### DiD-Placebo

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### Diff-in-Diff Placebo

$$Y_{it} = \beta_0(Treatment_{it} * Placebo_{it}) + \beta_1 X_{it} + \alpha_i + \gamma_t + \varepsilon_{it}$$
(1)

where i stands for municipality and t for month.  $Y_{it}$  is one of the outcome variables of interest.  $Treatment_{it}$  is a dummy variable equal to one if the municipality is in the treatment group and zero if it is in the control group. Likewise,  $Placebo_{it}$  is a dummy variable that is equal to one if the month is greater than November 2010, the **fake** date of the merge between Shell and Cosan.  $\alpha_i$  and  $\gamma_t$  are municipality and month-year fixed effects, respectively. Finally,  $X_{it}$  is a vector of control variables.

Sample is restricted until the date of the merger.

#### Both as treatment, Just One and None as control

Dependent Variable:	Gas retail price					
Model:	(1)	(2)	(3)	(4)	(5)	(6)
Variables						
Placebo $\times$ Both	$0.0190^{***}$	0.0180***	0.0181***	0.0181***	0.0181***	-0.1479
T . 1.0	(0.0037)	(0.0038)	(0.0039)	(0.0039)	(0.0039)	(0.0970)
Total fleet		$2.39 \times 10^{-7**}$	$2.29 \times 10^{-7}$	$2.3 \times 10^{-7}$	$2.3 \times 10^{-7}$	$2.79 \times 10^{-7}$
Population		$(1.14 \times 10^{-7})$	$(2.16 \times 10^{-7})$ $1.39 \times 10^{-8}$	$(2.16 \times 10^{-7}) \\ 1 \times 10^{-8}$	$(2.16 \times 10^{-7})$ $9.72 \times 10^{-9}$	$(2.33 \times 10^{-7}) \\ 6.9 \times 10^{-7*}$
1 opulation			$(1.5 \times 10^{-7})$	$(1.51 \times 10^{-7})$		
GDP per capita			,	$6.85 \times 10^{-5}$	$6.86 \times 10^{-5}$	$9.3 \times 10^{-5}$
				(0.0003)	(0.0003)	(0.0003)
HHI					$-5.59 \times 10^{-8}$	
D /1 /D: DD					$(2.49 \times 10^{-6})$	,
Both $\times$ Time FE						Yes
Fixed-effects						
Municipality	Yes	Yes	Yes	Yes	Yes	Yes
Month-Year	Yes	Yes	Yes	Yes	Yes	Yes
Fit statistics						
Observations	8,159	8,052	8,024	8,010	8,010	8,010
$\mathbb{R}^2$	0.94007	0.93987	0.93968	0.93967	0.93967	0.94114
Within R <sup>2</sup>	0.01222	0.01416	0.01430	0.01427	0.01427	0.03829

Clustered (Municipality) standard-errors in parentheses

Signif. Codes: \*\*\*: 0.01, \*\*: 0.05, \*: 0.1

Dependent Variable:			Ethane	ol retail price		
Model:	(1)	(2)	(3)	(4)	(5)	(6)
Variables						
Placebo $\times$ Both	0.0524***	0.0549***	0.0536***	0.0541***	$0.0540^{***}$	-0.2879**
T . 1.0	(0.0076)	(0.0079)	(0.0079)	(0.0078)	(0.0078)	(0.1308)
Total fleet		$-3.23 \times 10^{-7}$	$2.2 \times 10^{-7}$	$2.19 \times 10^{-7}$	$2.16 \times 10^{-7}$	$5.99 \times 10^{-7}$
Population		$(3.51 \times 10^{-7})$	$(2.13 \times 10^{-7}) -7.16 \times 10^{-7***}$	$(2.13 \times 10^{-7}) \\ -6.84 \times 10^{-7***}$	$(2.13 \times 10^{-7}) \\ -6.61 \times 10^{-7***}$	$(3.38 \times 10^{-7})$ $5.79 \times 10^{-7}$
1 opulation			$(2.11 \times 10^{-7})$	$(2.13 \times 10^{-7})$	$(2.11 \times 10^{-7})$	$(6.61 \times 10^{-7})$
GDP per capita			(==== /	-0.0006	-0.0006	-0.0005
				(0.0007)	(0.0007)	(0.0007)
HHI					$4.7 \times 10^{-6}$	$4.93 \times 10^{-6}$
D 11 (F) DD					$(4.86 \times 10^{-6})$	$(4.69 \times 10^{-6})$
Both $\times$ Time FE						Yes
Fixed-effects						
Municipality	Yes	Yes	Yes	Yes	Yes	Yes
Month-Year	Yes	Yes	Yes	Yes	Yes	Yes
$Fit\ statistics$						
Observations	7,956	7,851	$7,\!823$	7,809	7,809	7,809
$\mathbb{R}^2$	0.88508	0.88512	0.88491	0.88483	0.88487	0.89416
Within $\mathbb{R}^2$	0.01835	0.01960	0.02111	0.02171	0.02210	0.10101

Signif. Codes: \*\*\*: 0.01, \*\*: 0.05, \*: 0.1

Dependent Variable:	Gas wholesale price					
Model:	(1)	(2)	(3)	(4)	(5)	(6)
Variables						
Placebo $\times$ Both	$0.0070^{***}$	0.0068**	0.0068**	$0.0067^{**}$	$0.0067^{**}$	0.2477
	(0.0026)	(0.0027)	(0.0028)	(0.0028)	(0.0028)	(0.2092)
Total fleet		$6.03 \times 10^{-8}$	$8.75 \times 10^{-8}$	$8.42 \times 10^{-8}$	$8.54 \times 10^{-8}$	$2.72 \times 10^{-7}$
Donulation		$(4.75 \times 10^{-8})$	$(1.2 \times 10^{-7})$ $-3.53 \times 10^{-8}$	$(1.16 \times 10^{-7}) -7.65 \times 10^{-8}$	$(1.16 \times 10^{-7}) -8.21 \times 10^{-8}$	$(2.07 \times 10^{-7}) \\ -1.24 \times 10^{-6}$
Population			$-3.33 \times 10$ $(1.29 \times 10^{-7})$	$(1.36 \times 10^{-7})$	$(1.39 \times 10^{-7})$	$(1.08 \times 10^{-6})$
GDP per capita			(1.20 × 10 )	0.0009**	0.0009**	0.0008**
1 1				(0.0004)	(0.0004)	(0.0004)
HHI					$-1.08 \times 10^{-6}$	$-8.44 \times 10^{-7}$
					$(1.55 \times 10^{-6})$	/
Both $\times$ Time FE						Yes
Fixed-effects						
Municipality	Yes	Yes	Yes	Yes	Yes	Yes
Month-Year	Yes	Yes	Yes	Yes	Yes	Yes
Fit statistics						
Observations	$6,\!474$	$6,\!388$	$6,\!360$	6,346	6,346	6,346
$\mathbb{R}^2$	0.93695	0.93664	0.93617	0.93645	0.93647	0.93779
Within R <sup>2</sup>	0.00424	0.00476	0.00489	0.00906	0.00931	0.02997

Dependent Variable:			Ethanol	wholesale price		
Model:	(1)	(2)	(3)	(4)	(5)	(6)
Variables						
Placebo $\times$ Both	0.0346***	0.0413***	0.0385***	0.0385***	0.0382***	-0.0084
	(0.0074)	(0.0079)	(0.0075)	(0.0075)	(0.0074)	(0.1642)
Total fleet		$-9.92 \times 10^{-7}$	$1.27 \times 10^{-7}$	$1.22 \times 10^{-7}$	$1.15 \times 10^{-7}$	$3.61 \times 10^{-7}$
D1-4:		$(6 \times 10^{-7})$	$(1.63 \times 10^{-7})$ $-1.48 \times 10^{-6***}$	$(1.64 \times 10^{-7})$ $-1.51 \times 10^{-6***}$	$(1.64 \times 10^{-7})$ $-1.45 \times 10^{-6***}$	$(1.89 \times 10^{-7})$
Population			$-1.48 \times 10^{-7}$ $(1.13 \times 10^{-7})$	$-1.51 \times 10^{-7}$ $(1.2 \times 10^{-7})$	$-1.45 \times 10^{-7}$ $(1.25 \times 10^{-7})$	$-1.41 \times 10^{-6}$ $(8.05 \times 10^{-7})$
GDP per capita			(1.13 × 10 )	0.0008	0.0008	0.0008
ODI per cupitu				(0.0008)	(0.0007)	(0.0007)
ННІ				(0.000)	$1.41 \times 10^{-5}$	$1.3 \times 10^{-5}$
					$(1.04 \times 10^{-5})$	$(1.04 \times 10^{-5})$
Both $\times$ Time FE						Yes
Fixed-effects						
Municipality	Yes	Yes	Yes	Yes	Yes	Yes
Month-Year	Yes	Yes	Yes	Yes	Yes	Yes
Fit statistics						
Observations	6,085	6,017	5,989	5,975	5,975	5,975
$\mathbb{R}^2$	0.91017	0.91065	0.91127	0.91098	0.91128	0.91541
Within $\mathbb{R}^2$	0.01077	0.02100	0.03167	0.03210	0.03528	0.08025

