. $M_{experts}$ = 34.5%; B = .14, Z = 1.65, p = .10; Figure 1). In other words, although reminding participants of preference heterogeneity had no effect on experts (who, as the manipulation check shows, are already aware of preference heterogeneity; B = .13, Z < .6, p > .5), as we expected, it decreased novices' tendency to explicitly recommend the hotel (B = −.92, Z = −3.69, p < .001).

Discussion

Study 2 provides further evidence that category knowledge influences the use of explicit endorsements, while also demonstrating the process underlying this effect. First, consistent with Study 1, novices were more likely to use explicit endorsements (i.e., "I recommend the hotel").

Second, as we predicted, attention to preference heterogeneity underlies this effect. At baseline, novices were less aware of preference heterogeneity. Reminding participants that people's category preferences differ led novices to act more like experts and avoid explicit recommendations.

In addition to testing self-enhancement directly through manipulation, we also considered five alternative explanations. First, rather than being driven by preference heterogeneity, one could argue that novices are more likely to make recommendations because they want to look good to others (or that experts are less likely to do so because they want to avoid looking bad). To test this possibility, in addition to our preference heterogeneity manipulation, we manipulated self-enhancement motives. In the control condition, participants were told, "You decide to share your thoughts about the hotel online." In the low self-enhancement condition this was extended to say, "with some people you don't care about

Figure 1
MAKING PREFERENCE HETEROGENEITY ACCESSIBLE ELIMINATES THE EFFECT OF EXPERTISE ON ENDORSEMENT STYLE
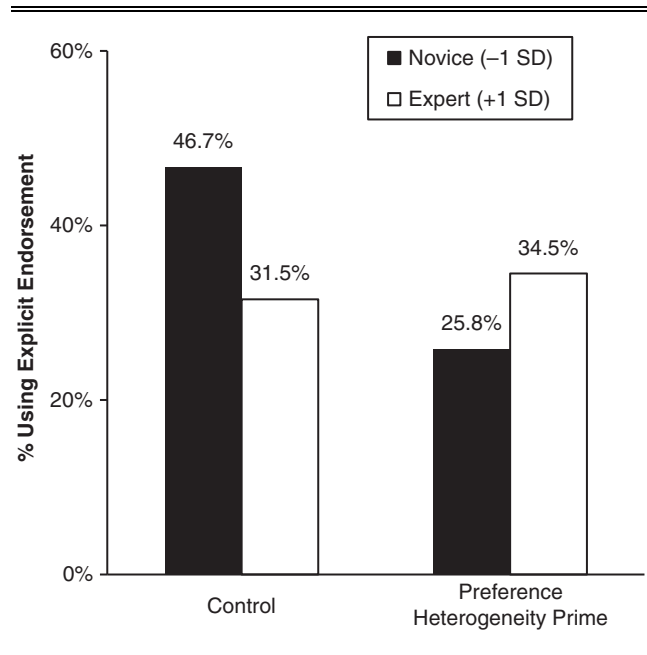
impressing." In the high self-enhancement condition, it was extended to say, "with some people you want to impress." The manipulation was successful (F(2, 601) = 9.77, p < .001),[9] but there were no main effects or interactions due to self-enhancement (Zs < 1.6, ps > .10). The finding that novices (experts) are not more (less) likely to recommend when they are trying to impress others casts doubt on the possibility that self-enhancement drove our effects.

Furthermore, although prior research has not predicted or found that novices are more motivated than experts to self-enhance to compensate for their self-perceived shortcomings (Packard and Wooten 2013), one could speculate that people who believe they are less (vs. more) knowledgeable might be more likely to recommend products to compensate for this belief. However, subjective knowledge did not drive the impact of expertise (objective knowledge) on endorsement style in either condition (bootstrap 95% confidence intervals [CIs]: control = [−.01, .06], preference heterogeneity = [−.01, .05]; Model 7, Preacher and Hayes 2004), failing to support a compensatory self-enhancement explanation.

Second, one might wonder whether experts avoid recommendations because making a bad recommendation would be costly and tarnish their expert status (i.e., protective self-presentation; Arkin 1981). This was not the case. The signaling cost of making a bad recommendation did not

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[9]Using three measures adapted from Fenigstein, Scheier, and Buss (1975; α = .95; see their Appendix for items), participants in the high self-enhancement motive condition were more concerned with making a good impression (M = 3.12) relative to those in the control (M = 2.61; F(1, 601) = 9.80, p < .01) and those who were told that this motivation was absent (M = 2.42; F(1, 601) = 18.16, p < .001).

mediate the effect in either condition (bootstrap 95% CIs: control = [−.01, .02], preference heterogeneity = [−.02, .03]).

Third, we considered the possibility that experts "know what they don't know" (Kruger and Dunning 1999) and thus have lower attitude confidence (or certainty; e.g., Tormala and Petty 2004) leading them to avoid explicit recommendations. However, this was not the case. Confidence did not drive the impact of expertise on endorsement style in either condition (bootstrap 95% CIs: control = [−.01, .06], preference heterogeneity = [−.01, .06]).

Fourth, one could speculate that novices were more likely to use explicit endorsements because they imagined the hotel was better, and this encouraged them to recommend it. However, attitudes toward the hotel did not mediate the relationship between expertise and endorsement style in either condition (bootstrap 95% CIs: control = [−.01, .02], preference heterogeneity = [−.02, .03]), casting doubt on the notion that differential attitudes drove the results.

Finally, one might believe that experts avoid recommendations because they believe that sharing their personal attitudes toward products (i.e., an implicit endorsement) is more helpful. However, altruism did not drive the relationship between expertise and endorsement style in either condition (bootstrap 95% CIs: control = [−.05, .01], preference heterogeneity = [−.002, .05]). Taken together, the results cast doubt on a variety of alternative explanations and instead suggest that novices tend to recommend more than experts because they are not as aware of potential variation in others' preferences.

STUDY 3: HOW EXPLICIT ENDORSEMENTS INFLUENCE PERSUASION

Study 3 begins to address how endorsement styles affect persuasion. Compared with implicit endorsements (and a no-endorsement control), we predict that explicit endorsements will be more persuasive, leading word-of-mouth recipients to believe they will like the product more and increasing their likelihood of choosing it. Furthermore, we predict that this result will be driven by the way endorsement style influences the recipient's perceptions of (1) the source's expertise and (2) the source's attitudes toward the product.

Method

Undergraduate students (N = 143, 35.7% female, mean age = 20.3 years) completed the study for course credit. Participants were randomly assigned to one of three conditions (endorsement style: none, implicit, explicit) in a between-subjects design.

First, we manipulated endorsement style. All participants imagined that a friend just came back from a restaurant and said, "The food and service were very good. Atmosphere was nice too." In the endorsement conditions, we also added different endorsement styles. In the explicit condition the friend said, "I recommend it!" In the implicit endorsement condition, the friend said, "I liked it!"[10] In the no-endorsement control condition, participants only saw the friend's description of the restaurant.

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[10]We also ran an ancillary condition (N = 48) to confirm that the "I liked it" variant of an implicit endorsement was no more or less persuasive than the "I enjoyed it" variant that was the other common implicit endorsement in the field data. The two variations were equally persuasive (F < 1).

Second, we measured persuasion. We captured participants' attitudes toward the restaurant with two items ("How much do you think you would [like, enjoy] the restaurant?" 1 = "not at all," and 7 = "very much"). We also measured choice likelihood ("How likely are you to choose this restaurant in the future?" 1 = "not at all," and 7 = "very"). These measures were highly correlated (α = .80) and averaged to a single measure of persuasion.

Next, we measured the two processes hypothesized to underlie the effect. We measured the participant's perception of the friend's expertise ("How [expert, knowledgeable] do you think the friend is about restaurants?" r = .53) as well as the participant's perception of the friend's attitude toward the restaurant ("How much do you think your friend [liked, enjoyed] the restaurant?" r = .78). Finally, we collected measures to test alternative explanations (discussed subsequently).

