Deadlines, Procrastination, and Inattention in Charitable Tasks: A Field Experiment

Knowles, Stephen and Servátka, Maroš and Sullivan, Trudy

University of Otago, MGSM Experimental Economics Laboratory, Macquarie Graduate School of Management, University of Otago

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Deadlines, Procrastination, and Inattention in Charitable Tasks:  
A Field Experiment

Stephen Knowles¹, Maroš Servátka²*, and Trudy Sullivan³

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Abstract: We conduct a field experiment to analyze the effect of deadline length on charitable tasks. Participants are invited to complete an online survey, with a donation going to charity if they do so. Participants are given either one week, one month or no deadline by which to respond. Completions are lower for the one month deadline, than for the other two treatments, consistent with the model of inattention developed in Taubinsky (2014) and also with the idea that not specifying a deadline conveys urgency.

Keywords: charitable tasks; charitable giving; deadline; procrastination; inattention; field experiment

JEL Codes: C93; D64

¹ Department of Economics, University of Otago, NEW ZEALAND
²* Corresponding Author. MGSM Experimental Economics Laboratory, Macquarie Graduate School of Management, 99 Talavera Road, North Ryde NSW 2113, AUSTRALIA. Tel: +61-2-9850 7813. E-mail: maros.servatka@mgsm.edu.au.
³ Department of Preventive and Social Medicine, University of Otago, NEW ZEALAND
1. Introduction

Deadlines often help us organize our lives by motivating us to perform tasks that we have been procrastinating over (O’Donoghue and Rabin, 1999). Some tasks, like filing tax returns, must be completed otherwise the consequences or penalties can be severe. Other tasks, such as redeeming vouchers, are not compulsory, so we sometimes forget to complete them even though it would benefit us personally. For some non-compulsory tasks, such as donating money to charity or completing a survey, the benefits accrue to someone other than the person completing the task.¹ We conjecture that for such charitable tasks, the time available to perform them might influence whether they get completed or not. The deadline length might convey cues about the importance of the task, which would have an impact on the completion rate. For example, a person undertaking the task may lack information about whether it needs to be completed promptly, signaling relative importance. A long deadline may communicate a lack of urgency giving people permission to procrastinate, with people ultimately forgetting to complete the task (Taubinsky, 2014). By contrast, a short deadline or having no deadline at all may convey a greater degree of urgency.

The conjecture that deadline length affects response rates has been developed theoretically in Taubinsky (2014), whose model of inattention incorporates the possibility of people forgetting to take an action and missing the deadline. Taubinsky argues that “a decision maker may form a clear intention for how he would like to act in the future, but then fails to follow through on that intention because it is not top of mind” (p. 13). We test the conjecture in a field experiment in which we invite a nationally representative sample of 3,276 people to give up five minutes of their time to answer an online survey, and, in doing so, earn $10 that will be donated to charity by the researchers.²

In the experiment we implement three conditions: a one week deadline (short deadline), a one month deadline (intermediate deadline), and no deadline at all (infinite deadline).

Taubinsky’s model, discussed in more detail in Section 3, predicts that completion rates will be lowest for deadlines of intermediate length whereas the task is more likely to be

¹ We use the term “charitable tasks” to refer to such cases and the term “personal benefit tasks” to refer to tasks which principally benefit the person undertaking them.
² Hence, the task could be thought of as either completing a survey (benefitting those doing the research), or giving up a small amount of time to earn money for charity (benefitting the charity and those who are helped by the charity’s work).
completed under the shorter deadline as it is going to be on people’s minds. If the probability of being attentive is non-zero (e.g. there is a chance of encountering a cue, such as hearing about a charity in a different context), longer deadlines will not reduce the probability of completing the task. In fact, as the deadline approaches infinity, or if there is no deadline at all, the task will eventually get completed, assuming the decision maker intends to do it. Taubinsky does not test this particular prediction of the model, instead, his experiment focuses on testing whether cues (reminders) reduce the gap in task completion rates for a longer versus shorter deadline, in the context of a personal benefit task. He finds this is indeed the case and thus provides evidence for the existence of inattentiveness among his subjects.\footnote{Sonntag and Zizzo (2015) also find that reminders reduce inattentiveness in the context of charitable giving, but that weekly reminders are no more effective than monthly reminders. They do not, however, analyse the effect of different deadlines on response rates.} Our primary aim, on the other hand, is to test the predictions related to deadline effects.

