

Profit Maximization versus Disadvantageous Inequality: The Impact of Self-Categorization

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ABSTRACT

Choice behavior researchers (e.g., Bazerman, Loewenstein, & White, 1992) have found that individuals tend to choose a more lucrative but disadvantageously unequal payoff (e.g., self—\$600/other—\$800) over a less profitable but equal one (e.g., self—\$500/other—\$500); greater profit trumps interpersonal social comparison concerns in the choice setting. We suggest, however, that self-categorization (e.g., Hogg, 2000) can shift interpersonal social comparison concerns to the intergroup level and make trading disadvantageous inequality for greater profit more difficult. Studies 1–3 show that profit maximization diminishes when recipients belong to different social categories (e.g., genders, universities). Study 2 further implicates self-categorization, as self-categorized individuals tend to forgo profit whether making a choice for themselves or another ingroup member. Study 3, moreover, reveals that social categorization alone is not sufficient to diminish profit maximization; individuals must self-categorize and identify with their categorization. Copyright © 2005 John Wiley & Sons, Ltd.

KEY WORDS choice; decision making; self-categorization; fairness; trade-offs; profit maximization; social identity; social comparison

INTRODUCTION

Although most people prefer having more money to less, numerous studies at the intersection of experimental economics and psychology have demonstrated that individuals do not always maximize profit (e.g., Guth, Schmittberger, & Schwarz, 1982; Pillutla & Murnighan, 1996; Roth, 1995). One research stream in

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particular has uncovered situations in which the social comparison process prevents individuals from maximizing profit (Adams, 1963; Loewenstein, Thompson, & Bazerman, 1989). Subsequent research (Bazerman, Loewenstein, & White, 1992; Bazerman, White, & Loewenstein, 1995; Blount & Bazerman, 1996; Bazerman, Schroth, Shah, Diekmann, & Tenbrunsel, 1994; Hsee, Loewenstein, Blount, & Bazerman, 1999) has qualified this finding, however, by demonstrating that the method of elicitation can shape preferences for profit maximization in the face of social comparison concerns. For example, when payoffs are presented separately, between-subjects, individuals rate a payoff in which they and a counterpart both earn \$500 more highly than individuals who rate a payoff in which they earn \$600 and their counterpart earns \$800. However, when individuals are given the opportunity simultaneously to compare alternative payoff allocations in a choice setting, they tend to choose the more lucrative payoff. Hence, profit maximization trumps interpersonal social comparison concerns in the choice setting.

The present analysis suggests that this tendency to maximize profit in the choice setting is significantly diminished when payoff recipients belong to different social categories (e.g., genders, countries, alumnates, etc.). In these cases, individuals self-categorize themselves in terms of their social category memberships (Hogg, 2000), and social comparison concerns shift from the interpersonal level, between two individuals, to the intergroup level, between groups. While additional profit is sufficient to overcome interpersonal social comparison concerns in the choice setting (Bazerman et al., 1992; Bazerman et al., 1995; Blount & Bazerman, 1996), we predict that self-categorized individuals will increasingly forgo profit maximization even in a transparent choice setting. Thus, when payoffs are allocated to members of different social category groups, individuals often tend *not* to maximize profit, choosing instead a less lucrative but equal allocation. Accordingly, we propose that self-categorization is an important factor that can make a tradeoff between profit and disadvantageous inequality more difficult.

Social comparison and choice behavior

Harnessing social comparison theory (Festinger, 1954), Messick and Sentis (1985) distinguished between nonsocial utility (i.e., payment to oneself in absolute profit) and social utility (i.e., payment to oneself relative to the payment of another individual). Building on this background, Loewenstein et al. (1989) found that individual social-utility functions are non-linear and that the form of an individual's utility function depends on a number of factors. Loewenstein et al. (1989) placed subjects in a situation characterized by a strong equality norm and asked them to assess their satisfaction with different monetary outcomes for themselves and for another person in a number of fictional disputes. Interpersonal comparisons overwhelmed the concern for personal outcomes. For example, in between-subjects conditions, participants rated the outcome of \$500 for oneself and \$500 for the other person as more satisfactory than the outcome of \$600 for oneself and \$800 for the other person, revealing a preference for equal outcomes with less money over unequal outcomes with more. Hence, in the abstract, social comparison concerns make a lucrative but disadvantageously unequal payoff seem unattractive.