Results

Persuasive impact. A one-way analysis of variance reveals a significant effect of endorsement style (F(2, 140) = 44.94, p < .001). As we predicted, compared with implicit endorsement (M = 4.68) or the no-endorsement control (M = 4.47), the explicit endorsement led people to believe they would enjoy the restaurant more and increased the chance they would choose to eat there (M = 5.82; F(1, 140) = 55.62, p < .001; F(1, 140) = 77.76, p < .001).

Perceived expertise. We observed similar effects for perceived expertise (F(2, 140) = 5.97, p < .01). Compared with an implicit endorsement (M = 4.28) or the no-endorsement control (M = 4.39), people thought the friend had greater domain expertise when they provided an explicit endorsement (M = 4.95; F(1, 140) = 10.35, p < .001; F(1, 140) = 7.37, p < .01).

Perceived attitude. We observed a similar pattern for participants' perception of the friend's attitude toward the product (F(2, 140) = 15.52, p < .001). Compared with an implicit endorsement (M = 5.78) or the no-endorsement control (M = 5.27), people thought the friend liked the restaurant more when (s)he explicitly recommended it (M = 6.19; F(1, 140) = 6.14, p = .01; F(1, 140) = 30.92, p < .001).

Mediation. As predicted, bootstrap analysis (Model 4, Preacher and Hayes 2004) confirmed that (1) perceptions of the friend's expertise and (2) perceptions of the friend's attitudes toward the product simultaneously mediated the relationship between endorsement style (explicit vs. implicit) and persuasion (95% CIs: expertise = [.03, .15], attitudes = [.02, .13], 5,000 samples). The friend was perceived as more expert if (s)he used an explicit endorsement (a path; B = .33, SE = .09, p < .001), and perceived expertise, in turn, increased persuasion (b path; B = .23, SE = .07, p < .01). Similarly, participants believed that the friend liked the product more when the friend used an explicit endorsement (a path; B = .21, SE = .08, p < .01), which, in turn, increased persuasion (b path; B = .28, SE = .09, p < .01).

Discussion

Study 3 demonstrates the persuasive impact of explicit endorsements and the process underlying this effect. As we predicted, compared with people who saw implicit endorsements or no endorsement at all, word-of-mouth recipients thought they would like the product more, and were more

willing to choose it, if someone explicitly recommended the product.[11]

This relationship was mediated by perceptions of the endorser's expertise and attitude toward the product. Explicit endorsements made it seem like the endorser liked the product more, which made recipients more likely to choose it and think they would also like it as well. Explicit endorsements also made the endorser seem to have greater product expertise, which increased the persuasive impact of his or her recommendation. Thus, although less knowledgeable consumers are more likely to recommend products (Studies 1 and 2), word-of-mouth recipients think such explicit endorsements indicate that the endorser actually has *greater* expertise.

One might wonder whether the effect is limited to low-involvement consumers given that subtle cues can be more likely to affect their information processing (Chaiken 1980). This was not the case. We measured restaurant category involvement using Zaichkowsky's (1994) ten-item involvement inventory ($\alpha = .93$). The persuasiveness of explicit versus implicit endorsements persisted ($F(1, 140) = 56.33, p < .001$) after we accounted for a significant category involvement covariate ($F(1, 140) = 11.67, p < .001$).

We also examined whether the copresence of an implicit endorsement alongside an explicit endorsement would influence persuasion. While not key to our theory, we included two additional conditions in which both explicit and implicit endorsements were present ("I recommend it and I liked it!" and "I liked it and I recommend it!"). The copresence of both endorsement styles was no more persuasive than the explicit endorsement alone ($Fs < 1$) and had similar effects on perceived expertise and attitudes. As predicted, adding implicit endorsements may not further boost persuasion because they offer nothing more than a summary of the source's personal attitude, which may be already signaled elsewhere in the content. In the "General Discussion" section, we consider when implicit endorsements might be particularly persuasive as an opportunity for future research.

Finally, one might wonder whether experts are less influenced by endorsement style. Using a ten-item restaurant trivia test (e.g., "What does it mean when the words 'prix fixe' appear on a restaurant menu?") as a measure of category knowledge, we observed no category knowledge × endorsement style interaction ($B = .02, SE = .05, t = .38, p > .7$), suggesting that endorsement style had a similar effect on expert and novice recipients. Furthermore, when we asked participants the extent to which (1) people who are very knowledgeable about restaurants and (2) people who are not very knowledgeable about restaurants are likely to say, "I recommend it!" after going to a restaurant they like ($1 =$ "Very unlikely," and $7 =$ "Very likely"), there was no relationship between category knowledge and responses to either of these questions ($B = .03, SE = .07, t = .39, p > .7$; $B = .12, SE = .09, t = 1.33, p > .18$, respectively). This result suggests that while experts may be less likely to use explicit

endorsements, they do not recognize that novices are more likely to use them. Future research might examine why this is the case, but at the very least these data suggest that experts are not consciously aware of the link between knowledge and language use.

STUDY 4: HOW CONSUMER KNOWLEDGE INFLUENCES CHOICE AND ENDORSEMENT STYLE

When considered in coordination with Studies 1 and 2, Study 3's findings highlight a potential paradox. Although experts know more, novices use more explicit recommendations, which are more likely to change recipients' behavior. Consequently, in the absence of other expertise cues, people may end up being more persuaded by novices. Furthermore, if novices also tend to choose products that are inferior (Alba and Hutchinson 1987), having access to word-of-mouth endorsements may sometimes lead recipients to make worse choices.

Studies 4 and 5 provide an initial test of this possibility, examining how the link between consumer knowledge and explicit endorsements influences consumer choice. Using a yoked design, we investigate the product and endorsement style choices that experts and novices tend to make (Study 4) and the impact of their endorsements on word-of-mouth recipients (Study 5). Taken together, these studies test whether consumers might sometimes make worse choices in the presence (vs. absence) of word-of-mouth endorsements.

In Study 4, participants chose between superior and inferior wine (according to a pretest) and decided what to say to others about the wine they chose. We leveraged prior findings that novices use the number of attributes as a cue for product quality, even when those attributes are unfavorable (Alba and Marmorstein 1987). We predict that category novices will both (1) choose the inferior product and (2) tend to explicitly (rather than implicitly) endorse it to others.

Method

Participants from MTurk (N = 264, 55.1% female, mean age = 32.9 years) imagined shopping for wine online. Everyone chose between two wines. Both wines had three matched favorable attributes (e.g., "Very drinkable—balanced flavor and smoothness," "Smooth and flavorful palate, with a very balanced drinkability") that were rated as equivalently positive in a pretest ($M_{superior\ wine} = 5.60$ vs. $M_{inferior\ wine} = 5.58$; $t(56) = .07, p = .95$). To make one wine inferior, we added three unfavorable attributes (e.g., "Bottle contains clay sediment," pretested as unfavorable [$M = 3.32$ vs. scale midpoint of 4; $t(56) = 4.52, p < .001$]; see Appendix E). Pretesting confirmed that this addition made the inferior wine's attributes less favorable overall ($M = 4.45$) compared with the superior wine ($M = 5.60$; $t(56) = 9.14, p < .001$). While experts should pick the superior wine, less knowledgeable consumers use the number of attributes as a heuristic cue for quality (Alba and Marmorstein 1987) and thus should be more likely to pick the inferior wine.

After picking a wine, we asked participants to indicate how likely they were to share their opinion in an online review ($1 =$ "not at all," and $7 =$ "very likely"). Participants then chose what to say to others about their choice. Participants imagined that they had purchased the wine and were pleased with it. Then, we asked them what they would be most likely to write as part of their review: "I enjoyed the

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[11]We also note that the persuasive impact of explicit (vs. implicit) endorsements is not restricted to endorsements from those who are psychologically close (i.e., friends; Gershoff and Johar 2006). We ran a version of Study 3 in which the endorsement came from "a person you just met" and found the same results (see the Web Appendix).

[chosen product name]!" or "I recommend the [chosen product name]!" (counterbalanced). Our results fully replicate even when participants were not told that they were pleased with the wine and were given the option of writing a negative review or no review in addition to a positive review (see the Web Appendix). Finally, participants completed a pretested ten-item wine category knowledge test (e.g., "What is the common term used to describe a wine that is the opposite of 'sweet'?" (correct answer = dry; M = 3.88 questions correct, SD = 1.95).