Taubinsky’s model further predicts responses for an infinite deadline will not be lower than short deadlines, and will be higher than intermediate deadlines. If decision makers interpret the lack of deadline as meaning they can take as long as they like (i.e. the deadline is infinite), then the model predicts completions will not be lower than for the intermediate deadline as people will eventually remember to perform the task. In this case, there will be a non-trivial number of (very) late completions. An alternative possibility is when no deadline is specified, instead of assuming the deadline is infinite, decision makers may interpret the lack of deadline as implying that if they are to perform the task, they must do so promptly, reducing the potential for procrastination and inattention. Specifying an intermediate deadline (e.g. one month), on the other hand, makes it clear that an urgent response is not required, which may be interpreted as receiving permission to delay, creating greater potential for procrastination and inattention. The key point is that whichever way the lack of deadline is interpreted by decision makers, the lack of deadline is predicted to increase response rates relative to an intermediate deadline.

A counter argument is that if longer deadlines do reduce response rates then it might perhaps seem logical to conclude that as the longest possible deadline is to have no deadline at all, responses will be lowest when there is no deadline. This is assumed, but not formally tested, in the charitable giving context by Damgaard and Gravert (2016) and Huck and Rasul (2011), studies discussed in more detail in the literature review. Whether having no deadline
increases or reduces responses for charitable tasks is therefore an empirical question, and one of the questions which this paper addresses.

We contribute to the literature in a number of ways. Incorporating a no deadline treatment allows us to test the prediction of Taubinsky’s model that completion rates will be lower for deadlines of intermediate length than for short or infinite deadlines. Since Taubinsky’s framework does not make a distinction between personal benefit tasks and charitable tasks, our contribution in this regard can be seen as testing whether procrastination and inattention extend to the domain of charitable tasks. By definition, the main beneficiary of a charitable task is someone other than the person undertaking the task and hence charitable tasks are unlikely to be top of mind, perhaps even less so than personal benefit tasks, arguably making Taubinsky’s framework particularly applicable to our setting. In addition we conjecture that for charitable tasks the deadline might signal the importance of the task (including the importance of completing it promptly), which in turn impacts the probability of task completion.

We find a significantly higher response rate in the No Deadline treatment compared to the One Month treatment. This result holds even if we exclude any responses made after one month in the No Deadline treatment. Responses are greater in the No Deadline treatment than in the One Week treatment, but this difference is not statistically significant. Our results suggest that response rates are maximized by not specifying a deadline. Consistent with the conjecture that a longer deadline sends a signal that there is no urgency to respond, there are very few prompt responses in the One Month treatment, whereas a large number of responses in the No Deadline treatment came in early.

Our findings have important policy implications if our results are applied to the charitable giving context. Our experimental results suggest that while specifying a shorter deadline, thus creating some urgency, might mitigate procrastination and inattention, a longer (intermediate) deadline seems to remove this urgency and results in lower responses. Consistent with Taubinsky’s prediction, specifying no deadline leads to a higher response rate than an intermediate deadline. However, based on the pattern of responses, most of which come early, this is not because people eventually remember to respond, but because having no deadline signals urgency. Nevertheless we do observe a small number of very late responses,
consistent with Taubinsky’s intuition. Therefore, applying our results to charitable giving, 
charities are best to specify no deadline at all in order to maximize donations.

2. Literature Review

We begin by reviewing the literature on deadline length in the context of charitable giving, an 
obvious example of a charitable task. Damgaard and Gravert (2016) conduct a field 
experiment in which solicitation emails and texts are sent out to people who have previously 
donated to a Danish charity. Subjects were told their donation would be matched if the 
donation was made by a specified deadline. The deadline length varied depending on whether 
the solicitation was by email or text. In the email treatment the short deadline was three days, 
the intermediate deadline 10 days and the long deadline 34 days. When the solicitation was 
by text, the short deadline was two days, the intermediate deadline three days and the long 
deadline 34 days. They find no evidence of deadline length affecting donations, but instead 
find what they term a “now or never” effect; people either tend to donate promptly or not at 
all. Sending out a reminder increased donations, but also increased the probability of 
someone being asked to be deleted from the charity’s database.