Researchers have begun to clarify the cognitive and informational variables that affect this phenomenon, and one interesting revelation has been that presenting these payoff options side-by-side in a choice setting assuages social comparison concerns and facilitates profit maximization. For example, Bazerman et al. (1992) showed that, when individuals evaluated payoffs in a choice setting, they maximized personal profit by choosing the \$600—self/\$800—other option over the \$500—self/\$500—other option. Blount and Bazerman (1996) extended this result to a situation involving real payoffs. One group of potential participants in an experiment was offered \$7 to participate in a 40-minute experiment, knowing that all participants would receive \$7. A second group was offered \$8 to participate in a 40-minute experiment, knowing that some participants were arbitrarily (based on a random factor) offered \$10. A third group was given a choice: (1) to participate in a 40-minute experiment in which everyone would be paid \$7; (2) to participate in a 40-minute experiment in which some participants, including themselves, would receive \$8 and others would

receive \$10; or (3) not to participate. Although significantly more participants in the first group chose to participate than in the second group, the majority of participants in the choice condition chose to participate in the experiment that gave them \$8 and others \$10.

In the choice setting, individuals can use the two alternative options as points of reference that enable them to recognize the tradeoff between social comparison concerns and sheer profit. As Bazerman et al. (1992) suggest, "In a choice task, the subject evaluating the two outcomes from our earlier example simultaneously might reason, 'Surely it is worth \$200 in inequality to receive an extra \$100'" (p. 222). This analysis suggests that, although making less money relative to a counterpart is painful, individuals willingly suffer the pain of social comparison in return for higher financial profits in these interpersonal situations.

The impact of self-categorization

Does the apparent benefit of higher monetary profits always trump the social comparison concerns in the choice setting? Certainly, factors that amplify the concern for social comparison will lead individuals knowingly to forgo profit in order to satisfy social comparison concerns. We assert that self-categorization (Hogg & Abrams, 1990; Turner, Hogg, Oakes, Reicher, & Wetherell, 1987) is one factor that can shift the concern for social comparison from the interpersonal level to the intergroup level and diminish the tendency to maximize profit in the choice setting.

Self-categorization theory (Hogg & Abrams, 1990; Turner et al., 1987) emphasizes the cognitive aspects of social identity theory (Deaux, 1996; Tajfel, 1981; Turner, 1982) and describes how individuals categorize themselves into ascribed, chosen, or arbitrary social categories. For example, upon arriving in London, we might categorize ourselves as "Americans" and those around us as "Britons." Individuals who self-categorize and identify with that categorization will then demonstrate intergroup biases such as ingroup favoritism. Uncertainty reduction (Hogg & Mullin, 1999; Mullin & Hogg, 1998) and self-esteem (Abrams & Hogg, 1988; Tajfel, 1981) are considered primary motives for self-categorization, and self-categorization relies on the social comparison process to fulfill these two motives (Hogg, 2000; Turner 1975).

The uncertainty reduction model of self-categorization (Hogg & Mullin, 1999) emphasizes the self-evaluation motive, an epistemic motivation to reduce uncertainty, and researchers posit that individuals experiencing uncertainty will use self-categorization as a way to reduce the uncertainty. For example, participants in minimal group experiments self-categorize and identify with their arbitrarily assigned group (e.g., "Red Team") because of the situational uncertainty of these experiments; participants do not know what is expected of them during the experiment, and so they self-categorize and identify with other "Red Team" members and exhibit ingroup favoritism vis-à-vis "Blue Team" members. For instance, "Red Team" members might rate their own ingroup in ways that favorably distinguish themselves from "Blue Team" members (e.g., Oaker & Brown, 1986; Turner, Brown, & Tajfel, 1979). Self-categorization reduces uncertainty because the social comparison process enables ingroup members to maintain the distinctiveness of the ingroup (Hogg, 2000).