Signif. Codes: \*\*\*: 0.01, \*\*: 0.05, \*: 0.1

Dependent Variable:			ln(Gas	retail price)		
Model:	(1)	(2)	(3)	(4)	(5)	(6)
$\overline{Variables}$						
Placebo $\times$ Both	0.0075***	$0.0071^{***}$	$0.0072^{***}$	$0.0072^{***}$	$0.0072^{***}$	-0.0591
	(0.0014)	(0.0015)	(0.0015)	(0.0015)	(0.0015)	(0.0374)
Total fleet		$9.24 \times 10^{-8**}$	$8.92 \times 10^{-8}$	$8.95 \times 10^{-8}$	$8.95 \times 10^{-8}$	$1.09 \times 10^{-7}$
Population		$(4.44 \times 10^{-8})$	$(8.43 \times 10^{-8})$ $4.33 \times 10^{-9}$	$(8.43 \times 10^{-8})$ $3.2 \times 10^{-9}$	$(8.43 \times 10^{-8})$ $3.13 \times 10^{-9}$	$(9.11 \times 10^{-8}) $ $2.76 \times 10^{-7*}$
1 opulation			$(5.87 \times 10^{-8})$	$(5.9 \times 10^{-8})$	$(5.93 \times 10^{-8})$	
GDP per capita			(0.01 / 10 )	$1.87 \times 10^{-5}$	$1.87 \times 10^{-5}$	$2.85 \times 10^{-5}$
				(0.0001)	(0.0001)	(0.0001)
HHI						$-2.59 \times 10^{-8}$
					$(9.33 \times 10^{-7})$	$(9.43 \times 10^{-7})$
Both $\times$ Time FE						Yes
Fixed-effects						
Municipality	Yes	Yes	Yes	Yes	Yes	Yes
Month-Year	Yes	Yes	Yes	Yes	Yes	Yes
Fit statistics						
Observations	8,159	8,052	8,024	8,010	8,010	8,010
$\mathbb{R}^2$	0.93533	0.93504	0.93483	0.93482	0.93482	0.93646
Within $\mathbb{R}^2$	0.01289	0.01483	0.01499	0.01494	0.01494	0.03975

Dependent Variable:			ln(Ethai	nol retail price)		
Model:	(1)	(2)	(3)	(4)	(5)	(6)
Variables						
Placebo $\times$ Both	0.0323***	0.0340***	0.0333***	0.0335***	0.0335***	-0.1492*
T . 1.0	(0.0046)	(0.0048)	(0.0048)	(0.0048)	(0.0047)	(0.0900)
Total fleet			$7.29 \times 10^{-8}$	$7.3 \times 10^{-8}$	$7.14 \times 10^{-8}$	$3.07 \times 10^{-7}$
Danulation		$(1.92 \times 10^{-7})$	$(1.13 \times 10^{-7}) \\ -3.84 \times 10^{-7***}$	$(1.14 \times 10^{-7})$ $-3.68 \times 10^{-7***}$	$(1.13 \times 10^{-7})$ $-3.56 \times 10^{-7***}$	$(1.92 \times 10^{-7})$ $2.86 \times 10^{-7}$
Population			$-3.84 \times 10^{-7}$ $(1.15 \times 10^{-7})$	$-3.08 \times 10^{-7}$ $(1.16 \times 10^{-7})$	$-3.50 \times 10$ $(1.15 \times 10^{-7})$	$(4.64 \times 10^{-7})$
GDP per capita			(1.10 × 10 )	-0.0003	-0.0003	-0.0003
r				(0.0004)	(0.0004)	(0.0004)
HHI				,	$2.43 \times 10^{-6}$	$2.6 \times 10^{-6}$
					$(2.61 \times 10^{-6})$	$(2.5 \times 10^{-6})$
Both $\times$ Time FE						Yes
Fixed-effects						
Municipality	Yes	Yes	Yes	Yes	Yes	Yes
Month-Year	Yes	Yes	Yes	Yes	Yes	Yes
Fit statistics						
Observations	$7,\!956$	7,851	7,823	7,809	7,809	7,809
$\mathbb{R}^2$	0.87208	0.87228	0.87208	0.87187	0.87191	0.88259
Within $\mathbb{R}^2$	0.02020	0.02181	0.02312	0.02355	0.02386	0.10525

Signif. Codes: \*\*\*: 0.01, \*\*: 0.05, \*: 0.1

Dependent Variable:			ln(Gas w	holesale price)		
Model:	(1)	(2)	(3)	(4)	(5)	(6)
$\overline{Variables}$						
Placebo $\times$ Both	0.0033***	0.0032***	0.0032***	0.0032***	0.0032***	0.1091
	(0.0011)	(0.0012)	(0.0012)	(0.0012)	(0.0012)	(0.0906)
Total fleet		$2.68 \times 10^{-8}$	$3.93 \times 10^{-8}$	$3.79 \times 10^{-8}$	$3.84 \times 10^{-8}$	$1.21 \times 10^{-7}$
Population		$(2.04 \times 10^{-8})$	$(5.2 \times 10^{-8})$ $-1.62 \times 10^{-8}$	$(5.01 \times 10^{-8})$ $-3.4 \times 10^{-8}$	$(5.02 \times 10^{-8})$ $-3.63 \times 10^{-8}$	$(8.99 \times 10^{-8})$ $-5.46 \times 10^{-7}$
1 opaiation			$(5.57 \times 10^{-8})$	$(5.88 \times 10^{-8})$	$(6 \times 10^{-8})$	$(4.7 \times 10^{-7})$
GDP per capita			,	0.0004*	0.0004*	0.0003**
				(0.0002)	(0.0002)	(0.0002)
HHI					$-4.44 \times 10^{-7}$	$-3.4 \times 10^{-7}$
D (1 TH DD					$(6.77 \times 10^{-7})$	$(6.11 \times 10^{-7})$
$\frac{\text{Both} \times \text{Time FE}}{}$						Yes
Fixed-effects						
Municipality	Yes	Yes	Yes	Yes	Yes	Yes
Month-Year	Yes	Yes	Yes	Yes	Yes	Yes
$Fit\ statistics$						
Observations	$6,\!474$	$6,\!388$	6,360	6,346	6,346	$6,\!346$
$\mathbb{R}^2$	0.93675	0.93642	0.93593	0.93621	0.93622	0.93763
Within R <sup>2</sup>	0.00494	0.00550	0.00563	0.00960	0.00982	0.03173

Dependent Variable:	ln(Ethanol wholesale price)					
Model:	(1)	(2)	(3)	(4)	(5)	(6)
Variables						
Placebo $\times$ Both	$0.0262^{***}$	0.0310***	0.0291***	0.0290***	0.0288***	0.0345
	(0.0055)	(0.0058)	(0.0056)	(0.0056)	(0.0055)	$(0.1387)_{7.1}$
Total fleet		$-6.79 \times 10^{-7}$	$6.2 \times 10^{-8}$	$5.97 \times 10^{-8}$	$5.53 \times 10^{-8}$	$2.57 \times 10^{-7**}$
Dl-4:		$(3.98 \times 10^{-7})$	$(1.11 \times 10^{-7}) \\ -9.78 \times 10^{-7***}$	$(1.11 \times 10^{-7}) \\ -1 \times 10^{-6***}$	$(1.11 \times 10^{-7}) \\ -9.64 \times 10^{-7***}$	$(1.29 \times 10^{-7})$ $-1.12 \times 10^{-6}$ *
Population			$-9.78 \times 10^{-8}$ $(7.06 \times 10^{-8})$	$(7.68 \times 10^{-8})$	$-9.64 \times 10$ $(8.07 \times 10^{-8})$	$-1.12 \times 10^{-7}$ $(6.73 \times 10^{-7})$
GDP per capita			(1.00 × 10 )	0.0005	0.0005	0.0005
0 F				(0.0006)	(0.0006)	(0.0005)
HHI				,	$8.35 \times 10^{-6}$	$7.66 \times 10^{-6}$
					$(6.27 \times 10^{-6})$	$(6.25 \times 10^{-6})$
Both $\times$ Time FE						Yes
Fixed-effects						
Municipality	Yes	Yes	Yes	Yes	Yes	Yes
Month-Year	Yes	Yes	Yes	Yes	Yes	Yes
Fit statistics						
Observations	6,085	6,017	5,989	5,975	5,975	5,975
$\mathbb{R}^2$	0.90134	0.90194	0.90258	0.90231	0.90253	0.90730
Within R <sup>2</sup>	0.01211	0.02180	0.03109	0.03138	0.03357	0.08083