Results

Wine choice. Consistent with the pretest indicating that it was inferior, overall, fewer people picked the inferior wine (M = 41.1%). More importantly, as we predicted, category knowledge was negatively related to choice (B = −.21, Z = 2.97, $p < .01$). Compared with experts (+1 SD on the wine test, M = 30.7%), novices (−1 SD, M = 47.5%) were more likely to pick the inferior wine.

Endorsement choice. There was also a negative relationship between category knowledge and explicit (vs. implicit) endorsement (B = −.14, Z = 2.21, $p < .05$). Consistent with Studies 1 and 2, compared with experts (+1 SD, M = 44.9%), novices were more likely to explicitly recommend their choice to others (−1 SD, M = 58.0%). Combining choice and endorsement, 60% of people who chose the inferior wine recommended it (40% said they liked it), while only 45% of people who chose the superior wine recommended it (55% said they liked it).

Replication (Study 4a). To account for the handful of copresent endorsements in the field data and to allow a no-endorsement response option, we ran a version of Study 4 that included "both" and "neither" as endorsement options (N = 214, 60.1% female, mean age = 32.5 years). Results were the same. Category knowledge was negatively related to inferior wine choice (B = −.25, Z = 3.31, $p < .01$), with novices (−1 SD, M = 55.3%) more likely to pick the inferior wine than experts (+1 SD, M = 30.3%). Category knowledge was also negatively related to endorsement style (B = −.13, Z = 1.98, $p < .05$), with novices more likely to use endorsements that included an explicit recommendation (M = 60.9%) than experts (M = 47.3%).

Discussion

Studies 4 and 4a demonstrate the relationship between category expertise, choice, and explicit endorsement. Not only did novices tend to pick the inferior wine, but consistent with Studies 1 and 2, they were more likely to explicitly recommend their choice to others.

Alternative explanations based on category involvement do not adequately explain the results. One might argue that category involvement's impact on attribute processing style (Petty, Cacioppo, and Schumann 1983) could extend to endorsement style. That is, the way people think about a product may influence how they express their approval of it to others. To test this possibility, at the end of the study we measured wine category involvement using Zaichkowsky's (1994) ten-item involvement inventory (α = .96). The predicted relationship between category knowledge and endorsement style remained significant (B = −.22, Z = 3.13, $p < .01$) even after we controlled for involvement (B = .36,

Z = 3.67, $p < .01$). This casts doubt on the possibility that involvement drives the effects.

Explanations based on different attitudes also fail to explain the effect. Similar to the alternative discussed in Study 2, one could argue that novices were more likely to recommend the chosen wine because they liked it more. However, this was not the case. There was no relationship between expertise and the same three-item measure of attitude toward the chosen wine used in Study 2 (α = .93; B = −.01, t = −.43, $p > .65$).

Finally, there was no relationship between category knowledge and intention to write the review (B = −.03, t = −1.20, $p = .23$). Moreover, neither the wine chosen (B = .5, t = 1.36, $p = .17$) nor an interaction of category knowledge and choice affected review intentions (B = −.03, t = −.31, $p = .75$). Regardless of whether they chose the inferior wine, novices were no less willing than experts to share their product endorsement with others.

STUDY 5: CONSEQUENCES FOR WORD-OF-MOUTH RECIPIENTS

Study 5 examines how the relationship between the sender's category knowledge, product choice, and endorsement style influences the choices of word-of-mouth recipients. Participants were given the wine information from Study 4 and asked which wine they preferred. In addition, half the participants were given access to word-of-mouth information before making their choice. Consumer opinions online are often aggregated and presented alongside the product (e.g., the star ratings for all reviews of a hotel on TripAdvisor, a book on Amazon). To mimic this situation, participants in the word-of-mouth condition were shown the aggregate distribution of endorsement choices made by Study 4 participants. For example, for the inferior wine they were told that 60% recommended it and 40% liked it. Because novices in Study 4 both chose the inferior product and tended to explicitly recommend what they chose, we predict that the addition of word-of-mouth information will lead people to make inferior choices.

Method

Participants (N = 407, 58.7% female, mean age = 33.4 years) from the same population as Study 4 were randomly assigned to one of two between-subjects conditions (attributes only vs. attributes + word of mouth). Participants were given the same wine choice scenario from Study 4. The only difference between conditions was that word-of-mouth condition participants also saw the aggregate endorsements chosen by Study 4 participants (see dashed-line box in Figure 2). The order of presentation for the aggregate endorsements was counterbalanced.

Results

As predicted, word-of-mouth information led participants to make inferior choices. Compared with the attributes-only condition (41.6%), seeing word-of-mouth information led more people to choose the inferior wine (55.3%; $\chi^2(1) = 4.08$, $p < .05$).

Replications

Two additional versions of Study 5 show the same results. Study 5a (N = 400, 61.0% female, mean age = 34.7 years)

Figure 2
STUDY 5 STIMULI

2009 Palazzo Vilani
Italian Merlot

- Medium-bodied, palate of herbal notes and fruit.
- Very drinkable—balanced flavor and smoothness.
- A versatile vintage. Pairs well with many foods.
- $21.99

2009 Castillo Quermieni
Italian Merlot

- Hints of fruit and herbs with a medium body.
- Smooth and flavorful palate, with a very balanced drinkability.
- Pair it liberally-- a wine that accommodates varied meals.
- Re-fermented with dormant yeast.
- Bottle contains clay sediment from the Querminel vineyard.
- Infused with sulfides for a distinctive nose.
- $21.99

Consumer opinions

We asked people who chose this wine to tell us whether they would (1) "recommend it" OR (2) tell people they "liked it." Here's what they said:

45% said "I recommend it."
55% said "I liked it."

Consumer opinions

We asked people who chose this wine to tell us whether they would (1) "recommend it" OR (2) tell people they "liked it." Here's what they said:

60% said "I recommend it."
40% said "I liked it."

Notes: Content in the dashed-line box was added in the word-of-mouth condition.

presented participants from MTurk with the aggregate distribution of the four endorsement options selected by participants from Study 4a (see Appendix E). Word-of-mouth information (in this case, across four response options rather than two) again led more people to choose the inferior wine ($M_{word of mouth}$ = 66.1% vs. $M_{attributes only}$ = 41.9%; $\chi^2(1)$ = 23.36, $p < .001$).

Study 5b (participants from MTurk; N = 396, 58.0% female, mean age = 34.1 years) used a complex matching procedure to present each participant with a single endorsement for each of the two wines using the precise distribution across the four choices made by participants in Study 4a. That is, rather than seeing the aggregate percentage of people who recommended, enjoyed, and did "both" or neither for each wine (as in Study 5a), participants in the word-of-mouth condition saw a single word-of-mouth statement (e.g., "I enjoyed [wine name]!" or "I neither enjoyed nor recommend [wine name]!" ["none" condition]) as a quote from a reviewer below each of the two wines (see Appendix F). Each participant saw one of 15 potential endorsement combinations, the distribution of which was carefully weighted to match the population-level distribution

of endorsement choices made in Study 4a. The word-of-mouth condition again led more people to choose the inferior wine ($M_{word of mouth}$ = 53.7% vs. $M_{attributes only}$ = 41.9%; $\chi^2(1)$ = 5.46, $p < .02$).

Discussion

Taken together, Studies 4 and 5 and their replicates demonstrate how the link between consumer knowledge and endorsement style can shape recipients' choices. Because they lack domain knowledge, novices both chose inferior options and explicitly endorsed their choice to others. In this instance, the combination meant that access to word-of-mouth information led recipients to make worse choices than they would have made otherwise. People were more likely to choose a wine containing dirt and added sulfites that would produce a rotten egg smell.

One might wonder whether these effects were driven by the fact that we told Study 4 participants they had a positive experience with the wine. If they had actually tasted the wine, should they not have been able to tell that the inferior wine was bad and, thus, not endorse it? Although this might happen with truly terrible products, it is less likely to be the case if the wine was merely mediocre or inferior. Furthermore, expectations color judgment (e.g., Lee, Frederick, and Ariely 2006), and choice increases liking (Bem 1967), suggesting that actual experience may not be that influential in this case. We ran a replicate of Study 4 without telling participants that they had a positive experience, and the results fully replicated (see the Web Appendix). Regardless, more research is needed to definitively establish whether and when endorsement style could have a negative impact on consumer choices.