Yet this motive to reduce uncertainty may also work "in conjunction with the self-enhancement and self-esteem motives" (Hogg, 2001, p. 339). The social comparison process also enables ingroup members to pursue self-enhancement in ways that "accentuate differences that evaluatively favor the in-group" (Hogg, 2000) and protect the positive valence of their social identity with respect to the outgroup (Hogg, 2000). Hence, intergroup social comparisons emerge with self-categorization and precipitate ingroup favoritism and behaviors that ensure or protect the ingroup's distinctiveness or positive valence over the outgroup.

Since the social comparison process enables self-categorized individuals to reduce uncertainty and boost self-esteem, we can predict that trading disadvantageous inequality for additional profit will be more difficult for self-categorized individuals. In the original Bazerman et al. (1992, 1995) studies, individuals recognized the pain associated with upward social comparison in the choice setting, but nevertheless preferred to maximize profit. For *self-categorized* individuals, however, this tradeoff should be more difficult because self-categorization shifts social comparison concerns from the interpersonal level, between individuals, to the

intergroup level, between groups. Accepting less profit relative to the outgroup would pose a threat to ingroup members, as social comparison processes would no longer enable self-categorized individuals to protect the distinctiveness or positive valence of the ingroup. Because such threats can lead to uncertainty and jeopardize self-esteem (e.g., Gaertner, Sedikides, & Graetz, 1999; Hogg, 2001), we predict that self-categorized individuals will tend to choose the less lucrative equal payoff in the choice setting in order to avoid the threat posed by the disadvantageously inequality.

Overview

The goal of the present analysis was to examine how self-categorization could diminish the tendency to maximize profit in choice behavior. On a broader level, this analysis sought to bridge the self-categorization and decision-making literatures. We induced self-categorization by allocating payoffs across social category lines and asked participants to choose whether the ingroup would receive the same payoff as the outgroup or a more lucrative but disadvantageously unequal one.

STUDY 1: SELF-CATEGORIZATION

We tested the prediction that self-categorized individuals would be less willing to tradeoff disadvantageous inequality for profit relative to a control condition. We took advantage of gender as a naturally occurring social category.

Participants

Forty-four University of Michigan undergraduates volunteered to participate in a brief questionnaire study. Participants were recruited at campus student centers.

Procedure

In a between-subjects design, participants were assigned to either a mixed-gender condition (*self-categorization condition*) or gender-neutral condition (*control condition*). The *self-categorization condition* read as follows: "Imagine you agreed to participate in only one of the following experiments. Which experiment would you participate in? (indicate Experiment 1 or 2)." At this point female participants saw descriptions of Experiment 1 and 2, respectively: "Experiment 1: This experiment requires two minutes to complete. It is a study on attitudes toward campus issues. Female and male participants are paid \$1.00; Experiment 2: This experiment requires three minutes to complete. It is a study on game theory. Female participants are paid \$2.00; Male participants are paid \$5.00. (Note: These arbitrary differences in pay were based on a coin toss)." Male participants read slightly different descriptions of Experiment 1 and 2, respectively: "Male and female participants are paid \$1.00" and "Males participants are paid \$2.00; Female participants are paid \$5.00."

The *control condition* was identical but with modified payoffs for Experiment 1 and 2, respectively: "All participants are paid \$1.00" and "Half the participants (including yourself) are paid \$2.00; Half the participants are paid \$5.00." We likewise noted that the arbitrary differences in pay were based on a coin toss.

Results and discussion

Results from a chi-square analysis revealed a significant effect in the predicted direction, χ^2 ($df=1$, $N=44$) = 6.56, $p < 0.05$. Only 62% of the participants in the *self-categorization condition* ($n=24$) chose

Experiment 2 and maximized profit, whereas 95% of the participants in the *control condition* ($n = 20$) were willing to trade disadvantageous inequality for extra profit. Moreover, there were no apparent gender differences ($p < 0.20$) in the tendency to forgo profit in the *self-categorization condition*.