Damgaard and Gravert argue that their long deadline is non-binding; that is, it is effectively 
the same as having no deadline at all. To back up this claim they cite Huck and Rasul’s 
(2011) field experiment analyzing the effect of matching subsidies and the presence of a lead 
donor on charitable giving. Huck and Rasul implement treatments where subjects are told that 
if they make a donation within four weeks, the donation will be matched by an anonymous 
donor. In other treatments there was no deadline and no matching subsidy. They suggest that 
this four week deadline likely did not affect donor behavior as 97% of those who donated did 
so within the four week deadline, with the median donation time being within one week. 
Huck and Rasul also point out that they observed no differential effects on the time for 
donations to be received between the treatments specifying a four week deadline, and those 
where no deadline was given. However, this comparison of treatments with and without a 
deadline is confounded by the fact that the treatments with a four week deadline also include 
a matching subsidy, whereas the treatments with no deadline do not include a matching

4 We are unaware of any other examples of charitable tasks for which deadline length has been formally analyzed.
subsidy. Consistent with Damgaard and Gravert’s results, Knowles and Servátka (2015) find no difference in charitable giving for deadline lengths of one hour, one day and one week in a laboratory experiment. Like Damgaard and Gravert, Knowles and Servátka did not include a no deadline treatment and thus are unable to test the theoretical prediction derived by Taubinsky. Unlike in a laboratory experiment, where from the perspective of student subjects there is always an implicit deadline, be it the end of the semester, academic year or studies, a field experiment allows us to implement a treatment with a truly non-binding no deadline treatment.

Karlan et al (2011) focus mainly on the effect of matching subsidies on donations, but they also consider the effect of adding a message to the solicitation indicating urgency. The wording was either “now is the time to give” or “now is the time to join the fight”. Including this message did not increase donations compared to a control without this wording. Subjects in one mail-out were also given different deadlines by which the donation had to be made to qualify for the matching subsidy. In Karlan et al. setting, deadline length has no statistically significant effect on donations.

We now turn our attention to studies on the effect of deadlines in the context of personal benefit tasks. Tversky and Shafir (1992) offer students $5 to complete and return a lengthy questionnaire, with students being given either five days, three weeks or no deadline by which to complete the questionnaire. The respective rates of return were 60%, 42% and 25%, indicating the more time people were given to complete the task, the lower the response rate. Note that response rates are lowest when no deadline is specified, contrary to Taubinsky’s theoretical prediction. Shu and Gneezy (2010) give subjects vouchers to either a café or, in a different experiment, to a movie theatre, and find the vouchers are more likely to be redeemed for the short expiry date (three weeks in the café experiment and two weeks in the movie experiment) than for the long expiry date (two months in the café experiment and six weeks in the movie experiment). Janakiraman and Ordóñez (2012), in a series of experiments, find that reducing the amount of time subjects are given to return goods they are not happy with increases the probability that goods will be returned. In Taubinsky (2014) subjects were invited to take part in a survey, for which they had to register online, but could not complete until the next day at the earliest. The experiment used a 2 x 2 design that varied whether (i) subjects were either given a short (two day) or long (21 day) deadline by which to complete the task and (ii) whether subjects were sent a reminder. The shorter deadline
increases the probability of completion from 42% to 59%, with reminders increasing the completion rate by 31%-points for the long deadline and 15%-points for the short deadline. In contrast to the studies on charitable giving, these studies all find that increasing deadline length reduces response rates, with Tversky and Shafir finding that specifying no deadline reduces response rates even more.