Signif. Codes: \*\*\*: 0.01, \*\*: 0.05, \*: 0.1

Dependent Variable:			Total nu	mber of stations		
Model:	(1)	(2)	(3)	(4)	(5)	(6)
Variables						
Placebo $\times$ Both	2.143***	-1.345***	-0.9712***	-0.9728***	-0.9707***	1.797
Total fleet	(0.5802)	(0.1860) $0.0004***$	(0.1866) $0.0003***$	(0.1867) $0.0003***$	(0.1859) $0.0003***$	$(2.639)$ $0.0003^{***}$
Population		$(1.66 \times 10^{-5})$	$(3.5 \times 10^{-5})  2.95 \times 10^{-5**}$	$(3.51 \times 10^{-5})  2.98 \times 10^{-5**}$	$(3.46 \times 10^{-5})$ $2.93 \times 10^{-5**}$	$(3.47 \times 10^{-5})$ $3.03 \times 10^{-5***}$
GDP per capita			$(1.27 \times 10^{-5})$	$\begin{array}{c} (1.27 \times 10^{-5}) \\ 0.0161^* \end{array}$	$(1.22 \times 10^{-5}) \\ 0.0137$	
ННІ				(0.0097)	(0.0085) -0.0001***	(0.0082) $-0.0001***$
Both $\times$ Time FE					$(2.05 \times 10^{-5})$	$(1.92 \times 10^{-5})$ Yes
Fixed-effects						
Municipality	Yes	Yes	Yes	Yes	Yes	Yes
Month-Year	Yes	Yes	Yes	Yes	Yes	Yes
Fit statistics						
Observations	73,076	71,586	71,406	71,336	71,336	71,336
$\mathbb{R}^2$	0.99140	0.99914	0.99922	0.99922	0.99924	0.99926
Within R <sup>2</sup>	0.00599	0.90044	0.90135	0.90216	0.90397	0.90654

Dependent Variable:		Number of main distributors				
Model:	(1)	(2)	(3)	(4)	(5)	(6)
Variables						
Placebo $\times$ Both	$0.1659^{***}$	0.0281	0.0401	0.0394	0.0434	1.727***
	(0.0345)	(0.0333)	(0.0381)	(0.0373)	(0.0282)	(0.2086)
Total fleet		$1.58 \times 10^{-5***}$	$1.33 \times 10^{-5*}$	$1.24 \times 10^{-5*}$	$7.73 \times 10^{-6}$	$-3 \times 10^{-7}$
Donulation		$(3.8 \times 10^{-6})$	$(6.82 \times 10^{-6})$ $1.34 \times 10^{-6}$	$(6.7 \times 10^{-6})$ $1.48 \times 10^{-6}$	$(4.55 \times 10^{-6})$ $5.6 \times 10^{-7}$	$(3.53 \times 10^{-6})$ $1.62 \times 10^{-6}$
Population			$(2.69 \times 10^{-6})$	$(2.68 \times 10^{-6})$	$(1.47 \times 10^{-6})$	$(8.31 \times 10^{-7})$
GDP per capita			(2.00 × 10 )	0.0074	0.0026	0.0019
				(0.0054)	(0.0029)	(0.0027)
HHI					-0.0002***	-0.0002***
					$(5.52 \times 10^{-6})$	` /
Both $\times$ Time FE						Yes
$Fixed\mbox{-}effects$						
Municipality	Yes	Yes	Yes	Yes	Yes	Yes
Month-Year	Yes	Yes	Yes	Yes	Yes	Yes
$Fit\ statistics$						
Observations	73,830	72,326	72,146	72,076	72,076	72,076
$\mathbb{R}^2$	0.91984	0.92732	0.92769	0.92853	0.96751	0.97015
Within R <sup>2</sup>	0.00260	0.10184	0.10602	0.11740	0.59876	0.63134

 $Clustered\ (Municipality)\ standard\text{-}errors\ in\ parentheses$ 

Signif. Codes: \*\*\*: 0.01, \*\*: 0.05, \*: 0.1

Dependent Variable:			Number of	other distributors	,	
Model:	(1)	(2)	(3)	(4)	(5)	(6)
Variables						
Placebo $\times$ Both	0.2921**	-0.1245	$-0.2252^*$	-0.2261*	$-0.2242^*$	3.009**
	(0.1304)	(0.1151)	(0.1233)	(0.1224)	(0.1202)	(1.287)
Total fleet		$4.81 \times 10^{-5***}$	$6.82 \times 10^{-5***}$	$6.69 \times 10^{-5***}$	$6.46 \times 10^{-5***}$	$4.93 \times 10^{-5**}$
Population		$(1.39 \times 10^{-5})$	$(2.35 \times 10^{-5})$ $-6.69 \times 10^{-6}$	$(2.34 \times 10^{-5})$ $-6.49 \times 10^{-6}$	$(2.28 \times 10^{-5})$ $-6.92 \times 10^{-6}$	$(2.09 \times 10^{-5})$ $-4.96 \times 10^{-6}$
1 opulation			$(6.24 \times 10^{-6})$	$-0.49 \times 10$ $(6.22 \times 10^{-6})$	$-0.92 \times 10$ $(5.77 \times 10^{-6})$	$(4.6 \times 10^{-6})$
GDP per capita			(0.21 × 10 )	0.0106**	0.0083*	0.0069*
				(0.0052)	(0.0044)	(0.0039)
HHI					-0.0001***	-0.0001***
					$(1.83 \times 10^{-5})$	'
Both $\times$ Time FE						Yes
Fixed-effects						
Municipality	Yes	Yes	Yes	Yes	Yes	Yes
Month-Year	Yes	Yes	Yes	Yes	Yes	Yes
Fit statistics						
Observations	73,830	$72,\!326$	$72,\!146$	72,076	72,076	72,076
$\mathbb{R}^2$	0.91145	0.92097	0.92067	0.92093	0.92211	0.92354
Within $R^2$	0.00097	0.11141	0.11934	0.12216	0.13529	0.15118

 ${\it Clustered~(Municipality)~standard\text{-}errors~in~parentheses}$ 

Signif. Codes: \*\*\*: 0.01, \*\*: 0.05, \*: 0.1

Dependent Variable:		Share of independent stations					
Model:	(1)	(2)	(3)	(4)	(5)	(6)	
Variables							
Placebo $\times$ Both	-0.0115**	-0.0023	-0.0059	-0.0058	-0.0059	-0.1611	
T . 1.0	(0.0052)	(0.0053)	(0.0061)	(0.0060)	(0.0059)	(0.1080)	
Total fleet		$-1.09 \times 10^{-6}$		$-2.01 \times 10^{-7}$	$-6.82 \times 10^{-8}$	$6.96 \times 10^{-7} $ $(1.07 \times 10^{-6})$	
Population		$(0.76 \times 10^{-4})$	$(9.8 \times 10^{-7})$ $-3.58 \times 10^{-7}$	$(9.69 \times 10^{-7})$ $-3.78 \times 10^{-7}$ *	$(9.45 \times 10^{-7}) \\ -3.53 \times 10^{-7}$	$(1.07 \times 10^{-9})$ $-4.56 \times 10^{-7*}$	
1 opulation				$(2.29 \times 10^{-7})$	$(2.17 \times 10^{-7})$	$(2.42 \times 10^{-7})$	
GDP per capita			( )	-0.0009	-0.0008	-0.0007	
				(0.0006)	(0.0005)	(0.0005)	
HHI					$6.59 \times 10^{-6**}$	$6.06 \times 10^{-6**}$	
D-41- v Ti EE					$(2.71 \times 10^{-6})$	$(2.72 \times 10^{-6})$	
Both $\times$ Time FE						Yes	
Fixed-effects							
Municipality	Yes	Yes	Yes	Yes	Yes	Yes	
Month-Year	Yes	Yes	Yes	Yes	Yes	Yes	
Fit statistics							
Observations	73,076	$71,\!586$	71,406	$71,\!336$	$71,\!336$	71,336	
$\mathbb{R}^2$	0.94107	0.94060	0.94097	0.94125	0.94165	0.94195	
Within R <sup>2</sup>	0.00022	0.00851	0.01179	0.01471	0.02135	0.02643	