In line with previous research, these results reveal that in the absence of self-categorization, the utility of earning a greater profit trumps social comparison concerns in the choice setting (Bazerman et al., 1992). However, when allocation recipients belong to different social categories, the self-categorization process shifts the concern for social comparison from the interpersonal level to the intergroup level (Hogg, 2000). Because intergroup comparisons function to monitor and protect the distinctiveness of the ingroup, the self-categorized individual tends to avoid the threatening disadvantageous inequality. Although there is a strong tendency to accept a more lucrative but lesser dollar amount compared to other individuals, it becomes especially difficult for the self-categorized individual when these other individuals are outgroup members.

While social comparison can explain these dynamics, an alternative explanation might be that it is simply “unfair” to pay one social category more than another. For instance, some might argue that the coin toss was somehow systematically biased or that people did not maximize profit because of fairness concerns (e.g., Rabin, 1993) or insult (e.g., Pillutla & Murnighan, 1996). We did note, however, that the differences in pay were based on the arbitrary toss of a coin, which not only avoids the possible perception of discrimination against a given social category, but was also found sufficiently non-aversive in the control condition to allow almost all participants to maximize profits in the face of disadvantageous inequality. Study 2 used logistical reasons to justify differences in payoff discrepancies and probed for additional evidence of the self-categorization process.

STUDY 2: SELF-CATEGORIZATION AND DEPERSONALIZATION

To examine further whether the self-categorization process impeded profit maximization in the choice setting, we explored whether self-categorized individuals would also forgo profit maximization when they made a choice for another ingroup member. One consequence of self-categorization involves *depersonalization* (Hogg, Cooper-Shaw, & Holzworth, 1993; Hogg & Haines, 1996). Self-categorization *depersonalizes* “perception and conduct such that members, including oneself, are not processed as complex, multidimensional whole persons but, rather, as embodiments of the perceived group prototype” (Hogg et al., 1993, p. 453). The ingroup prototype itself is “an integrated, abstract representation of specific stereotypical/normative characteristics that defines ingroup” (Hogg et al., 1993, p. 464). Self-categorized individuals, in their depersonalized state, thus behave, perceive, and make decisions in ways that are consistent with the ingroup prototype. For this reason, self-categorized individuals should make the same payoff decision for another ingroup member as they would make for themselves. Study 2 tested the prediction that self-categorization would attenuate profit maximizing tendencies whether self-categorized individuals made a decision for themselves or another ingroup member.

Participants

A total of 168 undergraduates at University of Michigan participated in a between-subjects design study. Participants were recruited via e-mail for an online survey.

Procedure

After being assigned to one of four conditions, participants were asked to choose between two hotel arrangements. The *self-categorization condition* read as follows, “Imagine that you are on an

all-expense-paid weekend trip with two groups of students from the University of Michigan and Harvard, and there are vacancy issues. One option is to have everyone stay at a 1-star motel. Because the UM group is slightly larger, another option is to have the UM group stay at a somewhat better 2-star hotel and the Harvard group at an even better 4-star hotel. In either case, both groups will not be interacting.” At this point, participants read, “If asked to choose, which option would you select?” and then chose between “Option A: All Michigan and Harvard students stay at the 1-star motel” and “Option B: Michigan students stay at the 2-star hotel; Harvard students stay at the 4-star hotel.” In the *self-categorization—other condition*, participants made the identical choice but for another ingroup member: “Imagine that two groups of students from the University of Michigan and Harvard are on an all-expense-paid weekend trip. If asked to choose for a fellow Michigan student, which option would you select?”

The *control condition* was identical but asked participants to imagine they were traveling with another group from the University of Michigan, and the choice was between “All Michigan students stay at the 1-star motel” and “Half the Michigan students (including yourself) stay at the 2-star hotel; Half the Michigan students stay at the 4-star hotel.” We also included a *secondary control condition* to reflect the original interpersonal choice context (e.g., Bazerman et al., 1992): “Imagine that you and another student are on an all-expense-paid weekend trip . . .” Because the differences in hotels in all the other conditions was based on logistical reasons (e.g., “slightly larger group”), the *secondary control condition* accordingly attributed the differences to “logistical reasons.”