Potential processing style differences also have trouble explaining the results. Because category knowledge and involvement are positively correlated (Sujan 1985), higher-knowledge consumers could process word-of-mouth information more systematically (Petty, Cacioppo, and Schumann 1983), making them more persuaded by subtle variations in endorsement styles. There was no relationship, however, between category involvement (Zaichkowsky [1994] involvement scale; α = .95) and choice (B = .07, Z = .98, p = .33). Furthermore, while knowledgeable consumers were marginally less likely than novices to pick the inferior wine overall (B = −.12, Z = 1.77, p = .07), there was no consumer knowledge × word-of-mouth condition interaction (B = −.02, Z = .21, p = .84). This suggests that the addition of word of mouth had a similar effect (i.e., worse choices) on both experts and novices.

GENERAL DISCUSSION

Consumers use word of mouth more than ever (Simonson and Rosen 2014) and are more influenced by this information source than any other (WOMMA 2014). While it is clear that word of mouth has a huge influence on attitudes and behavior, less is known about the language used to endorse products (i.e., the endorsement styles people tend to use), the types of people who use different endorsement styles, and the consequences these factors have on consumer behavior.

The present research begins to fill these gaps. First, the studies demonstrate that not all endorsements are the same

and that different endorsement styles have different effects. Compared with implicit endorsements, in which people say they personally liked or enjoyed a product or service, explicit endorsements, in which people directly recommend something to others, are more persuasive. People who hear explicit recommendations think they will like the product more (Study 3) and are more willing to choose it (Studies 3, 5, 5a, and 5b).

Second, the studies illustrate that different types of consumers use different endorsement styles. Less knowledgeable consumers are more likely to use explicit recommendations (Studies 1, 2, 4, and 4a) because they are less aware of preference heterogeneity (Study 2). Less experienced book buyers, for example, are more likely to explicitly recommend books to others.

Third, the results show that endorsement styles can shape perceptions of word-of-mouth senders. Explicit endorsements caused people to think not only that the sender liked the product more but also that (s)he had more category expertise (Study 3). Consequently, particularly when other expertise cues are absent, word-of-mouth recipients may end up being more persuaded by less knowledgeable people. Studies 4 and 5 suggest that this could sometimes lead people to make worse choices than they would have in the absence of word-of-mouth information.

These effects persisted across different categories, contexts, and presentation modes, attesting to their generalizability. The results hold for products such as books (Study 1) and wine (Studies 4 and 5) as well as service goods such as hotels (Study 2) and restaurants (Study 3). They hold whether the word-of-mouth endorsement was shared by a friend (Study 3) or a stranger (Studies 1 and 5), whether the study was conducted in the field (Study 1) or in controlled experimental contexts (Studies 2–5), whether people read aggregate or single-reviewer endorsements, and whether implicit and explicit endorsements were separated or co-occurred in the same review (Studies 3, 5a, and 5b).

Theoretical Contributions

This research makes several contributions. First, it demonstrates the importance of *how* consumers express their positive attitudes. Although researchers often use the word "recommendation" as a generic synonym for positive word of mouth, we show that the specific language used to endorse a product can have significant consequences. "I liked the product" and "I recommend the product" may seem similar—just a happenstance variation in turns of phrase—but their differences have an important impact on word-of-mouth recipients. As such, we add to a small, but growing, literature on the impact of language use in consumer settings (e.g., Moore 2012, 2015; Sela, Wheeler, and Sarial-Abi 2012).

Second, we contribute to the literature on source credibility cues. Much research has considered how overt signals (e.g., titles, credentials; Karmaker and Tormala 2010; Pornpitakpan 2004) shape perceived expertise. Relatively little work, however, has examined how language use affects these perceptions (for an exception, see Oppenheimer 2005). The present research demonstrates that the words people use to assert their product approval affects perceived source expertise.

Third, this work offers insight into a social facet of consumer knowledge. Consumer knowledge research has been focused on the consumer's own search, information processing, and decision making (e.g., Alba and Hutchinson 1987; Burson 2007; Moorman et al. 2004). Social phenomena are not even mentioned in a popular consumer knowledge typology (Brucks 1986). We propose and demonstrate, however, that when it comes to sharing word-of-mouth information, a consumer's comprehension of the nature of others' preferences is linked to his or her own category knowledge; furthermore, we reveal a meaningful consequence of this social aspect of consumer knowledge.

Implications

These results may have important implications for consumer welfare. Studies 4 and 5 suggest that endorsement styles could sometimes lead people to choose inferior products. To mitigate this, consumers would be wise to treat explicit recommendations as a cue to scrutinize sender expertise more carefully (Priester and Petty 1995) or look for other expertise indicators (e.g., helpfulness ratings, credentials).

We note that while novices generally have been found to be worse decision makers than experts (Alba and Hutchinson 1987), we are not suggesting that less knowledgeable consumers always make inferior choices, or that their tendency to use explicit recommendations will always lead others astray. Studies 4 and 5 (and their replications) used a situation in which the inferior product was objectively inferior for anyone, but in cases in which experts and novices have different preferences, the negative impact of novices' explicit recommendations may be lessened. Even in situations in which expertise cues are unavailable, quality is not always objective, and in these instances, novices' greater use of explicit endorsements may just lead recipients to choose novices' preferred options, even if they are not objectively worse.

The studies also used product categories in which postpurchase experience (e.g., taste) is somewhat fungible (Ariely, Loewenstein, and Prelec 2006; Goldstein, Cialdini, and Griskevicius 2008). However, if novices had instead chosen a functional good that clearly failed (e.g., a crashed computer hard drive), they obviously would not share a positive endorsement in the first place. In this sense, the potentially aversive "paradox" of consumer knowledge and endorsement styles seems more likely to occur for experiential than functional goods.

Our findings also offer implications for marketers. Websites often provide average star or number ratings, but using rating scale labels such as "highly recommended" should boost purchase of those products. If Facebook wanted "likes" to have more persuasive impact, it could instead display the number of people who "recommended" that thing. That said, if experts are more likely to avoid rating or clicking buttons that use the word "recommend," such changes may not be in the marketer's—or the consumer's—best interests. Instead, to maximize consumer welfare, websites could encourage reviewers to think about different people's preferences, which might reduce novices' use of explicit endorsements. Encouraging reviewers to specify the kind of people they think will like the product may be one way to bring preference variation to mind (e.g.,

"I recommend this wine for anyone who loves bold, spicy reds").

Directions for Further Research

We examined an important cause and consequence of consumer language use, but these findings raise important questions for further research. First, future studies should investigate other factors driving endorsement styles. Interaction mode or audience size, for example, might influence whether people explicitly or implicitly endorse something. In face-to-face interactions, word-of-mouth recipients should be more salient to the sender, which may make them more concerned with the recipient's own preferences (Berger 2014). Similarly, compared with broadcasting (i.e., sharing with many people), narrowcasting (i.e., sharing with just one person) heightens other-focus and encourages people to attend to others' preferences (Barasch and Berger 2014). In either case, attention to others may make people more aware of preference heterogeneity, reducing explicit endorsement. Linguistic mimicry (e.g., Moore and McFerran 2017) may also play a role. When someone asks for a recommendation, senders may be more likely to mimic and explicitly endorse in response.

Motivational factors should also affect explicit endorsement. Take financial self-interest. People may assume that someone who frequently recommends is being paid to do so (Verlegh et al. 2013), which may discourage frequent explicit endorsement. Emotion regulation may also play a role. Expressing positive emotion ("I really liked it!") might help a consumer who just returned from a great ski trip make sense of the experience (Rimé 2009), making implicit endorsement more likely while the trip is still vivid. Whether "negative endorsement" follows the same pattern may depend on whether the consumer is seeking emotional relief (Zech 1999) or wants to punish the company (Hennig-Thurau et al. 2004). An assertion of the consumer's personal experience ("I did not like it")—a negative implicit endorsement—seems more likely to offer emotional catharsis, whereas a focus on the product's utility for others ("I do not recommend it")— a negative explicit endorsement—may be more likely to occur when someone wants to punish the company.

