Additional Analysis

Estimate Elasticities among Claimants

Results: First-Price Elasticity

Table 1: Intensive-Margin Price Elasticity among Claimants

	Log donation
	FE
	(1)
Applicable price (β_a)	-1.147**
	(0.506)
Log income	-1.221
	(2.213)
Num.Obs.	4171

Results: Last-Price Elasticity

Table 2: Intensive-Margin Last-Price Elasticity among Claimants

	Log donation	
	FE	FE-2SLS
	(1)	(2)
Applicable last-price	−0.961*	−1.197**
	(0.517)	(0.531)
Log income	−1.108	−1.269
	(2.213)	(2.214)
1st stage information (Excluded instrument: Applicable price)		
F-statistics of instrument		40 585.827
Wu-Hausman test, p-value		0.019
Num.Obs.	4171	4171

Two Period Estimation

Use 2012 and 2015 data: First-Stage

Table 3: First-Stage Models

	Effective price	
	Donors (Intensive-margin)	Donors and Non-donors (Extensive-margin)
	(1)	(2)
Excluded instruments		
Applicable price	0.739***	0.301***
	(0.110)	(0.052)
Covariates		
Log income	−0.229	−0.026
	(0.529)	(0.190)
Num.Obs.	2004	7671
RMSE	0.02	0.03

Notes: * $p < 0.1$, ** $p < 0.05$, *** $p < 0.01$. Standard errors clustered at household level are in parentheses. An outcome variable is logged value of the effective price. For estimation, model (1) use donors only (intensive-margin sample), and model (2) use not only donors but also non-donors (extensive-margin sample). In addition to logged income and wage earner dummy shown in table, covariates consist of squared age (divided by 100), number of household members, a dummy that indicates having dependents, a set of dummies of industry a set of dummies of residential area, and individual and time fixed effects. Excluded instrument is a logged applicable price.

Use 2012 and 2015 data: Second-Stage

Table 4: Estimation Results of Price Elasticities

	Log donation			Dummy of donor		
	FE		FE-2SLS	FE		FE-2SLS
	(1)	(2)	(3)	(4)	(5)	(6)
Applicable price (β_a)	−1.275			−0.326*		
	(1.276)			(0.190)		
Effective price (β_e^{FE})		−1.129			−2.757***	
		(1.601)			(0.225)	
Effective price (β_e^{IV})			−1.725			−1.084*
			(1.754)			(0.574)
Log income	−3.555	−3.777	−3.951	2.062**	1.550**	2.034***
	(10.491)	(10.312)	(10.299)	(0.838)	(0.725)	(0.761)
Implied price elasticity						
Estimate				−1.388*	−11.734***	−4.612*
				(0.808)	(0.958)	(2.443)
1st stage information (Excluded instrument: Applicable price)						
F-statistics of instrument			288.802			282.264
Wu-Hausman test, p-value						
Num.Obs.	2004	2004	2004	7671	7671	7671

Notes: * p $<$ 0.1, ** p $<$ 0.05, *** p $<$ 0.01. Standard errors clustered at household level are in parentheses. An outcome variable is logged value of the effective price. For estimation, model (1) use donors only (intensive-margin sample), and model

Bracket-Shifting

```
## # A tibble: 8 x 4
##    year          mu      var shift
##   <dbl>       <dbl>    <dbl> <int>
## 1  2010 NaN         NA           0
## 2  2011  -0.00197   0.00195   573
## 3  2012  -0.00237   0.00207   644
## 4  2013  -0.000662  0.00202   642
## 5  2014   0.00143   0.00508  1727
## 6  2015   0         0           0
## 7  2016   0         0           0
## 8  2017   0         0           0
```

Remove Bracket-Shifting Sample in 2011–2013

Table 5: First-Stage Models

	Effective price	
	Donors (Intensive-margin)	Donors and Non-donors (Extensive-margin)
	(1)	(2)
Excluded instruments		
Applicable price	0.702***	0.305***
	(0.051)	(0.025)
Covariates		
Log income	−0.262	−0.167***
	(0.168)	(0.049)
Num.Obs.	6555	25 694
RMSE	0.04	0.04

Notes: * $p < 0.1$, ** $p < 0.05$, *** $p < 0.01$. Standard errors clustered at household level are in parentheses. An outcome variable is logged value of the effective price. For estimation, model (1) use donors only (intensive-margin sample), and model (2) use not only donors but also non-donors (extensive-margin sample). In addition to logged income and wage earner dummy shown in table, covariates consist of squared age (divided by 100), number of household members, a dummy that indicates having dependents, a set of dummies of industry a set of dummies of residential area, and individual and time fixed effects. Excluded instrument is a logged applicable price.