RESULTS AND DISCUSSION

To test the prediction that individuals become less willing to maximize profit in the *self-categorization* ($n = 44$) and *self-categorization—other conditions* ($n = 37$) relative to the *control* ($n = 40$) and *secondary control conditions* ($n = 47$), we assigned the following contrast weights (see Rosenthal & Rosnow, 1991): 1(*self-categorization condition*), 1(*self-categorization—other condition*), -1 (*control condition*), and -1 (*secondary control condition*). We then performed a binary logistic regression on choice (1 = Option A, 2 = Option B). A significant pattern confirmed the contrast ($b = -0.36$, $Wald = 5.1$, $p < 0.05$). See Table 1.

These results further implicate the role of self-categorization. Only 55% in the *self-categorization* and 49% in the *self-categorization—other conditions* maximized the quality of their own hotel, compared to 68% in the *control* and 70% in the *secondary control conditions*. Finally, because the *self-categorization* and *self-categorization—other conditions* were not statistically different ($p > 0.73$), the implication is that self-categorization underlies this effect. More specifically, to the extent that self-categorization leads to depersonalization, self-categorized individuals should make the same decision both for themselves and another ingroup member. Hence, these results are consistent with self-categorization theory.

Table 1. Percent and count choosing the 2-star/4-star hotel over the 1-star motel by condition

Condition	%	Count (n)
Self-categorization	54.5	24 (44)
Self-categorization—other	48.6	18 (37)
Control	67.5	27 (40)
Secondary control	70.2	33 (47)

STUDY 3: SELF-CATEGORIZATION AND IDENTIFICATION

While Study 2 suggested that self-categorized individuals were interchangeable with other ingroup members and consequently made similar decisions for themselves and other ingroup members, Study 3 sought further to underscore the impact of self-categorization by examining the role of social identification. Social categorization alone is not sufficient to precipitate intergroup phenomena; individuals must self-categorize and identify with the particular social category (Grieve & Hogg, 1999). To illustrate this point, Study 3 measured social identification with respect to the decision to forgo profit. Individuals who self-categorize and identify with the focal social category should be less willing to maximize profit in the inter-category context, compared to individuals who do not.

To test this prediction, we used a business strategy scenario: a choice between a joint venture that increases revenue by 10% for each party and a joint venture that increases revenue by 15% for the ingroup and 20% for the outgroup. We compared a joint venture between an American firm and a foreign firm (*self-categorization condition*) with a joint venture between two American firms (*control condition*). We also included a *secondary control condition* in which no social category was made salient. Our main prediction was that level of social identification with the United States of America would be associated with the decision to forgo profit in the *self-categorization condition*. Namely, individuals who chose to forgo profit would report higher levels of identification, compared to individuals who chose to maximize profit. We also predicted that individuals in the *self-categorization condition* would be overall less likely to maximize profit relative to the *control* and *secondary control conditions* and that the decision to maximize profit would be associated with the pain of social comparison.

Participants

A total of 166 undergraduate American citizens participated in a between-subjects design study. Participants were recruited to volunteer for a two-minute survey at various campus student centers.

Procedure

On the first page, participants read a scenario about a business joint venture. The *self-categorization condition* was about a joint venture between an American and a French airline: “Imagine that you work for American Airlines, and you are thinking about a possible joint venture with Air France. Profits will depend on the timeline of the joint venture, and it can only be one of the following two options: Option A: Short Term—American Airlines” profits will increase by 10% and Air France’s profits will increase by 10%; Option B: Long Term—American Airlines” profits will increase by 15% and Air France’s profits will increase by 20%.” Participants were then asked, “Of these two options, which one would you choose? (please check).”

The *control condition* was simply between two American firms—namely American Airlines and Delta Airlines. The *secondary control condition*, which was not based on any group, was between two self-employed pilots: “Imagine that you are a self-employed charter pilot, and you are thinking about a possible joint venture with another self-employed charter pilot.” The payoffs were the same as the other two conditions, but worded as “your profits” versus “the other pilot’s profits.”