3. Theoretical Framework, Hypotheses, and Experimental Procedures

Taubinsky’s (2014) model of inattention provides an intuitive theoretical framework for analyzing why people might not get around to taking an action. While Taubinsky does not explicitly mention the case of charitable tasks, we adapt the narrative to this context. In the one-off task with deadlines version of the model the Decision Maker (DM) receives the solicitation in time period 0. The task can be performed any time from time period 1 until a specified deadline. In each time period, beginning in time period 1, the DM decides whether or not to undertake the task, comparing the benefits of completing it (in the context of charitable giving this would be the warm glow or the utility derived from consumption of the recipient) to the opportunity cost of doing so. However, there is a non-zero probability that the DM will be inattentive, and not consider completing the task during that time period. Sophisticated DMs are aware of the possibility of future inattentiveness, and will take steps to protect against this (such as completing the task early or creating reminders, knowing that if they do not, they may well forget about it). Naïve DMs, on the other hand, mistakenly assume that they will be fully attentive in all time periods, so may put off the task that they fully intend to perform, but never get around to doing so.

In this framework, when the probability of being attentive is bounded away from zero, for example due to mental recall or reminders, longer deadlines will not reduce the probability of responding. In other words, as the deadline approaches infinity, the DM will eventually respond. However, if this is combined with exponential decay in attentiveness over time, response rates will be lowest for deadlines of intermediate length.5 Regarding this implication of the model Taubinsky notes that it is difficult to test empirically, as it is not obvious when the non-monotonicity will set in. We take a conservative approach and calibrate the ‘intermediate length’ based on the previous charitable giving experiments to be one month. If

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5 See Taubinsky (2014) for details.
the non-monotonicity actually sets in earlier than one month, this will make it *ex ante* more difficult to identify a statistically significant difference between treatments.

In Taubinsky’s model, the DMs cannot complete the task in time period 0, when they first learn about it. However, in many everyday contexts, including charitable tasks, it is possible to complete the task immediately, yet many people still postpone it and eventually forget (or conveniently ‘forget’ as in Andreoni et al., 2015). Due to our focus on charitable tasks we decided to allow our participants to respond immediately upon receiving the solicitation letter. An alternative would have been to not allow the participants to fill out the survey until a certain date. Since our survey solicitations were sent by regular mail, such an approach would have likely resulted in a loss of control as some people would receive the letter earlier than others and thus would have to wait more days to complete the survey, which could make them more likely to forget. Moreover, instructing people that they could not respond until a certain date would seem unnatural for the type of solicitation we implemented.

Our participants were randomly selected from the New Zealand electoral roll and invited to take part in an online survey on charitable giving, which would take approximately five minutes of their time. Participants were told that if they completed the survey the researchers would donate $10 to charity. This design feature allows us to control the size of the donation rather than letting participants choose the size of the donation. This is important as it is possible that there might be a non-trivial relationship between the time that has passed since receiving the letter and the size of the donation that the donor might consider to be appropriate. For example, some participants may feel guilty about having delayed responding, and therefore make a larger donation than they would have done if they had donated promptly. Our design controls for this.\(^6\)

Participants were able to choose whether the donation was sent to World Vision or the Salvation Army.\(^7\) The letter (provided in the appendix) included a URL for the website, with

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\(^6\) While it might be interesting to study whether such a relationship exists, allowing participants to make a donation of an arbitrary size would create a potential confound in our design as the size of what one considers to be an "appropriate" donation might interact with whether the donation is actually made. Note also that such a design would require having participants donate their own money, rather than the donation being made by the researchers.

\(^7\) Both charities are well known in New Zealand. The key difference between the charities is that World Vision works to assist families in need in the developing world, whereas the Salvation Army’s focus is on assisting families in need in New Zealand. The Salvation Army was chosen by 72 percent of participants. One of the
a different URL given for each treatment. In addition, each letter contained a unique alphanumeric code. One of the questions in the survey asked for this code, and it was explained in the letter that this was to ensure that no one completed the survey more than once. The electoral roll contains information on people’s gender and age so we ensured an equal number of letters per treatment were sent out to males and females, and an equal number of letters were sent to those aged 18-35, 36-65 and 66 and over.\textsuperscript{8}

We initially sent out 300 letters per treatment, and then, to minimize the chances of any seasonality effects, followed up with another two mail-outs a few weeks apart with 390 and 402 letters per treatment in the second and third mail-outs respectively. In the \textit{One Week} treatment people were given 10 days from when the letters were sent to complete the survey; as the letters would take two to three days to be delivered, this gives seven to eight days to respond. The deadline in the \textit{One Month} treatment was three weeks longer than in the \textit{One Week} treatment, ensuring that the deadline was the same day of the week in each case. The \textit{No Deadline} treatment did not specify a deadline by which the survey had to be completed. All letters were sent out when no major holidays occurred that would interfere with returning the letters.

