

## Introduction

Did you have hard time to sell or <u>discard unnecessary staffs?</u>

It has been shown that people **give a** higher value to an object just because they own it. This pattern has been called **the endowment** effect.

The typical experimental procedure to test for the endowment effect divides subjects into sellers and buyers, and an object is allocated to only sellers.

As a result, the willingness to accept (WTA) to give up this object by sellers is higher than the willingness to pay (**WTP**) to receive the same object by buyers. This endowment effect can be caused by **loss aversion** of sellers (Thaler 1980).



**Buyer** 



(Novemsky & Kahneman 2005) \*WTP: willingness to pay for a buyer \*WTA: willingness to accept for a seller

## **Previous literature**

Surprisingly, little is known about the endowment effect for transactions that will happen in the future even though the transaction in the future is common in daily life. For example:

- Booking a hotel
- Selling a car
- Online flea market such as Craigslist, Wallapop, and Jimothi
- And more...

Many researchers have investigated under which conditions the endowment effect is strengthened or weakened. Peck and Shu (2009) found that psychological ownership was increased by merely touching an object. List (2011, 2003) showed that the endowment effect tends to disappear with experienced traders.

The endowment effect in the future can be different from the endowment effect in the present. If so, when is the best timing for sellers and buyers to reach an agreement?

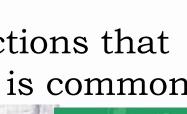
	If the endowment effect in the futur			
	stronger	weaker		
Desirable transaction timing	As soon as possible	In the futu		

If gains are discounted in time more than losses (Frederick, Loewenstein, and O'Donoghue 2002), which has been called the **sign effect**, then WTP should be discounted more than WTA in time, and the endowment effect should be strengthened in the future. However, **no study has tested the sign effect in the** context of the evaluation of objects.