On the second page, participants were then reminded of Option B verbatim (“On the previous page, you saw Option B . . .”), and then asked a question about the pain of social comparison, “In your opinion, how painless or painful would it be to choose Option B?” At this point, participants circled a value that ranged from -3 (“Painless”) to 3 (“Painful”), with 0 as the midpoint.

On the third page, participants then responded to questions regarding identification with the United States of America: *How much do you identify with other Americans?* (1 = not very much, 7 = very much); *How much pride do you have in being an American?* (1 = not very much, 7 = very much); *How similar do you*

think you are to other Americans in terms of general attitudes and beliefs? (1 = not very similar, 7 = very similar). These three questions became the measure of social identification.

Results and discussion

To test the prediction that individuals would be less willing to maximize profit in the *self-categorization condition* ($n = 56$) relative to the *control* ($n = 64$) and *secondary control conditions* ($n = 46$), we assigned the following contrast weights (see Rosenthal & Rosnow, 1991): 2(*self-categorization condition*), -1 (*control*), and -1 (*secondary control condition*). We then performed a binary logistic regression on choice (1 = "10%–10%," 2 = "15%–20%") while controlling for administration sites, and the contrast was significant ($b = -35$, $Wald = 7.5$, $p < 0.01$). See Table 2. Only 55% of the participants maximized profit in the *self-categorization condition* compared to 73% of the participants in the *control condition* and 78% in the *secondary control condition*.

To test the prediction that individuals who select the less lucrative equal payoff option would also tend to perceive the more lucrative option as being more painful to choose, we converted the $-3/3$ scale to a conventional seven-point scale and performed a t -test on the reported pain of choosing the lucrative but disadvantageously unequal payoff with choice as the independent variable. The t -test was significant ($t(154) = 5.94$, $p < 0.001$). Individuals who chose the equal payoff ($M = 4.30$, $SD = 1.28$) considered the lucrative payoff to be more painful than those who chose the lucrative payoff ($M = 2.81$, $SD = 1.50$). The pain of social comparison is felt when forgoing profit.

These painfulness ratings may also provide a window onto why the individuals in the *self-categorization condition* chose the equal payoffs. Self-categorized individuals may derogate outgroups, but they may also simply try to protect the ingroup (Hogg, 2000). Because those who chose to forgo profit considered the profitable alternative especially painful, it seems that the self-categorized individuals in this study were more concerned with protecting the ingroup, as opposed to pulling down the outgroup. This analysis resonates with other research that suggests that ingroup favoritism does not necessarily require a more negative response toward the outgroup (e.g., Brewer, 1979).

To illuminate further the impact of self-categorization processes, we tested the prediction that, in the *self-categorization condition*, individuals who chose to forgo profit, relative to those who did not, would report significantly higher levels of social identification with the United States of America. We first averaged the three social identification items ($\alpha = 0.79$) to create a social identification index. We then conducted a t -test on the level of social identification by choice in the *self-categorization condition*. Indeed, those individuals in the *self-categorization condition* who chose to forgo profit reported significantly higher levels of social identification ($M = 5.3$, $SD = 1.47$) than did those who maximized profit ($M = 4.4$, $SD = 1.38$), $t(53) = 2.44$, $p < 0.05$. As expected, there were no differences in social identification between those who chose to forgo profit and those who chose to maximize profit in either the *control* ($t(61) < 1$: $M = 4.9$, $SD = 1.04$ vs. $M = 4.7$, $SD = 1.39$) or the *secondary control conditions* ($t(43) < 1$: $M = 4.8$, $SD = 1.04$ vs. $M = 4.8$, $SD = 1.12$).

These results suggest that social categorization alone is not sufficient to impede profit maximization tendencies. Individuals must self-categorize and identify with the social category membership at hand.