Signif. Codes: \*\*\*: 0.01, \*\*: 0.05, \*: 0.1

Dependent Variable:			T	otal volume		
Model:	(1)	(2)	(3)	(4)	(5)	(6
Variables						
Placebo $\times$ Both	$1.21 \times 10^{11***}$	$1.62 \times 10^{10}$	$2.74 \times 10^{10}$	$2.68 \times 10^{10}$	$3.01 \times 10^{10*}$	$1.11 \times 1$
	$(2.47 \times 10^{10})$	$(2.27 \times 10^{10})$	$(2.58 \times 10^{10})$	$(2.51 \times 10^{10})$	$(1.75 \times 10^{10})$	$(1.29 \times$
Total fleet		11,982,672.8***	9,625,148.3**	$8,844,804.5^*$	$5,085,155.5^*$	-77,3
		(2,453,413.3)	(4,645,771.8)	(4,537,585.8)	(2,716,740.3)	(1,915,
Population			$1,\!139,\!788.5$	1,258,918.6	517,937.5	1,203,0
			(1,930,789.1)	(1,921,404.2)	(934,001.5)	(500,5)
GDP per capita				-2,147,483,648.1*	-2,147,483,648.4	1,913,43
				(-2,147,483,648.9)	(1,454,708,505.5)	(1,342,22)
HHI					-189,505,911.0***	-185,912,
					(2,922,436.3)	(2,526,
Both $\times$ Time FE						Ye
Fixed-effects						
Municipality	Yes	Yes	Yes	Yes	Yes	Ye
Month-Year	Yes	Yes	Yes	Yes	Yes	Ye
Fit statistics						
Observations	73,830	72,326	72,146	72,076	72,076	72,0
$\mathbb{R}^2$	$0.9\overline{1693}$	0.92584	0.92612	0.92736	0.97898	0.98

0.11756

0.13339

0.74919

0.77

 ${\it Clustered~(Municipality)~standard\text{-}errors~in~parentheses}$ 

0.00272

Signif. Codes: \*\*\*: 0.01, \*\*: 0.05, \*: 0.1

Within  $\mathbb{R}^2$ 

Dependent Variable:			Gas v	olume		
Model:	(1)	(2)	(3)	(4)	(5)	(6)
Variables						
Placebo $\times$ Both	431,449.4***	90,519.2***	173,657.9***	173,621.2***	173,632.9***	-94,618.7
	(64,242.1)	(33,615.3)	(41,387.7)	(41,377.4)	(41,402.2)	(283,024.3)
Total fleet		39.91***	22.71***	22.66***	22.64***	23.95***
Donulation		(3.876)	(6.887) $6.546***$	(6.929) $6.555****$	(6.959) $6.552***$	(7.968) $6.292***$
Population			(1.782)	(1.787)	(1.780)	(1.925)
GDP per capita			(1.102)	452.6	438.8	517.7
1 1				(507.1)	(483.4)	(461.5)
HHI				,	-0.6766	-1.023
					(1.939)	(1.505)
Both $\times$ Time FE						Yes
Fixed-effects						
Municipality	Yes	Yes	Yes	Yes	Yes	Yes
Month-Year	Yes	Yes	Yes	Yes	Yes	Yes
Fit statistics						
Observations	73,830	$72,\!326$	$72,\!146$	72,076	72,076	72,076
$\mathbb{R}^2$	0.98644	0.99371	0.99408	0.99408	0.99408	0.99437
Within R <sup>2</sup>	0.01490	0.54281	0.54518	0.54523	0.54523	0.56743

Dependent Variable:			Ethanol	volume		
Model:	(1)	(2)	(3)	(4)	(5)	(6)
Variables						
Placebo $\times$ Both	151,183.2***	-46,035.7	-194,319.1*	-194,184.1*	$-194,\!258.2^*$	-901,743.5
	(41,607.5)	(45,136.4)	(103,855.0)	(103,820.2)	(103,880.8)	(759, 870.3)
Total fleet		23.00***	53.74***	53.95***	54.03***	54.05***
Population		(5.580)	(18.49) -11.76**	(18.60) -11.79**	(18.65) -11.78**	(20.68) -11.47**
GDP per capita			(5.788)	(5.801) -1,653.6	(5.782) -1,565.7	(5.833) -1,260.5
ННІ				(1,183.1)	$   \begin{array}{c}     (1,109.9) \\     4.284 \\     (4.261)   \end{array} $	$ \begin{array}{c} (813.3) \\ 2.350 \\ (2.745) \end{array} $
Both $\times$ Time FE					(4.201)	Yes
Fixed-effects						
Municipality	Yes	Yes	Yes	Yes	Yes	Yes
Month-Year	Yes	Yes	Yes	Yes	Yes	Yes
Fit statistics						
Observations	73,830	72,326	72,146	72,076	72,076	72,076
$\mathbb{R}^2$	0.96809	0.97231	0.97442	0.97443	0.97443	0.97551
Within R <sup>2</sup>	0.00138	0.13368	0.19500	0.19536	0.19546	0.22943

Clustered (Municipality) standard-errors in parentheses Signif. Codes: \*\*\*: 0.01, \*\*: 0.05, \*: 0.1

8

Dependent Variable:			Diesel v	volume		
Model:	(1)	(2)	(3)	(4)	(5)	(6)
Variables						
Placebo $\times$ Both	$123,\!225.7^{**}$	-102,100.8***	-107,118.1**	-107,149.2**	-106,825.1**	659,926.7
Total fleet	(49,674.9)	$(39,105.8)$ $26.15^{***}$	$(54,496.4)$ $27.51^{***}$	(54,457.9) $27.34***$	(54,437.5) $26.96***$	$(411,734.4)$ $22.34^{**}$
Population		(5.654)	(10.10) $-0.9713$	(10.14) -0.9444	(10.16) -1.018	(10.79) -0.2903
GDP per capita			(2.143)	(2.146) $1,378.4$	(2.097) $993.8$	(2.072) $722.4$
нні				(1,077.0)	(886.7) -18.74***	(772.3) -16.23***
Both $\times$ Time FE					(5.449)	(5.327) Yes
$Fixed\mbox{-}effects$						
Municipality	Yes	Yes	Yes	Yes	Yes	Yes
Month-Year	Yes	Yes	Yes	Yes	Yes	Yes
Fit statistics						
Observations	73,830	72,326	72,146	72,076	72,076	72,076
$\mathbb{R}^2$	0.95142	0.97302	0.97352	0.97354	0.97379	0.97524
Within R <sup>2</sup>	0.00238	0.44803	0.41067	0.41142	0.41688	0.44928

Dependent Variable:			ln(Tota	al volume)		
Model:	(1)	(2)	(3)	(4)	(5)	(6)
Variables						
Placebo $\times$ Both	0.0545***	-0.0027	0.0048	0.0044	0.0072	$0.2992^{***}$
	(0.0120)	(0.0111)	(0.0126)	(0.0121)	(0.0046)	(0.0339)
Total fleet		$6.58 \times 10^{-6***}$	$5.01 \times 10^{-6**}$	$4.51 \times 10^{-6*}$	$1.39 \times 10^{-6*}$	$-4.43 \times 10^{-9}$
Donulation		$(1.18 \times 10^{-6})$	$(2.46 \times 10^{-6})$ $7.11 \times 10^{-7}$	$(2.4 \times 10^{-6})$ $7.86 \times 10^{-7}$	$(7.58 \times 10^{-7})$ $1.71 \times 10^{-7}$	$(5.27 \times 10^{-7})$ $3.56 \times 10^{-7**}$
Population			$(1.12 \times 10^{-6})$	$(1.12 \times 10^{-6})$	$(2.73 \times 10^{-7})$	$(1.53 \times 10^{-7})$
GDP per capita			(1.12 × 10 )	0.0039*	0.0007	0.0006
0 P				(0.0021)	(0.0004)	(0.0004)
HHI				,	-0.0002***	-0.0002***
					$(9.19 \times 10^{-7})$	$(8.26 \times 10^{-7})$
Both $\times$ Time FE						Yes
Fixed-effects						
Municipality	Yes	Yes	Yes	Yes	Yes	Yes
Month-Year	Yes	Yes	Yes	Yes	Yes	Yes
Fit statistics						
Observations	73,830	$72,\!326$	$72,\!146$	72,076	72,076	72,076
$\mathbb{R}^2$	0.89474	0.90130	0.90157	0.90279	0.99465	0.99507
Within $R^2$	0.00113	0.06979	0.07083	0.08365	0.94955	0.95350