More broadly, it would be useful to explore other variations in endorsement language. Our studies focused on explicit and implicit endorsements, but the text surrounding an endorsement may color its impact. One could imagine explicit endorsements surrounded by hedge words that make them less persuasive (e.g., "I guess I kind of recommend it") and implicit endorsements surrounded by adverbs that make them more persuasive ("I really, really, really like it"). Similarly, it would be worthwhile to examine conditional recommendations (e.g., "I recommend this book for those who love a good romance"). Endorsements made with a specific audience in mind suggest that the sender is considering their preferences and has a nuanced sense of what people do and do not like.

Future research could also take the recipient's perspective. "I like" endorsements may be particularly persuasive when recipients think that they and the endorser have similar tastes (Gershoff, Mukherjee, and Mukhopadhyay 2003; Naylor, Lamberton, and Norton 2011), such as in online communities of shared interests (Manchanda, Packard, and Pattabhiramaiah 2013). Alternatively, abstract language when describing a product experience may suggest that the endorser is considering global, general preferences while more concrete language could suggest that the endorser cannot see beyond his or her personal tastes (Schellekens, Verlegh, and Smidts 2010). If true, abstract (concrete) language by word-of-mouth senders should enhance (impede) the persuasive power of explicit endorsements. Elaboration level may also moderate endorsement style's impact given that low-involvement people (e.g., noncustomers) are less likely to be affected by subtle language variations (Sela, Wheeler, and Sarial-Abi 2012). Finally, understanding how word-of-mouth language (e.g., endorsement style) and other source cues (e.g., credentials, titles) interact to shape perceived credibility is a rich path for further investigation. Although explicit source cues (e.g., an Amazon "trusted reviewer" badge) may tend to dominate subtle language cues, recipients may turn to reviewer language to determine whether the knowledge received is diagnostic to their personal needs. In this case, a subtler linguistic cue of irrelevant expertise such as reviewer boasting (Packard, Gershoff, and Wooten 2016) may dominate the explicit cue.

Although we did not find that implicit endorsements increased persuasion (Study 3), the arguments a person makes while endorsing a product could moderate this result. Reviews containing both pros and cons can impede persuasion (i.e., Schlosser 2011), for example, but we speculate that by signaling the source's overall attitude, adding an implicit endorsement (e.g., "I like it") reduces ambiguity about the source's overall attitude, bolstering the review's persuasive power.

It would also be useful to investigate whether and when category expertise influences the processing of source cues. To the extent that experts are more involved with a category, it seems plausible that they might also be less likely to be affected by heuristic cues of source expertise (Chaiken 1980). Ancillary analyses on expertise and category involvement in Studies 3 and 5, however, did not support this speculation. One possibility is that both expert and novice recipients egocentrically assume that the source shares their tastes (Naylor, Lamberton, and Norton 2011), making them equally persuaded by explicit recommendations. Another possibility is that experts assume that, like themselves, other word-of-mouth senders also account for preference heterogeneity when endorsing products. Future research should investigate these possibilities.

More broadly, although there is a well-established link between category knowledge and product information processing (e.g., Mehta, Hoegg, and Chakravarti 2011; Park and Lessig 1981), the question of whether and when category knowledge influences consumers' use of source information has received little attention (Pornpitakpan 2004, p. 269). For example, although we know that experts attempt to assert their knowledge through product comparisons in online reviews (Mackiewicz 2010), it is not clear whether recipients use the presence of product comparisons to infer the reviewer's expertise. This social facet of category expertise, and consumer knowledge as a driver or moderator of social perceptions, deserves more attention.

In conclusion, the current research demonstrates that the way people endorse products has important causes and consequences. This article deepens understanding around word of mouth and sheds light on language use and its influence on consumer behavior more broadly.

Appendix A
DISTRIBUTION AND MEANS OF BOOK STAR RATINGS BY EXPERIENCE QUARTILE (STUDY 1)

Experience	Cutoff (Books)	Star Rating Distribution					Star Rating Mean
		1	2	3	4	5	
Top quartile ("high experience")	31	1.2%	1.9%	11.2%	34.9%	50.8%	4.32
Third quartile	12	1.0%	2.7%	15.4%	34.2%	46.6%	4.23
Second quartile	4	1.8%	3.9%	15.3%	26.7%	52.3%	4.24
Bottom quartile ("low experience")	0	2.2%	2.6%	11.5%	31.7%	51.9%	4.29

Appendix B
STUDY 2 STIMULI
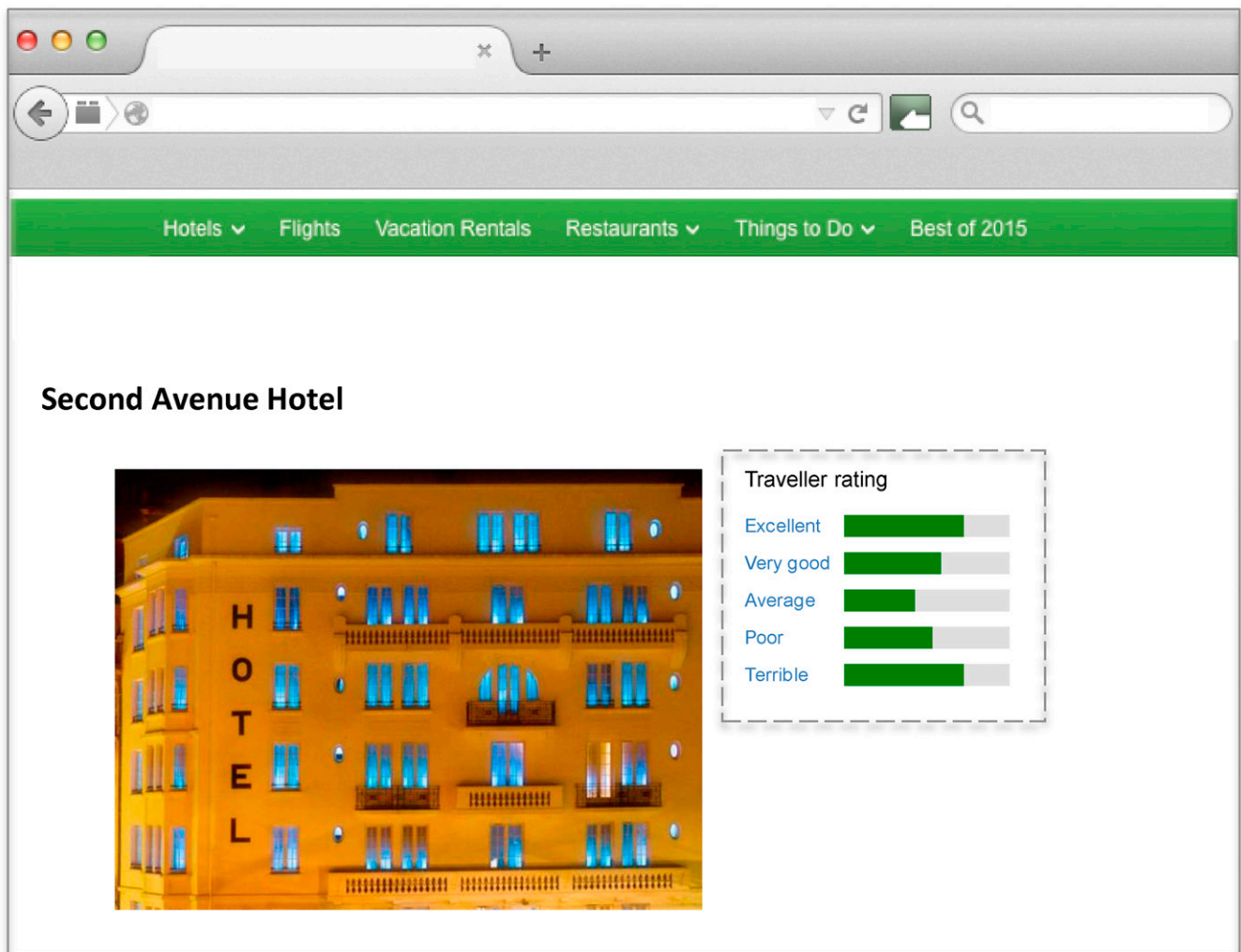
Notes: Content in the dashed-line box was added in the preference heterogeneity condition.