To sum up, our field experiment allows us to test, in a charitable task context, Taubinsky’s two predictions that (1) completion rates will be lowest for deadlines of intermediate length and (2) infinite deadlines will not reduce the probability of completing the task. Given our experimental design, this leads to the following testable hypotheses:

\textbf{Hypothesis 1a:} \textit{No Deadline} > \textit{One Month}

\textbf{Hypothesis 1b:} \textit{One Week} > \textit{One Month}

\textbf{Hypothesis 2:} \textit{No Deadline} ≥ \textit{One Week}

As noted in the introduction, having no deadline is theoretically equivalent to having an infinite deadline. Behaviorally, however, some participants may interpret the lack of deadline

survey questions gave participants the opportunity to comment on their choice of charity. We analyze these data in a separate paper.

\textsuperscript{8} The electronic version of the electoral roll we were supplied with did not include dates of birth, but instead grouped people into five-year age bands, based on their age in May 2014. Hence, it is possible that someone could have been in one age band in May 2014 and a higher age band when they completed the survey a few months later. For this reason we do not analyze our results by age group.
as instead implying they need to act promptly (i.e. they are effectively treating the lack of deadline as a short deadline). This interpretation is also consistent with the hypotheses above. Analyzing how long people take to respond sheds some light on how the lack of deadline is interpreted. Under the infinite deadline interpretation we would expect to see completed surveys continue to come in after one month in the No Deadline treatment. Under the conveying urgency interpretation we would expect to see a relatively large number of prompt completions in the No Deadline treatment.

4. Results
In total, 1092 letters were sent out per treatment, across the three mail-outs. Some letters were returned because the person was no longer at that address. In addition, a small number of people contacted us by phone or email to let us know the person the letter was addressed to is deceased. We omit both groups of people (29 in the One Week treatment, 26 in the One Month treatment and 22 in the No Deadline treatment) from the denominator when calculating response rates. A small number of people completed the survey twice; in all cases the second survey was completed within a few minutes of the first so it is likely these people were unsure if they had correctly submitted the first time. We included the first response only in our data set for these people. There were three responses made after the deadline in the One Week treatment, but none in the One Month treatment. We omit these three late responses from our analysis, but note below any cases where our results are sensitive to this. We also omit from our analysis the small number of people who either failed to enter their alpha-numeric code (one person) or entered an invalid code (one person), or who did not choose a charity (five people; three of whom are in the No Deadline treatment). It will become clear below that including the five people who did not choose a charity would only strengthen one of our key results.

The overall response rate is 6.68%. The response rates by treatment are presented in Table 1. The response rate is highest when no deadline is specified (8.32%) and lowest with the deadline of one month (5.53%).
Table 1: Response Rates per Treatment

<table>
<thead>
<tr>
<th>Treatment</th>
<th>Number of Responses</th>
<th>Letters Sent Minus Letters Returned</th>
<th>Response Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>One Week</td>
<td>67</td>
<td>1,063</td>
<td>6.30%</td>
</tr>
<tr>
<td>One Month</td>
<td>59</td>
<td>1,066</td>
<td>5.53%</td>
</tr>
<tr>
<td>No Deadline</td>
<td>89</td>
<td>1,070</td>
<td>8.32%</td>
</tr>
</tbody>
</table>

We analyze whether these differences across treatments are statistically significant using a two-sided Fisher exact test. The difference between the *One Month* and *No Deadline* treatment (Hypothesis 1a) has a p-value of 0.013. There were three donations made in the *No Deadline* treatment that were made after the deadline for the *One Month* treatment. This deadline was not binding in the *No Deadline* treatment but note that even if we omit these three responses, the difference between the two treatments is still statistically significant (p-value = 0.025).