$ \begin{array}{ccc}  & (2) \\  & *** & -0.0629** \\  & (0.0259) \\  & 2.49 \times 10^{-5***} \\  & (3.42 \times 10^{-6}) \end{array} $	$(3)$ $-0.0236$ $(0.0302)$ $1.67 \times 10^{-5**}$ $(7.22 \times 10^{-6})$ $3.51 \times 10^{-6}$ $(3.5 \times 10^{-6})$	$ \begin{array}{c} -0.0246 \\ (0.0293) \\ 1.56 \times 10^{-5**} \\ (7.1 \times 10^{-6}) \\ 3.68 \times 10^{-6} \\ (2.5 \times 10^{-6}) \end{array} $	$ \begin{array}{c} -0.0228 \\ (0.0249) \\ 1.36 \times 10^{-5**} \\ (6 \times 10^{-6}) \\ 3.29 \times 10^{-6} \end{array} $	$ \begin{array}{c} 1.064^{***} \\ (0.2809) \\ 8.82 \times 10^{-6*} \\ (4.88 \times 10^{-6}) \\ 3.86 \times 10^{-6} \end{array} $
5) $(0.0259)$ $2.49 \times 10^{-5***}$	$ \begin{array}{c} (0.0302) \\ 1.67 \times 10^{-5**} \\ (7.22 \times 10^{-6}) \\ 3.51 \times 10^{-6} \end{array} $	$ \begin{array}{c} (0.0293) \\ 1.56 \times 10^{-5 **} \\ (7.1 \times 10^{-6}) \\ 3.68 \times 10^{-6} \end{array} $	$(0.0249)  1.36 \times 10^{-5**}  (6 \times 10^{-6})  3.29 \times 10^{-6}$	$(0.2809)  8.82 \times 10^{-6*}  (4.88 \times 10^{-6})$
5) $(0.0259)$ $2.49 \times 10^{-5***}$	$ \begin{array}{c} (0.0302) \\ 1.67 \times 10^{-5**} \\ (7.22 \times 10^{-6}) \\ 3.51 \times 10^{-6} \end{array} $	$ \begin{array}{c} (0.0293) \\ 1.56 \times 10^{-5 **} \\ (7.1 \times 10^{-6}) \\ 3.68 \times 10^{-6} \end{array} $	$(0.0249)  1.36 \times 10^{-5**}  (6 \times 10^{-6})  3.29 \times 10^{-6}$	$(0.2809)  8.82 \times 10^{-6*}  (4.88 \times 10^{-6})$
$2.49 \times 10^{-5***}$	$1.67 \times 10^{-5**}$ $(7.22 \times 10^{-6})$ $3.51 \times 10^{-6}$	$1.56 \times 10^{-5**}$ $(7.1 \times 10^{-6})$ $3.68 \times 10^{-6}$	$1.36 \times 10^{-5**}$ $(6 \times 10^{-6})$ $3.29 \times 10^{-6}$	$8.82 \times 10^{-6*} $ $(4.88 \times 10^{-6})$
	$(7.22 \times 10^{-6})$ $3.51 \times 10^{-6}$	$(7.1 \times 10^{-6})$ $3.68 \times 10^{-6}$	$(6 \times 10^{-6})$ $3.29 \times 10^{-6}$	$(4.88 \times 10^{-6})$
$(3.42 \times 10^{-6})$	$3.51 \times 10^{-6}$	$3.68 \times 10^{-6}$	$3.29 \times 10^{-6}$	,
				$3.86 \times 10^{-6}$
	$(3.5 \times 10^{-6})$			(0.40 10-6)
		'		$(2.43 \times 10^{-6}) \\ 0.0062^{**}$
				(0.0025)
		(0.0031)	\ /	$-9.74 \times 10^{-5***}$
				$(7.76 \times 10^{-6})$
			( ,	Yes
Yes	Yes	Yes	Yes	Yes
Yes	Yes	Yes	Yes	Yes
0 72,166	71,986	71,916	71,916	71,916
0.95549	0.95627	0.95731	0.96319	0.96418
36 0.26914	0.27635	0.29384	0.39118	0.40747
;	Yes  72,166 09 0.95549	Yes Yes Yes Yes Yes Yes Yes Yes Yes O9 0.95549 0.95627	0.0087** (0.0037)  S Yes Yes Yes Yes Yes Yes 30 72,166 71,986 71,916 09 0.95549 0.95627 0.95731	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$

Signif. Codes: \*\*\*: 0.01, \*\*: 0.05, \*: 0.1

Dependent Variable:			ln(Etha	anol volume)		
Model:	(1)	(2)	(3)	(4)	(5)	(6)
Variables						
Placebo $\times$ Both	$0.1352^{***}$	-0.0818**	-0.0724*	-0.0714*	-0.0671**	$1.526^{***}$
T . 1.0	(0.0377)	(0.0324)	(0.0384)	(0.0371)	(0.0336)	(0.4466)
Total fleet		$2.76 \times 10^{-5***}$	$2.57 \times 10^{-5***}$	$2.42 \times 10^{-5***}$	$2.19 \times 10^{-5***}$	$1.35 \times 10^{-5**}$
Population		$(4.61 \times 10^{-6})$	$(8.98 \times 10^{-6})$ $1.05 \times 10^{-6}$	$(8.72 \times 10^{-6})$ $1.29 \times 10^{-6}$	$(7.68 \times 10^{-6})$ $9.9 \times 10^{-7}$	$(6.15 \times 10^{-6})$ $2.21 \times 10^{-6}$
1 opulation			$(3.76 \times 10^{-6})$	$(3.73 \times 10^{-6})$	$(3.21 \times 10^{-6})$	$(2.53 \times 10^{-6})$
GDP per capita			(0.70 / 20 )	0.0135***	0.0106***	0.0099***
• •				(0.0035)	(0.0031)	(0.0029)
HHI					-0.0001***	-0.0001***
D. 1					$(1.21 \times 10^{-5})$	,
Both $\times$ Time FE						Yes
$Fixed\mbox{-}effects$						
Municipality	Yes	Yes	Yes	Yes	Yes	Yes
Month-Year	Yes	Yes	Yes	Yes	Yes	Yes
$Fit\ statistics$						
Observations	$60,\!595$	59,344	59,184	$59,\!116$	$59,\!116$	$59,\!116$
$\mathbb{R}^2$	0.91955	0.93291	0.93321	0.93440	0.93804	0.93928
Within $\mathbb{R}^2$	0.00116	0.16949	0.16662	0.18115	0.22655	0.24207

Dependent Variable:			ln(Dies	sel volume)		
Model:	(1)	(2)	(3)	(4)	(5)	(6)
Variables						
Placebo $\times$ Both	0.1592***	-0.0392	-0.0173	-0.0174	-0.0141	1.624***
	(0.0362)	(0.0285)	(0.0325)	(0.0313)	(0.0262)	(0.3323)
Total fleet		$2.38 \times 10^{-5***}$	$1.94 \times 10^{-5***}$	$1.81 \times 10^{-5***}$	$1.55 \times 10^{-5***}$	$7.13 \times 10^{-6*}$
Donulation		$(3.34 \times 10^{-6})$	$(7.07 \times 10^{-6})$ $1.86 \times 10^{-6}$	$(6.89 \times 10^{-6})$ $2.07 \times 10^{-6}$	$(5.63 \times 10^{-6})$ $1.68 \times 10^{-6}$	$(3.84 \times 10^{-6})$ $2.83 \times 10^{-6}$
Population			$(3.16 \times 10^{-6})$	$(3.15 \times 10^{-6})$	$(2.55 \times 10^{-6})$	$(1.79 \times 10^{-6})$
GDP per capita			(0.10 × 10 )	0.0095*	0.0072*	0.0065*
1 1				(0.0054)	(0.0042)	(0.0039)
HHI				, ,	-0.0001***	-0.0001***
					$(1.01 \times 10^{-5})$	$(9.8 \times 10^{-6})$
Both $\times$ Time FE						Yes
Fixed-effects						
Municipality	Yes	Yes	Yes	Yes	Yes	Yes
Month-Year	Yes	Yes	Yes	Yes	Yes	Yes
Fit statistics						
Observations	73,149	71,676	$71,\!496$	$71,\!426$	$71,\!426$	$71,\!426$
$\mathbb{R}^2$	0.92967	0.93971	0.93987	0.94094	0.94710	0.94879
Within R <sup>2</sup>	0.00180	0.15353	0.14931	0.16384	0.25112	0.27495

Signif. Codes: \*\*\*: 0.01, \*\*: 0.05, \*: 0.1

Dependent Variable:			ln(Total r	number of station	ns)	
Model:	(1)	(2)	(3)	(4)	(5)	(6)
Variables						
Placebo $\times$ Both	$0.1016^{***}$	-0.0559***	-0.0285	-0.0291	-0.0281	0.8108***
	(0.0255)	(0.0185)	(0.0222)	(0.0215)	(0.0190)	(0.2281)
Total fleet		$1.84 \times 10^{-5***}$	$1.26 \times 10^{-5**}$	$1.19 \times 10^{-5**}$	$1.07 \times 10^{-5**}$	$6.68 \times 10^{-6}$
Population		$(2.33 \times 10^{-6})$	$(5.41 \times 10^{-6})$ $2.39 \times 10^{-6}$	$(5.32 \times 10^{-6})$ $2.52 \times 10^{-6}$	$(4.71 \times 10^{-6})$ $2.3 \times 10^{-6}$	$\begin{array}{c} (3.76 \times 10^{-6}) \\ 2.82 \times 10^{-6} \end{array}$
1 opulation			$(2.68 \times 10^{-6})$	$(2.67 \times 10^{-6})$	$(2.38 \times 10^{-6})$	$(1.97 \times 10^{-6})$
GDP per capita			(2.00 // 20 )	0.0063***	0.0052***	0.0048***
				(0.0024)	(0.0019)	(0.0017)
HHI					$-5.63 \times 10^{-5***}$	$-5.34 \times 10^{-5***}$
					$(5.57 \times 10^{-6})$	$(5.28 \times 10^{-6})$
Both $\times$ Time FE						Yes
$Fixed\mbox{-}effects$						
Municipality	Yes	Yes	Yes	Yes	Yes	Yes
Month-Year	Yes	Yes	Yes	Yes	Yes	Yes
Fit statistics						
Observations	73,076	$71,\!586$	71,406	$71,\!336$	$71,\!336$	71,336
$\mathbb{R}^2$	0.94511	0.96378	0.96454	0.96575	0.96972	0.97099
Within $R^2$	0.00256	0.35009	0.35413	0.37638	0.44874	0.47190