APPENDIX C: ANCILLARY AND ALTERNATIVE MEASURES FROM STUDY 2

Preference Heterogeneity (1 = "strongly disagree," and 7 = "strongly agree"; α = .91)

1. People look for different things when it comes to this kind of hotel.
2. Most people want the same things from this kind of hotel. (reverse item)
3. People can generally agree on what makes this kind of hotel good or bad. (reverse item)

Situated Self-Enhancement Motive (1 = "strongly disagree," and 7 = "strongly agree"; α = .95; adapted from Fenigstein, Scheier, and Buss [1975])

1. I was concerned about the way I present myself.
2. I was worried about making a good impression.
3. I was concerned about what other people think of me.

Subjective Category Knowledge (1 = "strongly disagree," and 7 = "strongly agree"; r = .69)

1. I am an expert about hotels.
2. I'm knowledgeable about hotels.

Signaling Cost of Making a Bad Recommendation (1 = "not at all," and 7 = "very much"; α = .88)

1. How much would you have to lose if you approved of a bad hotel?
2. How costly would it be to your sense of self if people disagreed with your assessment of the hotel?
3. How embarrassed would you feel if other people didn't like the hotel that you did?

Attitude Toward the Hotel (bipolar seven-point scales; α = .96)

1. bad/good
2. unappealing/appealing
3. unfavorable/favorable

Hotel Category Attitude Confidence (1 = "strongly disagree," and 7 = "strongly agree"; r = .88)

1. I am confident in my opinions about hotels.
2. I'm certain about my opinions on hotels.

Altruistic Motives (1 = "strongly disagree," and 7 = "strongly agree"; α = .86)

1. I was motivated by a desire to help people.
2. I wanted to assist others who may be choosing a hotel.
3. I was concerned about being useful to other people.

APPENDIX D: SAMPLE CATEGORY KNOWLEDGE TEST SAMPLE ITEMS FROM STUDIES 2–4

Appendix D presents two examples from each of the three ten-item category knowledge tests used in Study 2 (hotel), Study 3 (restaurant), and Study 4 (wine). Response options order was randomized. The remaining items from each of the three tests are available from the authors on request.

Study 2: Hotels

Please sort the hotel brands below by their average room prices (as of 2013), where #1 is the highest average price hotel brand, and #4 is the lowest average price hotel brand. [Correct order shown.]

1. Hilton
2. Sheraton
3. Holiday Inn
4. Days Inn

What is the word used to describe a hotel room that contains a separate living area from the bedroom?

_____ [Correct answer: suite, executive suite]

Study 3: Restaurants

Which of the following restaurants does not offer table service?

- Chipotle Mexican Grill [correct answer]
- Swiss Chalet
- Boston Market
- Pizza Hut

At finer restaurants, the waiter or waitress is usually taught to serve the food...

- ...from the left side of the person dining. [correct answer]
- ...from the right side of the person dining.
- ...from directly behind the person dining.
- ...from the most easily accessible side of the person dining.

Study 4: Wine

Which of the following best describes Beaujolais wine?

- Light-bodied red wine [correct answer]
- Bold red wine
- Sweet fortified wine
- Dry white wine

Which of the following is not one of the 25 most popular wine brands in North America as of 2013?

- Mazzocco [correct answer]
- Robert Mondavi
- Gallo
- Lindeman

Appendix E
STUDY 5A STIMULI

2009 Palazzo Vilani
Italian Merlot

- Medium-bodied, palate of herbal notes and fruit.
- Very drinkable—balanced flavor and smoothness.
- A versatile vintage. Pairs well with many foods.
- $21.99

2009 Castillo Quermieni
Italian Merlot

- Hints of fruit and herbs with a medium body.
- Smooth and flavorful palate, with a very balanced drinkability.
- Pair it liberally-- a wine that accommodates varied meals.
- Re-fermented with dormant yeast.
- Bottle contains clay sediment from the Querminel vineyard.
- Infused with sulfides for a distinctive nose.
- $21.99

Customer opinions

We asked people who chose this wine to tell us whether they would "**recommend** it" and/or say they "**enjoyed** it." Here's what they said:

19% said "I recommend it"
44% said "I enjoyed it"
31% said "Both"
6% said "Neither"

Customer opinions

We asked people who chose this wine to tell us whether they would "**recommend** it" and/or say they "**enjoyed** it." Here's what they said:

23% said "I recommend it"
37% said "I enjoyed it"
37% said "Both"
3% said "Neither"

Notes: The Study 5a stimuli present the actual endorsement choice distribution from Study 4a. Content in the dashed-line box was added in the word-of-mouth condition.

Appendix F
STUDY 5B STIMULI

2009 Palazzo Vilani
Italian Merlot

- Medium-bodied, palate of herbal notes and fruit.
- Very drinkable—balanced flavor and smoothness.
- A versatile vintage. Pairs well with many foods.
- $21.99

2009 Castillo Quermieni
Italian Merlot

- Hints of fruit and herbs with a medium body.
- Smooth and flavorful palate, with a very balanced drinkability.
- Pair it liberally-- a wine that accommodates varied meals.
- Re-fermented with dormant yeast.
- Bottle contains clay sediment from the Querminel vineyard.
- Infused with sulfides for a distinctive nose.
- $21.99

Customer opinions

Most recent review:

"I enjoyed the Palazzo Vilani!"
By Sam_TZ

Customer opinions

Most recent review:

"I recommend the Castillo Quermieni!"
By Chris034

Notes: The Study 5b stimuli present the actual endorsement choice distribution from Study 4a. Content in the dashed-line box shown is one of 15 versions of the stimuli presented in the word-of-mouth condition using a distribution carefully matched to Study 4a.

REFERENCES

Alba, Joseph W., and J. Wesley Hutchinson (1987), "Dimensions of Consumer Expertise," *Journal of Consumer Research*, 13 (4), 411–54.

Alba, Joseph W., and Howard Marmorstein (1987), "The Effects of Frequency Knowledge on Consumer Decision Making," *Journal of Consumer Research*, 14 (1), 14–25.

Ariely, Dan, and Jonathan Levav (2000), "Sequential Choice in Group Settings: Taking the Road Less Traveled and Less Enjoyed," *Journal of Consumer Research*, 27 (3), 279–90.

Ariely, Dan, George Loewenstein, and Drazen Prelec (2006), "Tom Sawyer and the Construction of Value," *Journal of Economic Behavior & Organization*, 60, 1–10.

Ariely, Dan, John G. Lynch Jr., and Manual Aparicio IV (2004), "Learning by Collaborative and Individual-Based Recommendation Agents," *Journal of Consumer Psychology*, 14 (1/2), 81–94.

Arkin, Robert (1981), "Self-Presentation Styles," in *Impression Management and Social Psychological Research*, J.T. Tedeschi, ed. New York: Academic Press, 311–34.

Babić Rosario, Ana, Francesca Sotgiu, Kristine de Valck, and Tammo H.A. Bijmolt (2016), "The Effect of Electronic Word of Mouth on Sales: A Meta-Analytic Review of Platform, Product, and Metric Factors," *Journal of Marketing Research*, 53 (April), 297–318.

Barasch, Alixandra, and Jonah Berger (2014), "Broadcasting and Narrowcasting: How Audience Size Impacts What People Share," *Journal of Marketing Research*, 51 (June), 286–99.

Bem, Daryl J. (1967), "Self-Perception: An Alternative Interpretation of Cognitive Dissonance Phenomena," *Psychological Review*, 74 (3), 183–200.

Berger, Jonah (2014), "Word of Mouth and Interpersonal Communication: A Review and Directions for Future Research," *Journal of Consumer Psychology*, 24 (4), 586–607.

Berger, Jonah (2015), "Word of Mouth and Interpersonal Communication," in *The Cambridge Handbook of Consumer Psychology*, M.I. Norton, D.D. Rucker, and C. Lamberton, eds. Cambridge, UK: University of Cambridge Press, 368–97.