**Result 1a:** Specifying no deadline at all results in a higher response rate than specifying a one-month deadline.

Our first key result thus supports Taubinsky’s prediction and is counter to the assumption made by both Damgaard and Gravert (2016) and Huck and Rasul (2011). This result is robust even if we confine our attention to responses in the *No Deadline* treatment made before the expiry of the deadline in the *One Month* treatment.

We next turn our attention to Hypothesis 1b and compare the response rates between the *One Week* and *One Month* treatments. The Fisher exact test detects no statistically significant difference between them (p-value = 0.464).

**Result 1b:** Specifying a one-week deadline does not result in a higher response rate than specifying a one-month deadline.

We test Hypothesis 2 that longer deadlines will not reduce the probability of completing the task by comparing the response rates between the *No Deadline* treatment, where there is no time limit on responding, to the *One Week* treatment, where responding to the solicitation
should be on one’s mind because of the short deadline. We find the difference between One Week and No Deadline to be weakly significant (p-value = 0.081) based on the response rates reported in Table 1. However, if the three donations made after the deadline in the One Week treatment are counted (presumably a charity would accept late donations and a researcher would be interested in late survey responses), the p-value increases to 0.138. The key point is that not specifying a deadline does not reduce responses compared to specifying a short (one week) deadline.

Result 2: Not specifying a deadline does not reduce the probability of responding compared to a one-week deadline.

It is also of interest to analyze how promptly responses were made across the three treatments. This potentially offers some insights into whether participants in the No Deadline treatment assumed the deadline was infinite or, alternatively, that the lack of a deadline conveyed urgency. Figure 1 shows the response times in the One Week (Panel A), One Month (Panel B) and No Deadline (Panel C) treatments respectively. Panel C does not show the three latest responses in the No Deadline treatment, which occurred on days 38, 52 and 145.9 Panel A does not show the three late donations for One Week (these occurred on days 10, 11 and 18).

One feature of all three treatments is that the highest number of responses occurs on Day Two. However, not all letters will have been delivered on the same day; people outside the main centers may have received their letters on what we have labelled as Day Two, whereas for them it was really Day One. Day One is a Thursday (in all three mail-outs), so Days Three and Four correspond to the weekend. Only in the One Week treatment do responses fall off immediately after the first weekend. For all three treatments, the majority of responses come in the first few days, but we do not find as strong a “now or never” effect as Damgaard and Gravert (2016). In our One Month treatment only 63% of responses occur in the first seven days; the corresponding figure for the No Deadline treatment is 67%. In our No Deadline treatment 97 percent of those who responded did so in the first month, with a median response time of 4.5 days. The median response time in One Month is five days.

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9 It is possible that more responses will continue to come in. However, this would reinforce our key results.
Figure 1: Timing of Responses for Each Treatment

Panel A: One Week

Panel B: One Month

Panel C: No Deadline
Figure 1 also shows few prompt responses in One Month, compared to the other treatments. Only four people responded on Day One in the One Month treatment, compared to 10 in the One Week and 12 in the No Deadline treatments. However, given that not all participants will have received the letter on Day One, we focus our attention on the number of responses made in the first three days: 21 in One Month, 34 in One Week and 41 in No Deadline. The difference in response rates for the first three days\(^{10}\) is statistically significant (p-value = 0.014) between the One Month and No Deadline treatments. Between the One Week and One Month treatments the difference is close to being significant at the ten percent level (p-value = 0.101). This lower level of completions on the first three days is consistent with the intermediate deadline conveying less urgency than no deadline at all. Focusing on the No Deadline treatment, a number of responses continued to come in some weeks after the letter was sent out, with three being received after a month, one of which was after several months. This is consistent with the notion that some participants at least interpreted the deadline as being infinite, lending weight to Taubinsky’s prediction that responses will be highest in infinite time. However, as noted above, Figure 1 shows a significant number of prompt responses for No Deadline (41 of the 89 responses are in the first three days), consistent with the idea that many participants interpreted the lack of deadline as conveying urgency. The bottom line is that irrespective of how participants interpreted the lack of deadline, responses were not significantly lower in the No Deadline treatment than One Week treatment and were significantly higher in No Deadline than One Month.