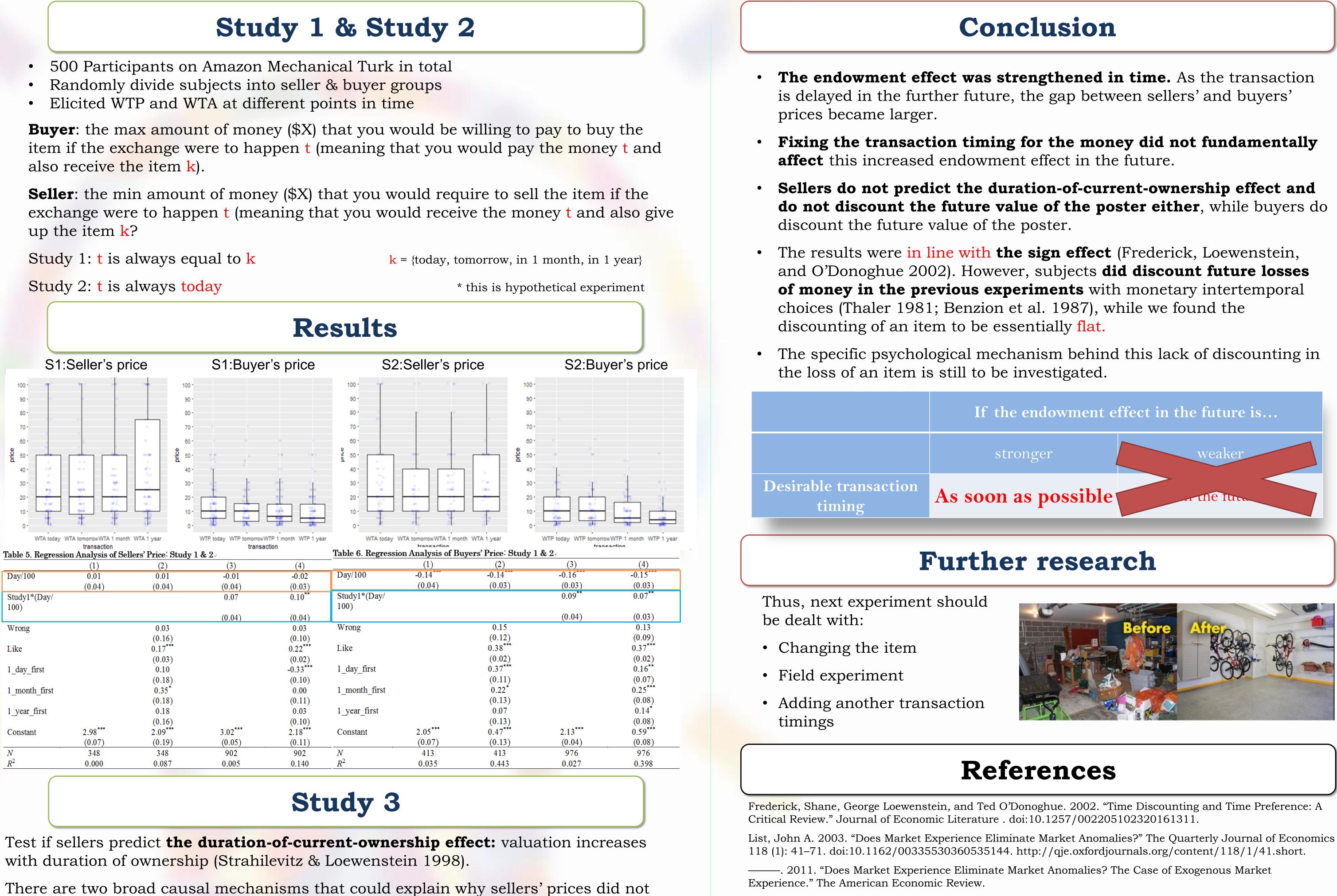
# The Endowment Effect in the Future

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e is...

lre



		(0.05)		(0.02)		
ay_first		0.10		-0.33***	1_day_first	
		(0.18)		(0.10)		
onth_first		(0.18) 0.35*		0.00	1_month_first	
		(0.18)		(0.11)		
ear_first		0.18		0.03	1_year_first	
		(0.16)		(0.10)		
stant	2.98***	2.09***	3.02***	2.18***	Constant	2
	(0.07)	(0.19)	(0.05)	(0.11)		
·	348	348	902	902	N	
	0.000	0.087	0.005	0.140	$R^2$	

change across the four scenarios in Study 2.

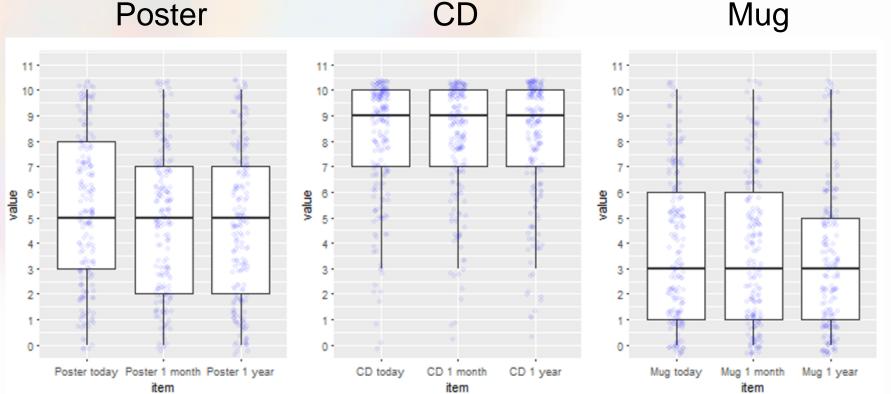
- 1. the sellers anticipated this effect while they discounted the future value of the item, so that both effects were canceled out.
- 2. the sellers neither expected this effect nor discounted the future value of the item.

### **Experimental design**

- 200 Participants
- Items: poster, autographed CD, and mug

How valuable you think the item would be to you after owning it **for** t? Scale: 0 to 10

 $t = \{today, 1 month, 1 year\}$ 



Loewenstein, G, and D Adler. 1995. "A Bias in the Prediction of Tastes." The Economic Journal. doi:2235159. http://www.jstor.org/stable/2235159. Peck, J, and SB Shu. 2009. "The Effect of Mere Touch on Perceived Ownership." Journal of Consumer Research. doi:10.1086/598614. http://jcr.oxfordjournals.org/content/36/3/434.abstract. Strahilevitz, Michal A, and George Loewenstein. 1998. "The Effect of Ownership History on the Valuation of Objects." Journal of Consumer Research 25 (3): 276–289. doi:10.1086/209539.

Thaler, Richard. 1980. "Toward a Positive Theory of Consumer Choice." Journal of Economic Behavior & Organization 1 (1): 39–60.

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