Remove Bracket-Shifting Sample in 2011–2013

Table 6: Estimation Results of Price Elasticities

	Log donation			Dummy of donor		
	FE		FE-2SLS	FE		FE-2SLS
	(1)	(2)	(3)	(4)	(5)	(6)
Applicable price (β_a)	−1.217***			−0.216***		
	(0.443)			(0.079)		
Effective price (β_e^{FE})		−0.830***			−2.935***	
		(0.312)			(0.090)	
Effective price (β_e^{IV})			−1.735***			−0.710***
			(0.633)			(0.241)
Log income	1.030	0.928	0.576	1.653***	0.879***	1.534***
	(1.508)	(1.484)	(1.514)	(0.246)	(0.240)	(0.237)
Implied price elasticity						
Estimate				−0.938***	−12.727***	−3.080***
				(0.344)	(0.390)	(1.045)
1st stage information (Excluded instrument: Applicable price)						
F-statistics of instrument			896.756			1299.783
Wu-Hausman test, p-value			0.033			< 0.001
Num.Obs.	6555	6555	6555	25 694	25 694	25 694

Notes: * p < 0.1, ** p < 0.05, *** p < 0.01. Standard errors clustered at household level are in parentheses. An outcome variable is logged value of the effective price. For estimation, model (1) use donors only (intensive-margin sample), and model

Appendix

Full-sample analysis: Stage 1

Table 7: First-Stage Models

	Effective price	
	Donors (Intensive-margin)	Donors and Non-donors (Extensive-margin)
	(1)	(2)
Excluded instruments		
Applicable price	0.694***	0.299***
	(0.038)	(0.019)
Covariates		
Log income	−0.225	−0.071
	(0.147)	(0.047)
Num.Obs.	7776	30 252
RMSE	0.05	0.04

Notes: * $p < 0.1$, ** $p < 0.05$, *** $p < 0.01$. Standard errors clustered at household level are in parentheses. An outcome variable is logged value of the effective price. For estimation, model (1) use donors only (intensive-margin sample), and model (2) use not only donors but also non-donors (extensive-margin sample). In addition to logged income and wage earner dummy shown in table, covariates consist of squared age (divided by 100), number of household members, a dummy that indicates having dependents, a set of dummies of industry a set of dummies of residential area, and individual and time fixed effects. Excluded instrument is a logged applicable price.

Full-sample analysis: Stage 2

Table 8: Estimation Results of Price Elasticities

	Log donation			Dummy of donor		
	FE		FE-2SLS	FE		FE-2SLS
	(1)	(2)	(3)	(4)	(5)	(6)
Applicable price (β_a)	−1.082***			−0.184***		
	(0.332)			(0.058)		
Effective price (β_e^{FE})		−0.641**			−2.729***	
		(0.255)			(0.073)	
Effective price (β_e^{IV})			−1.560***			−0.617***
			(0.486)			(0.182)
Log income	1.629	1.862	1.277	1.464***	0.675***	1.420***
	(1.347)	(1.334)	(1.348)	(0.209)	(0.190)	(0.202)
Implied price elasticity						
Estimate				−0.791***	−11.717***	−2.647***
				(0.250)	(0.314)	(0.782)
1st stage information (Excluded instrument: Applicable price)						
F-statistics of instrument			1401.509			1812.348
Wu-Hausman test, p-value			0.004			< 0.001
Num.Obs.	7776	7776	7776	30 252	30 252	30 252

Notes: * p < 0.1, ** p < 0.05, *** p < 0.01. Standard errors clustered at household level are in parentheses. An outcome variable is logged value of the effective price. For estimation, model (1) use donors only (intensive-margin sample), and model