Berger, Jonah, and Katherine L. Milkman (2012), "What Makes Online Content Viral?" *Journal of Marketing Research*, 49 (April), 192–205.

Brown, Jacqueline J., and Peter H. Reingen (1987), "Social Ties and Word-of-Mouth Referral Behavior," *Journal of Consumer Research*, 14 (3), 350–62.

Brucks, Merrie (1986), "A Typology of Consumer Knowledge Content," in *Advances in Consumer Research*, Vol. 13, Richard J. Lutz, eds. Provo, UT: Association for Consumer Research, 58–63.

Burson, Katherine A. (2007), "Consumer-Product Skill Matching: The Effects of Difficulty on Relative Self-Assessment and Choice," *Journal of Consumer Research*, 34 (1), 104–10.

Chaiken, Shelly (1980), "Heuristic Versus Systematic Information Processing and the Use of Source Versus Message Cues in Persuasion," *Journal of Personality and Social Psychology*, 39 (5), 752–66.

Chaiken, Shelly, Akiva Liberman, and Alice H. Eagly (1989), "Heuristic and Systematic Information Processing Within and Beyond the Persuasion Context," in *Unintended Thought*, J.S. Uleman and J.A. Bargh, eds. New York: Guilford Press, 212–52.

Cheema, Amar, and Andrew M. Kaikati (2010), "The Effect of Need for Uniqueness on Word of Mouth," *Journal of Marketing Research*, 47 (May), 553–63.

Chen, Zoey, and Nicholas H. Lurie (2013), "Temporal Contiguity and Negativity Bias in the Impact of Online Word of Mouth," *Journal of Marketing Research*, 50 (August), 463–76.

Chevalier, Judith, and Dina Mayzlin (2006), "The Effect of Word of Mouth on Sales: Online Book Reviews," *Journal of Marketing Research*, 43 (August), 345–54.

De Angelis, Matteo, Andrea Bonezzi, Alessandro M. Peluso, Derek D. Rucker, and Michele Costabile (2012), "On Braggarts and Gossips: A Self-Enhancement Account of Word-of-Mouth Generation and Transmission," *Journal of Marketing Research*, 49 (August), 551–63.

Delleart, Benedict G.C., and Gerald Haubl (2012), "Searching in Choice Mode: Consumer Decision Processes in Product Search with Recommendations," *Journal of Marketing Research*, 49 (April), 277–88.

Dichter, Ernest (1966), "How Word-of-Mouth Advertising Works," *Harvard Business Review*, 44 (6), 147–66.

Duhan, Dale F., Scott D. Johnson, James B. Wilcox, and Gilbert D. Harrell (1997), "Influence on Consumer Use of Word-of-Mouth Recommendation Sources," *Journal of the Academy of Marketing Science*, 25 (4), 283–94.

Feick, Lawrence, and Robin A. Higie (1992), "The Effects of Preference Heterogeneity and Source Characteristics on Ad Processing and Judgments About Endorsers," *Journal of Advertising*, 21 (2), 9–24.

Fenigstein, Allan, Michael F. Scheier, and Arnold H. Buss (1975), "Public and Private Self-Consciousness: Assessment and Theory," *Journal of Consulting and Clinical Psychology*, 43 (4), 522–27.

Fitzsimons, Gavan, and Donald Lehmann (2004), "Reactance to Recommendations: When Unsolicited Advice Yields Contrary Responses," *Marketing Science*, 23 (1), 82–94.

Gershoff, Andrew D., Susan M. Broniarczyk, and Patricia M. West (2001), "Recommendation or Evaluation? Task Sensitivity in Information Source Selection," *Journal of Consumer Research*, 28 (3), 418–38.

Gershoff, Andrew D., and Gita V. Johar (2006), "Do You Know Me? Consumer Calibration of Friends' Knowledge," *Journal of Consumer Research*, 32 (4), 496–503.

Gershoff, Andrew D., Ashesh Mukherjee, and Anirban Mukhopadhyay (2003), "Consumer Acceptance of Online Agent Advice: Extremity and Positivity Effects," *Journal of Consumer Psychology*, 13 (1/2), 161–70.

Ghose, Anindya, and Panagiotis G. Ipeirotis (2011), "Estimating the Helpfulness and Economic Impact of Product Reviews: Mining Text and Reviewer Characteristics," *IEEE Transactions on Knowledge and Data Engineering*, 23 (10), 1498–512.

Goldstein, Noah J., Robert B. Cialdini, and Vladas Griskevicius (2008), "A Room with a Viewpoint: Using Social Norms to Motivate Environmental Conservation in Hotels," *Journal of Consumer Research*, 35 (3), 472–82.

He, Stephen X., and Samuel D. Bond (2015), "Why Is the Crowd Divided? Attribution for Dispersion in Online Word of Mouth," *Journal of Consumer Research*, 41 (6), 1509–27.

Hennig-Thurau, Thorsten, Kevin P. Gwinner, Gianfranco Walsh, and Dwayne D. Gremler (2004), "Electronic Word-of-Mouth via Consumer-Opinion Platforms: What Motivates Consumers to Articulate Themselves on the Internet?" *Journal of Interactive Marketing*, 18 (1), 38–52.

Ho-Dac, Nga N., Stephen J. Carson, and William L. Moore (2014), "The Effects of Positive and Negative Online Customer Reviews: Do Brand Strength and Category Maturity Matter?" *Journal of Marketing*, 77 (November), 37–53.

Hosman, Lawrence A. (2002), "Language and Persuasion," in *The Persuasion Handbook: Developments in Theory and Practice*, J. P. Dillard and M. Pfau, eds. Thousand Oaks, CA: Sage Publications, 371–90.

Humphreys, Ashlee, and Rebecca Jen-Hui Wang (2017), "Automated Text Analysis for Consumer Research," *Journal of Consumer Research*, forthcoming.

Iyengar, Raghuram, Christophe Van den Bulte, and Thomas W. Valente (2011), "Opinion Leadership and Social Contagion in New Product Diffusion," *Marketing Science*, 30 (2), 195–212.

Karmaker, Uma. R, and Zakary L. Tormala (2010), "Believe Me, I Have No Idea What I'm Talking About: The Effects of Source Certainty on Consumer Involvement and Persuasion," *Journal of Consumer Research*, 36 (6), 1033–49.

Kronrod, Ann, and Shai Danziger (2013), "'Wii Will Rock You!' The Use and Effect of Figurative Language in Consumer Reviews on Hedonic and Utilitarian Consumption," *Journal of Consumer Research*, 40 (4), 726–39.

Kruger, Justin, and David Dunning (1999), "Unskilled and Unaware of It: How Difficulties in Recognizing One's Own Incompetence Lead to Inflated Self-Assessments," *Journal of Personality and Social Psychology*, 77 (6), 1121–34.

Lee, Leonard, Shane Frederick, and Dan Ariely (2006), "Try It, You'll Like It: The Influence of Expectation, Consumption, and Revelation on Preferences for Beer," *Psychological Science*, 17 (12), 1054–58.

Lin, Tom M.Y., and Cheng-His Fang (2006), "The Effects of Perceived Risk on the Word-of-Mouth Communication Dyad," *Social Behavior and Personality*, 34 (10), 1207–16.

Liu, Yong (2006), "Word of Mouth for Movies: Its Dynamics and Impact on Box Office Revenue," *Journal of Marketing*, 70 (July), 74–89.

Mackiewicz, Jo (2010), "Assertions of Expertise in Online Product Reviews," *Journal of Business and Technical Communication*, 24 (1), 3–28.

Manchanda, Puneet, Grant Packard, and Adithya Pattabhiramaiah (2013), "Social Dollars: The Economic Impact of Customer Participation in a Firm-Sponsored Online Customer Community," *Marketing Science*, 34 (3), 367–87.

McCracken, Grant (1989), "Who Is the Celebrity Endorser? Cultural Foundations of the Endorsement Process," *Journal of Consumer Research*, 16 (4), 310–21.

McFerran, Brent, Darren W. Dahl, Gavan J. Fitzsimons, and Andrea C. Morales (2010), "I'll Have What She's Having:

Effects of Social Influence and Body Type on the Food Choices of Others," *Journal of Consumer Research*, 36 (6), 915–29.