Dependent Variable:			ln(Number o	f independent sta	tions)	
Model:	(1)	(2)	(3)	(4)	(5)	(6)
Variables						
Placebo $\times$ Both	0.0368**	-0.0597***	-0.0526***	-0.0524***	-0.0516***	0.4745
	(0.0178)	(0.0135)	(0.0151)	(0.0148)	(0.0146)	(0.3685)
Total fleet		$1.29 \times 10^{-5***}$	$1.15 \times 10^{-5***}$	$1.11 \times 10^{-5***}$	$1.07 \times 10^{-5***}$	$8.01 \times 10^{-6***}$
D1-4:		$(1.82 \times 10^{-6})$	$(3.36 \times 10^{-6})$	$(3.3 \times 10^{-6})$ $5.57 \times 10^{-7}$	$(3.22 \times 10^{-6})$ $5.3 \times 10^{-7}$	$\begin{array}{c} (2.84 \times 10^{-6}) \\ 9.17 \times 10^{-7} \end{array}$
Population			$(1.24 \times 10^{-6})$	$(1.22 \times 10^{-6})$	$(1.17 \times 10^{-6})$	$(9.77 \times 10^{-7})$
GDP per capita			(1.24 × 10 )	$0.0029^{**}$	$0.0027^{***}$	$0.0025^{**}$
0 P				(0.0012)	(0.0010)	(0.0010)
HHI				,	$-1.46 \times 10^{-5***}$	$-1.31 \times 10^{-5***}$
					$(4.79 \times 10^{-6})$	$(4.78 \times 10^{-6})$
Both $\times$ Time FE						Yes
Fixed-effects						
Municipality	Yes	Yes	Yes	Yes	Yes	Yes
Month-Year	Yes	Yes	Yes	Yes	Yes	Yes
Fit statistics						
Observations	59,671	$58,\!396$	$58,\!274$	58,218	58,218	58,218
$\mathbb{R}^2$	0.95441	0.96448	0.96437	0.96470	0.96506	0.96567
Within $\mathbb{R}^2$	0.00067	0.22781	0.22876	0.23632	0.24423	0.25741

 $\begin{tabular}{ll} Clustered (Municipality) standard-errors in parentheses \\ Signif. Codes: ***: 0.01, **: 0.05, *: 0.1 \end{tabular}$ 

# Both as treatment, None as control

Dependent Variable:			Gas r	etail price		<del></del> -
Model:	(1)	(2)	(3)	(4)	(5)	(6)
Variables						_
Placebo $\times$ Both	0.0185***	0.0179***	0.0180***	0.0180***	0.0179***	-0.1365
T + 1.0 +	(0.0054)	(0.0055)	(0.0055)	(0.0055)	(0.0056)	(0.0917)
Total fleet		$2.31 \times 10^{-7**}$ $(1.1 \times 10^{-7})$	$2.21 \times 10^{-7} $ $(2.14 \times 10^{-7})$	$2.22 \times 10^{-7} $ $(2.15 \times 10^{-7})$	$2.21 \times 10^{-7} $ $(2.15 \times 10^{-7})$	$2.78 \times 10^{-7} $ $(2.37 \times 10^{-7})$
Population		$(1.1 \times 10^{-4})$	'	$(2.13 \times 10^{-8})$ $1.79 \times 10^{-8}$	$(2.13 \times 10^{-8})$ $1.96 \times 10^{-8}$	$(2.37 \times 10^{-7})$ $6.41 \times 10^{-7}*$
1 optimion			$(1.48 \times 10^{-7})$	$(1.48 \times 10^{-7})$		$(3.82 \times 10^{-7})$
GDP per capita			,	$-9.07 \times 10^{-5}$	$-9.16 \times 10^{-5}$	$-6.91 \times 10^{-5}$
				(0.0002)	$(0.0002)_{7}$	(0.0002)
HHI					$3.1 \times 10^{-7}$	$3.59 \times 10^{-7}$
Both $\times$ Time FE					$(3.12 \times 10^{-6})$	$(3.19 \times 10^{-6})$ Yes
						res
Fixed-effects	3.7	3.7	3.7	37	37	3.7
Municipality	Yes	Yes	Yes	Yes	Yes	Yes
Month-Year	Yes	Yes	Yes	Yes	Yes	Yes
Fit statistics						
Observations	$5,\!547$	$5,\!482$	$5,\!468$	$5,\!468$	$5,\!468$	$5,\!468$
$\mathbb{R}^2$	0.94467	0.94494	0.94486	0.94486	0.94486	0.94651
Within R <sup>2</sup>	0.00972	0.01257	0.01264	0.01267	0.01268	0.04212

Dependent Variable:			Ethane	ol retail price		
Model:	(1)	(2)	(3)	(4)	(5)	(6)
Variables						
Placebo $\times$ Both	0.0569***	0.0598***	0.0581***	0.0578***	0.0566***	-0.2187
	(0.0102)	(0.0107)	(0.0106)	(0.0106)	(0.0106)	$(0.1332)_{7}$
Total fleet		$-3.74 \times 10^{-7}$	$1.75 \times 10^{-7}$	$1.79 \times 10^{-7}$	$1.71 \times 10^{-7}$	$6.31 \times 10^{-7}$
D 1.41		$(3.45 \times 10^{-7})$	$ (2.05 \times 10^{-7}) $ $-7.11 \times 10^{-7***} $	$(2.06 \times 10^{-7}) \\ -6.76 \times 10^{-7***}$	$(2.05 \times 10^{-7})$ -6.33 × 10 <sup>-7</sup> ***	$(3.57 \times 10^{-7})$
Population			$(1.92 \times 10^{-7})$	$-6.76 \times 10^{-7}$ $(1.94 \times 10^{-7})$	$-6.33 \times 10^{-7}$ $(1.91 \times 10^{-7})$	$2.85 \times 10^{-7} $ $(7.08 \times 10^{-7})$
GDP per capita			$(1.92 \times 10^{\circ})$	-0.0007	-0.0008	-0.0007
GBT per capita				(0.0006)	(0.0006)	(0.0006)
HHI				,	$7.94 \times 10^{-6}$	$9.29 \times 10^{-6}$
					$(6.36 \times 10^{-6})$	$(6.11 \times 10^{-6})$
Both $\times$ Time FE						Yes
Fixed-effects						
Municipality	Yes	Yes	Yes	Yes	Yes	Yes
Month-Year	Yes	Yes	Yes	Yes	Yes	Yes
Fit statistics						
Observations	$5,\!361$	$5,\!298$	$5,\!284$	5,284	$5,\!284$	5,284
$\mathbb{R}^2$	0.89207	0.89242	0.89241	0.89246	0.89259	0.90857
Within R <sup>2</sup>	0.01812	0.01945	0.02122	0.02165	0.02279	0.16823

Signif. Codes: \*\*\*: 0.01, \*\*: 0.05, \*: 0.1

Dependent Variable:			Gas wh	nolesale price		
Model:	(1)	(2)	(3)	(4)	(5)	(6)
Variables						
Placebo $\times$ Both	0.0074*	0.0070	0.0069	0.0067	0.0071	0.2357
	(0.0044)	(0.0046)	(0.0047)	(0.0047)	(0.0047)	(0.2191)
Total fleet		$8.53 \times 10^{-8*}$	$1.36 \times 10^{-7}$	$1.31 \times 10^{-7}$	$1.33 \times 10^{-7}$	$2.83 \times 10^{-7}$
Donulation		$(4.59 \times 10^{-8})$	$(1.32 \times 10^{-7})$ $-6.43 \times 10^{-8}$	$(1.27 \times 10^{-7}) -9.86 \times 10^{-8}$	$(1.28 \times 10^{-7}) \\ -1.06 \times 10^{-7}$	
Population			$(1.33 \times 10^{-7})$	$-9.80 \times 10^{-7}$ $(1.42 \times 10^{-7})$	$(1.45 \times 10^{-7})$	
GDP per capita			(1.00 × 10 )	0.0008*	0.0008*	$0.0007^*$
T T T T T T T T T T T T T T T T T T T				(0.0004)	(0.0004)	(0.0003)
HHI				,	$-1.42 \times 10^{-6}$	$-1.23 \times 10^{-6}$
					$(1.79 \times 10^{-6})$	$(1.58 \times 10^{-6})$
Both $\times$ Time FE						Yes
Fixed-effects						
Municipality	Yes	Yes	Yes	Yes	Yes	Yes
Month-Year	Yes	Yes	Yes	Yes	Yes	Yes
Fit statistics						
Observations	$4,\!417$	4,367	$4,\!353$	4,353	4,353	4,353
$\mathbb{R}^2$	0.94078	0.94122	0.94082	0.94106	0.94109	0.94256
Within R <sup>2</sup>	0.00353	0.00467	0.00492	0.00893	0.00945	0.03415