Recall that an equal number of letters per treatment was sent to males and females. The response rate for females (8.36%) was higher than for males (4.96%). A Fisher test of these differences is highly significant (p<0.001). As we had included an equal number of females and males in each treatment, this does not constitute a confound. However, it is of interest to verify if there is an interaction between gender and treatment (e.g. are females more likely to respond in One Month than One Week?). We estimated a Logit regression to test for such interactions, but found no evidence of gender interacting with treatment. We also included an interaction term between treatment and mail-out, which was also insignificant, confirming the results of non-parametric tests that there were no statistically significant differences in response rates across treatments by mail-out. The regression results, consistent with the Fisher tests reported above, showed a statistically significant difference between responses

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\(^{10}\) Response rate = number of Day One + Day Two + Day Three responses/number of letters sent out (less those returned because the person was deceased etc.).
for No Deadline and One Month, but not between No Deadline and One Week or between One Month and One Week. The regression results are available from the authors on request.

5. Conclusions

This paper presents a field experiment analyzing the effect of deadline length on charitable tasks. There is evidence from previous research that increasing deadline length for personal benefit tasks reduces responses, with the response rate being the lowest when no deadline is specified. In contrast, for a charitable task we find that the response rate is the highest when no deadline is specified. This is consistent with the predictions of Taubinsky (2014), but in contrast to the assumption made by Damgaard and Gravert (2016) and Huck and Rasul (2011). In our treatment with an intermediate deadline, there were fewer very prompt responses than when we specified a short deadline, or no deadline at all. We interpret this as evidence that specifying a longer deadline in contrast to a short deadline or no deadline at all, sends a signal that there is no urgency to act. People therefore put off undertaking the task, and since they are inattentive, this results in lower response rates.

Our results have important policy implications both for maximizing completion rates for surveys and charitable giving. Researchers conducting surveys often specify a deadline by which the survey needs to be completed. Our results imply that survey response rates would be higher in the absence of a deadline. Charities typically do not specify deadlines by which donations need to be made and our results imply this is the optimal strategy, when there are few naturally occurring reminders. However, our results do not imply that deadlines will reduce charitable donations in contexts where there are strong naturally occurring reminders that a deadline is approaching. For example, if a charity asks people to donate before Christmas, there are constant reminders that Christmas is approaching, which may remind people about the opportunity to donate. Having said this, many charitable fundraisers do not have natural reminders and our results suggest that in these reminder-free cases charities should avoid setting deadlines, especially intermediate deadlines, by which donations have to be made.

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References


Appendix: Sample Letter Sent to Participants

Dear X

Are you interested in completing an online survey on charitable giving, and in doing so earning $10 for charity? If so, then read on.

Researchers at the University of Otago and University of Canterbury are conducting a survey on charitable giving. Your name has been randomly chosen from the electoral roll to take part in this survey. Note, that in order to take part, you do not need to have made a donation to a charity before. We are interested in the responses both of people who do give money to charity, and those who do not. If you complete the survey by 8 August the researchers will donate $10 to charity on your behalf. You will get to choose whether this donation is forwarded to World Vision or the Salvation Army.

The survey is an online survey. To complete the survey please go to http://goo.gl/CPW1cr

We estimate that the survey will take approximately five minutes to complete.

At the bottom of this letter is a code, which you will need to enter when completing the survey, in order for us to forward $10 to the charity of your choice. Requiring you to enter the code is to ensure that no-one completes the survey more than once. Each person we have written to has been given a different code. Please be assured, however, that we have not kept a record of who has been given which code (we have just kept a list of all the codes used), so we will have no way of knowing who has given which answers to the survey; that is, your responses will be completely anonymous.

Please note that because of the steps we have taken to guarantee your anonymity, we cannot provide you with a receipt for the money donated on your behalf.

Enclosed is an information sheet with some more information about this research project. Remember, in order for us to make a $10 donation to the charity you chose, you need to complete the online survey by 8 August.

Your personal code is AWF001.

Thank you for considering this request. If you have any questions, please feel free to email Stephen Knowles (stephen.knowles@otago.ac.nz).

Associate Professor Stephen Knowles (University of Otago)
(On behalf of Maroš Servátka and Trudy Sullivan)