Mehta, Ravi, Joandrea Hoegg, and Amitav Chakravarti (2011), "Knowing Too Much: Expertise-Induced False Recall Effects in Product Comparison," *Journal of Consumer Research*, 38 (3), 535–54.

Moore, Sarah G. (2012), "Some Things Are Better Left Unsaid: How Word of Mouth Influences the Storyteller," *Journal of Consumer Research*, 38 (6), 1140–54.

Moore, Sarah G. (2015), "Attitude Predictability and Helpfulness in Online Reviews: The Role of Explained Actions and Reactions," *Journal of Consumer Research*, 42 (1), 30–44.

Moore, Sarah G., and Brent McFerran (2017), "She Said, She Said: Differential Interpersonal Similarities Predict Unique Linguistic Mimicry in Online Word of Mouth," *Journal of the Association for Consumer Research*, 2 (2), 229–45.

Moorman, Christine, Kristin Diehl, David Brinberg, and Blair Kidwell (2004), "Subjective Knowledge, Search Locations, and Consumer Choice," *Journal of Consumer Research*, 31 (3), 673–80.

Naylor, Rebecca Walker, Cait Poyner Lamberton, and David A. Norton (2011), "Seeing Ourselves in Others: Reviewer Ambiguity, Egocentric Anchoring, and Persuasion," *Journal of Marketing Research*, 48 (June), 617–31.

Naylor, Rebecca Walker, Cait Poyner Lamberton, and Patricia M. West (2012), "Beyond the 'Like' Button: The Impact of Mere Virtual Presence on Brand Evaluations and Purchase Intentions in Social Media Settings," *Journal of Marketing*, 76 (November), 105–20.

Oppenheimer, Daniel M. (2005), "Consequences of Erudite Vernacular Utilized Irrespective of Necessity: Problems with Using Long Words Needlessly," *Applied Cognitive Psychology*, 20 (2), 139–56.

Packard, Grant, Andrew D. Gershoff, and David B. Wooten (2016), "When Boastful Word of Mouth Helps Versus Hurts Social Perceptions and Persuasion," *Journal of Consumer Research*, 43 (1), 26–43.

Packard, Grant, and David B. Wooten (2013), "Compensatory Knowledge Signaling in Consumer Word-of-Mouth," *Journal of Consumer Psychology*, 23 (4), 434–50.

Park, C. Whan, and V. Parker Lessig (1981), "Familiarity and Its Impact on Consumer Decision Biases and Heuristics," *Journal of Consumer Research*, 8 (2), 223–30.

Perelman, Chaim, and Lucie Olbrechts-Tyteca (1991), *The New Rhetoric: A Treatise on Argumentation*. South Bend, IN: University of Notre Dame Press.

Petty, Richard E., John T. Cacioppo, and David Schumann (1983), "Central and Peripheral Routes to Advertising Effectiveness: The Moderating Role of Involvement," *Journal of Consumer Research*, 10 (2), 135–46.

Petty, Richard E., and Duane T. Wegener (1998), "Attitude Change: Multiple Roles for Persuasion Variables," in *The Handbook of Social Psychology*, 4th ed., Daniel Gilbert, Susan Fiske, and Gardner Lindzey, eds. New York: McGraw-Hill, 323–90.

Pornpitakpan, Chanthika (2004), "The Persuasiveness of Source Credibility: A Critical Review of Five Decades' Evidence," *Journal of Applied Social Psychology*, 34 (2), 243–81.

Preacher, Kristopher J., and Andrew F. Hayes (2004), "SPSS and SAS Procedures for Estimating Indirect Effects in Simple Mediation Models," *Behavior Research Methods, Instruments, & Computers*, 36 (4), 717–31.

Priester, Joseph R., and Richard E. Petty (1995), "Source Attributions and Persuasion: Perceived Honesty as a Determinant of Message Scrutiny," *Personality and Social Psychology Bulletin*, 21 (6), 637–54.

Raju, Puthankurissi S., Subhash C. Lonial, and W. Glynn Mangold (1995), "Differential Effects of Subjective Knowledge, Objective Knowledge, and Usage Experience on Decision Making: An Exploratory Investigation," *Journal of Consumer Psychology*, 4 (2), 153–80.

Reichheld, Frederick F. (2003), "The One Number You Need to Grow," *Harvard Business Review*, 81 (12), 46–54.

Rimé, Bernard (2009), "Emotion Elicits the Social Sharing of Emotion: Theory and Empirical Review," *Emotion Review*, 1, 60–85.

Rosch, Eleanor, Caroline Merivs, Wayne Gray, David Johnson, and Penny Boyes-Braem (1976), "Basic Objects in Natural Categories," *Cognitive Psychology*, 7, 573–605.

Schellekens, Gaby A.C., Peeter W.J. Verlegh, and Ale Smidts (2010), "Language Abstraction in Word of Mouth," *Journal of Consumer Research*, 37 (2), 207–23.

Schlosser, Ann E. (2011), "Can Including Pros and Cons Increase the Helpfulness and Persuasiveness of Online Reviews? The Interactive Effects of Ratings and Arguments," *Journal of Consumer Psychology*, 21 (3), 226–39.

Searle, John R. (1969), *Speech Acts: An Essay in the Philosophy of Language*. New York: Cambridge University Press.

Sela, Aner S., Christian Wheeler, and Gülen Sarial-Abi (2012), "*We Are Not the Same as You and I*: Causal Effects of Minor Language Variations on Consumers' Attitudes Toward Brands," *Journal of Consumer Research*, 39 (3), 644–61.

Simonson, Itamar, and Emanuel Rosen (2014), *Absolute Value: What Really Influences Customers in the Age of (Nearly) Perfect Information*. New York: Harper Business.

Sujan, Mita (1985), "Consumer Knowledge: Effects on Evaluation Strategies Mediating Consumer Judgments," *Journal of Consumer Research*, 12 (1), 31–46.

Sun, Monic (2012), "How Does the Variance of Product Ratings Matter?" *Management Science*, 58 (4), 696–707.

Tormala, Zakary L., and Richard E. Petty (2004), "Source Credibility and Attitude Certainty: A Metacognitive Analysis of Resistance to Persuasion," *Journal of Consumer Psychology*, 14 (4), 427–42.

Trusov, Michael, Randolph E. Bucklin, and Koen Pauwels (2009), "Effects of Word-of-Mouth Versus Traditional Marketing: Findings from an Internet Social Networking Site," *Journal of Marketing*, 73 (September), 90–102.

Van den Bulte, Christophe, and Stefan Wuyts (2009), "Leveraging Customer Networks," in *The Network Challenge: Strategy, Profit, and Risk in an Interlinked World*, P.R. Kleindorfer and Y. Wind, eds. Upper Saddle River, NJ: Pearson Education, 243–58.

Verlegh, Peeter W.J., Gangseog Ryu, Mirjam A. Tuk, and Lawrence Feick (2013), "Receiver Responses to Rewarded Referrals: The Motive Inferences Framework," *Journal of the Academy of Marketing Science*, 41 (6), 669–82.

Wisnewski, J. Jeremy (2002), "Assertions, Clarifications, and Recommendations: Theories of Agency in a Wittgensteinian Key," *American Philosophical Quarterly*, 39 (2), 135–51.

Wojnicki, Andrea C., and David Godes (2011), "Word-of-Mouth as Self-Enhancement," HBS Marketing Research Paper No. 06-01, Harvard Business School.

WOMMA (2014), "Return on Word of Mouth Study," (accessed March 4, 2015), http://www.womma.org/ReturnOnWOM.

Zaichkowsky, Judith L. (1994), "The Personal Involvement Inventory: Reduction, Revision and Application to Advertising," *Journal of Advertising*, 23 (4), 59–70.

Zech, Emmanuelle (1999), "Is It Really Helpful to Verbalise One's Emotions?" *Gedrag en Gezondheid*, 27, 42–47.

Zhou, Rongrong, and Dilip Soman (2003), "Looking Back: Exploring the Psychology of Queuing and the Effect of the Number of People Behind," *Journal of Consumer Research*, 29 (4), 517–30.