Dependent Variable:			Ethanol	wholesale price		
Model:	(1)	(2)	(3)	(4)	(5)	(6)
Variables						
Placebo $\times$ Both	$0.0417^{***}$	0.0495***	$0.0467^{***}$	$0.0466^{***}$	0.0428***	-0.0152
	(0.0127)	(0.0127)	(0.0126)	(0.0126)	(0.0114)	(0.1661)
Total fleet		$-9.75 \times 10^{-7}$	$2.3 \times 10^{-7}$	$2.27 \times 10^{-7}$	$2.14 \times 10^{-7}$	$4.07 \times 10^{-7}$
Danulation		$(6.29 \times 10^{-7})$	$(1.61 \times 10^{-7}) \\ -1.56 \times 10^{-6***}$	$(1.61 \times 10^{-7})$ $-1.59 \times 10^{-6***}$	$(1.62 \times 10^{-7}) \\ -1.49 \times 10^{-6***}$	$\begin{array}{c} (2.07 \times 10^{-7}) \\ -1.36 \times 10^{-6} \end{array}$
Population			$(1.16 \times 10^{-7})$	$(1.21 \times 10^{-7})$	$-1.49 \times 10$ $(1.28 \times 10^{-7})$	$(8.28 \times 10^{-7})$
GDP per capita			(1.10 × 10 )	0.0005	0.0005	0.0006
r · · · · · · ·				(0.0007)	(0.0007)	(0.0007)
ННІ				,	$1.94 \times 10^{-5}$ *	$1.69 \times 10^{-5}$
					$(1.14 \times 10^{-5})$	$(1.15 \times 10^{-5})$
Both $\times$ Time FE						Yes
Fixed-effects						
Municipality	Yes	Yes	Yes	Yes	Yes	Yes
Month-Year	Yes	Yes	Yes	Yes	Yes	Yes
Fit statistics						
Observations	4,149	4,117	4,103	4,103	4,103	4,103
$\mathbb{R}^2$	0.91304	0.91403	0.91530	0.91532	0.91596	0.92299
Within R <sup>2</sup>	0.01100	0.02460	0.04140	0.04163	0.04884	0.12842

 ${\it Clustered~(Municipality)~standard\text{-}errors~in~parentheses}$ Signif. Codes: \*\*\*: 0.01, \*\*: 0.05, \*: 0.1

Dependent Variable:		ln(Gas retail price)					
Model:	(1)	(2)	(3)	(4)	(5)	(6)	
Variables							
Placebo $\times$ Both	0.0074***	$0.0072^{***}$	$0.0072^{***}$	$0.0072^{***}$	$0.0072^{***}$	-0.0541	
	(0.0020)	(0.0021)	(0.0021)	(0.0021)	(0.0021)	(0.0352)	
Total fleet		$8.9 \times 10^{-8**}$	$8.61 \times 10^{-8}$	$8.63 \times 10^{-8}$	$8.62 \times 10^{-8}$	$1.08 \times 10^{-7}$	
Population		$(4.28 \times 10^{-8})$	$(8.34 \times 10^{-8})$ $3.96 \times 10^{-9}$	$(8.36 \times 10^{-8})$ $5.8 \times 10^{-9}$	$(8.36 \times 10^{-8}) \\ 6.29 \times 10^{-9}$	$(9.26 \times 10^{-8})$ $2.54 \times 10^{-7}$ *	
1 opulation			$(5.77 \times 10^{-8})$	$(5.79 \times 10^{-8})$	$(5.84 \times 10^{-8})$	$(1.47 \times 10^{-7})$	
GDP per capita			(0 × 10 )	$-3.93 \times 10^{-5}$	$-3.96 \times 10^{-5}$	$-3.04 \times 10^{-5}$	
1 1				$(8.7 \times 10^{-5})$	$(8.69 \times 10^{-5})$	$(8.87 \times 10^{-5})$	
HHI						$1.11 \times 10^{-7}$	
					$(1.17 \times 10^{-6})$	'	
Both $\times$ Time FE						Yes	
Fixed-effects							
Municipality	Yes	Yes	Yes	Yes	Yes	Yes	
Month-Year	Yes	Yes	Yes	Yes	Yes	Yes	
Fit statistics							
Observations	$5,\!547$	$5,\!482$	5,468	5,468	5,468	5,468	
$\mathbb{R}^2$	0.93976	0.93998	0.93989	0.93989	0.93989	0.94169	
Within R <sup>2</sup>	0.01058	0.01340	0.01346	0.01350	0.01351	0.04312	

Dependent Variable:		$ln(Ethanol\ retail\ price)$						
Model:	(1)	(2)	(3)	(4)	(5)	(6)		
Variables								
Placebo $\times$ Both	0.0359***	0.0376***	0.0366***	$0.0365^{***}$	0.0359***	-0.1116		
	(0.0060)	(0.0062)	(0.0062)	(0.0062)	(0.0062)	$(0.0933)_{7}$		
Total fleet		$-2.43 \times 10^{-7}$	$5.78 \times 10^{-8}$	$5.97 \times 10^{-8}$	$5.57 \times 10^{-8}$	$3.22 \times 10^{-7}$		
D 14.		$(1.92 \times 10^{-7})$	$(1.11 \times 10^{-7}) \\ -3.89 \times 10^{-7***}$	$(1.11 \times 10^{-7}) \\ -3.71 \times 10^{-7***}$	$(1.11 \times 10^{-7})$ $-3.49 \times 10^{-7***}$	$(2.01 \times 10^{-7})$		
Population			$-3.89 \times 10^{-7}$ $(1.04 \times 10^{-7})$	$-3.71 \times 10^{-7}$ $(1.05 \times 10^{-7})$	$-3.49 \times 10^{-7}$ $(1.04 \times 10^{-7})$	$1.32 \times 10^{-7}$ $(4.94 \times 10^{-7})$		
GDP per capita			(1.04 × 10 )	-0.0004	-0.0004	-0.0004		
GB1 per capita				(0.0004)	(0.0003)	(0.0003)		
HHI				,	$4.04 \times 10^{-6}$	$4.85 \times 10^{-6}$		
					$(3.4 \times 10^{-6})$	$(3.24 \times 10^{-6})$		
Both $\times$ Time FE						Yes		
Fixed-effects								
Municipality	Yes	Yes	Yes	Yes	Yes	Yes		
Month-Year	Yes	Yes	Yes	Yes	Yes	Yes		
Fit statistics								
Observations	5,361	$5,\!298$	5,284	$5,\!284$	$5,\!284$	5,284		
$\mathbb{R}^2$	0.87887	0.87920	0.87919	0.87923	0.87934	0.89654		
Within $R^2$	0.02083	0.02220	0.02368	0.02401	0.02486	0.16388		

Signif. Codes: \*\*\*: 0.01, \*\*: 0.05, \*: 0.1

Dependent Variable:			ln(Gas w	holesale price)		
Model:	(1)	(2)	(3)	(4)	(5)	(6)
Variables						
Placebo $\times$ Both	$0.0037^{*}$	$0.0035^*$	$0.0035^*$	0.0034*	$0.0035^{*}$	0.1036
	(0.0019)	(0.0020)	(0.0020)	(0.0020)	(0.0020)	(0.0949)
Total fleet		$3.74 \times 10^{-8}$	$5.98 \times 10^{-8}$	$5.78 \times 10^{-8}$	$5.85 \times 10^{-8}$	$1.25 \times 10^{-7}$
Donulation		$(1.96 \times 10^{-8})$	$(5.7 \times 10^{-8}) \\ -2.88 \times 10^{-8}$	$(5.49 \times 10^{-8})$ $-4.35 \times 10^{-8}$	$(5.51 \times 10^{-8})$ $-4.67 \times 10^{-8}$	
Population			$(5.75 \times 10^{-8})$	$-4.33 \times 10^{-8}$ $(6.13 \times 10^{-8})$	$-4.67 \times 10^{-8}$ $(6.28 \times 10^{-8})$	
GDP per capita			(0.10 × 10 )	0.0003*	0.0003*	0.0003*
r · · · · · ·				(0.0002)	(0.0002)	(0.0002)
HHI				,		$-4.92 \times 10^{-7}$
					$(7.76 \times 10^{-7})$	$(6.85 \times 10^{-7})$
Both $\times$ Time FE						Yes
Fixed-effects						
Municipality	Yes	Yes	Yes	Yes	Yes	Yes
Month-Year	Yes	Yes	Yes	Yes	Yes	Yes
Fit statistics						
Observations	4,417	4,367	4,353	4,353	4,353	4,353
$\mathbb{R}^2$	0.94032	0.94074	0.94031	0.94054	0.94057	0.94213
Within R <sup>2</sup>	0.00453	0.00565	0.00589	0.00970	0.01015	0.03613