Table 2. Percent and count choosing the 15–20% over the 10–10% increase in profits by condition

Condition	%	Count (n)
Self-categorization	55.4	31 (56)
Control	73.4	47 (64)
Secondary control	78.3	36 (46)

If individuals do not self-categorize and strongly identify with being an American, say, they will proceed to maximize profit. However, if individuals self-categorize and strongly identify with a category, such as being an American, then individuals will forgo profit maximization. Hence, the proposed effect will be prevalent among those who self-categorize and strongly identify with the focal social category and virtually non-existent among those who do not.

GENERAL DISCUSSION

Previous research suggested that, in a choice setting, alternative payoff allocations provide individuals with alternative reference points, leading them to forgo social comparison concerns for profit maximization (Bazerman et al., 1992, 1994, 1995; Blount & Bazerman, 1996). The present analysis, however, explored how self-categorization can attenuate this tradeoff by shifting social comparison concerns from the interpersonal level to the intergroup level. Self-categorized individuals experienced greater difficulty in trading disadvantageous inequality for profit, regardless of whether differences in payoffs were based on an arbitrary coin toss (Study 1), on objective logistical limitations (Study 2), or on market forces (Study 3). Studies 2 and 3 further implicated self-categorization by testing hypotheses based on the processes of depersonalization and social identification. Study 2 found that self-categorized individuals in their depersonalized state tended to forgo profit maximization, whether making decisions for themselves or another group member. Study 3 found that social categorization per se is not sufficient to impede profit maximization; individuals must also self-categorize and identify with the social category at hand.

Implications and future directions

The present analysis sheds new light on how members of organizations may react differently to payoff allocations depending on the social context at hand. When allocations are distributed in the absence of self-categorization, individuals will be more willing to choose profit maximization. If individuals self-categorize, however, willingness to maximize profit may diminish in a choice setting that couples greater profit with disadvantageous inequality. Under these circumstances, “enlarging the pie” may be especially difficult for individuals who self-categorize themselves into social categories that are asked to make the tradeoff from a smaller but equal slice of the pie to a larger but disadvantageously unequal one.

The process of “recategorization,” however, may help safeguard against unwanted self-categorizations. Recategorization, based on the “common ingroup identity model” (Gaertner, Dovidio, Anastasio, Bachman, & Rust, 1993), is a process by which a larger, more inclusive, social category is made salient to foster trust and cooperation between groups from different social categories (Gaertner & Dovidio, 2000). If Congressional Democrats and Republicans from the South, for instance, are competing for federal funds, the common ingroup identity model would suggest that trust and cooperation can be facilitated by making salient the fact that both groups belong to the same region. Thus, invoking the superordinate category of the “South” may precipitate self-categorizations as “Southerners” and, in turn, facilitate the acceptance of profitable but disparate allocations, increasing the social utility of such allocations together with their beneficial monetary consequences.

The present results may also have interesting implications for ultimatum games (e.g., Guth et al., 1982; Roth, 1995). Although the strategic, interdependent nature of the “take-it-or-leave-it” and “all-or-nothing” ultimatum offers is quite different from the payoffs presented in the choice sets of the present studies, self-categorization may exert similar effects on the decision of whether to accept an ultimatum offer or not. For instance, individuals may exhibit an even greater tendency to reject an ultimatum offer, rather than accept a disadvantageously unequal offer, when the parties belong to different social categories (e.g., individuals from different countries) than when they belong to the same social category (e.g., individuals from the same

country). It would also be interesting to examine whether individuals making ultimatum offers in inter-category contexts anticipate the reaction of the recipients and therefore exhibit a greater tendency toward equal splits than they would in the absence of self-categorization.

Conclusion

While previous research suggests that individuals tend to choose a lucrative but disadvantageously unequal payoff over a less lucrative but equal one in the choice setting (e.g., Bazerman et al., 1992), the present research suggests that self-categorization is one important factor that can shift the concern for social comparison from the interpersonal level to the intergroup level and attenuate profit-maximizing tendencies. Self-categorized individuals tend to forgo profit maximization, whether making a decision for themselves or another ingroup member. While this analysis illuminates the role of self-categorization in the tradeoff between profit and disadvantageous inequality, it also helps bridge the decision-making and self-categorization literatures.

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