Dependent Variable:			ln(Ethano	l wholesale price)		
Model:	(1)	(2)	(3)	(4)	(5)	(6)
Variables						
Placebo $\times$ Both	0.0313***	0.0364***	0.0345***	0.0345***	0.0321***	0.0294
	(0.0089)	(0.0090)	(0.0089)	(0.0089)	(0.0083)	$(0.1399)_{7}$
Total fleet		$-6.65 \times 10^{-7}$	$1.37 \times 10^{-7}$	$1.35 \times 10^{-7}$	$1.27 \times 10^{-7}$	$2.82 \times 10^{-7**}$
D1-4:		$(4.18 \times 10^{-7})$	$(1.09 \times 10^{-7})$ -1.04 × 10 <sup>-6</sup> ***	$(1.08 \times 10^{-7})$ $-1.06 \times 10^{-6***}$	$(1.09 \times 10^{-7}) -9.98 \times 10^{-7***}$	$(1.42 \times 10^{-7})$ $-1.08 \times 10^{-6}$
Population			$-1.04 \times 10^{-8}$ $(7.34 \times 10^{-8})$	$-1.06 \times 10^{-8}$ $(7.84 \times 10^{-8})$	$-9.98 \times 10^{-8}$ $(8.42 \times 10^{-8})$	$-1.08 \times 10^{-7}$ $(6.87 \times 10^{-7})$
GDP per capita			(1.54 × 10 )	0.0004	0.0004	0.0004
0 P				(0.0005)	(0.0005)	(0.0005)
HHI				,	$1.16 \times 10^{-5}$ *	$1.01 \times 10^{-5}$
					$(6.82 \times 10^{-6})$	$(6.8 \times 10^{-6})$
Both $\times$ Time FE						Yes
Fixed-effects						
Municipality	Yes	Yes	Yes	Yes	Yes	Yes
Month-Year	Yes	Yes	Yes	Yes	Yes	Yes
Fit statistics						
Observations	4,149	4,117	4,103	4,103	4,103	4,103
$\mathbb{R}^2$	0.90458	0.90554	0.90680	0.90682	0.90730	0.91464
Within R <sup>2</sup>	0.01220	0.02444	0.03901	0.03920	0.04422	0.11989

Signif. Codes: \*\*\*: 0.01, \*\*: 0.05, \*: 0.1

Dependent Variable:		Total number of stations						
Model:	(1)	(2)	(3)	(4)	(5)	(6)		
Variables								
Placebo $\times$ Both	1.960***	-1.318***	-0.6223***	-0.6252***	-0.6309***	-0.7027		
	(0.5680)	(0.1974)	(0.1904)	(0.1904)	(0.1899)	(2.359)		
Total fleet		0.0004***	0.0002***	0.0002***	0.0002***	0.0002***		
Population		$(2.14 \times 10^{-5})$	$(4.27 \times 10^{-5})$ $9.48 \times 10^{-5***}$	$(4.28 \times 10^{-5}) 9.52 \times 10^{-5***}$	$(4.28 \times 10^{-5})$ $9.41 \times 10^{-5***}$	$(4.41 \times 10^{-5})$ $9.19 \times 10^{-5***}$		
GDP per capita			$(2.17 \times 10^{-5})$	$(2.18 \times 10^{-5}) \\ 0.0158^{**}$	$(2.18 \times 10^{-5}) \\ 0.0144^{**}$	$(2.13 \times 10^{-5}) \\ 0.0141^{**}$		
ННІ				(0.0065)	$(0.0061) -4.99 \times 10^{-5***} (1.68 \times 10^{-5})$	$(0.0055) \\ -4.97 \times 10^{-5***} \\ (1.65 \times 10^{-5})$		
Both $\times$ Time FE					(1.00 × 10 )	Yes		
Fixed-effects								
Municipality	Yes	Yes	Yes	Yes	Yes	Yes		
Month-Year	Yes	Yes	Yes	Yes	Yes	Yes		
Fit statistics								
Observations	60,430	$59,\!112$	58,962	58,920	58,920	58,920		
$\mathbb{R}^2$	0.99386	0.99939	0.99954	0.99955	0.99955	0.99955		
Within R <sup>2</sup>	0.00702	0.90081	0.91654	0.91697	0.91733	0.91782		

Dependent Variable:	Number of main distributors						
Model:	(1)	(2)	(3)	(4)	(5)	(6)	
Variables							
Placebo $\times$ Both	$0.1597^{***}$	0.0429	$0.1019^{***}$	0.0998***	0.0758***	2.037***	
	(0.0335)	(0.0322)	(0.0321)	(0.0313)	(0.0268)	(0.2657)	
Total fleet		$1.38 \times 10^{-5***}$	$-2.16 \times 10^{-6}$	$-3.28 \times 10^{-6}$	$2.21 \times 10^{-7}$	$-1.71 \times 10^{-6}$	
Donulation		$(3.84 \times 10^{-6})$	$(4.14 \times 10^{-6})$ $9.14 \times 10^{-6***}$	$(4.06 \times 10^{-6})$ $9.34 \times 10^{-6***}$	$(3.84 \times 10^{-6})$ $4.57 \times 10^{-6*}$	$(2.57 \times 10^{-6})$ $1.53 \times 10^{-6}$	
Population			$(2.85 \times 10^{-6})$	$(2.81 \times 10^{-6})$	$(2.6 \times 10^{-6})$	$(1.61 \times 10^{-6})$	
GDP per capita			(2.00 × 10 )	0.0106***	0.0048**	0.0023	
				(0.0035)	(0.0020)	(0.0020)	
HHI					-0.0002***	-0.0002***	
					$(5.5 \times 10^{-6})$	$(4.45 \times 10^{-6})$	
Both $\times$ Time FE						Yes	
$Fixed\mbox{-}effects$							
Municipality	Yes	Yes	Yes	Yes	Yes	Yes	
Month-Year	Yes	Yes	Yes	Yes	Yes	Yes	
$Fit\ statistics$							
Observations	$61,\!108$	59,776	59,626	$59,\!584$	$59,\!584$	$59,\!584$	
$\mathbb{R}^2$	0.93619	0.94208	0.94363	0.94446	0.97381	0.97748	
Within R <sup>2</sup>	0.00391	0.09712	0.11920	0.13260	0.59098	0.64834	

 $Clustered\ (Municipality)\ standard\text{-}errors\ in\ parentheses$ 

Signif. Codes: \*\*\*: 0.01, \*\*: 0.05, \*: 0.1

Dependent Variable:			Number o	of other distribut	ors	
Model:	(1)	(2)	(3)	(4)	(5)	(6)
Variables						
Placebo $\times$ Both	$0.2240^{*}$	-0.1770	-0.1852*	$-0.1875^*$	$-0.1967^*$	3.000*
	(0.1274)	(0.1171)	(0.1098)	(0.1094)	$(0.1093)_{5.11}$	$(1.587)_{2.00}$
Total fleet		$4.76 \times 10^{-5***}$	$4.7 \times 10^{-5**}$	$4.58 \times 10^{-5**}$	$4.72 \times 10^{-5**}$	$4.5 \times 10^{-5**}$
Danulation		$(1.64 \times 10^{-5})$	$(2.28 \times 10^{-5})$	$ (2.25 \times 10^{-5}) $ $ 2.64 \times 10^{-6} $	$\begin{array}{c} (2.28 \times 10^{-5}) \\ 8.17 \times 10^{-7} \end{array}$	$\begin{array}{c} (2.1 \times 10^{-5}) \\ -4.81 \times 10^{-6} \end{array}$
Population			$(1.13 \times 10^{-5})$	$(1.12 \times 10^{-5})$	$(1.13 \times 10^{-5})$	$(1.11 \times 10^{-5})$
GDP per capita			(1.10 × 10 )	0.0114	0.0092	0.0049
r · · · · · · · · · · · · · · · · · · ·				(0.0099)	(0.0095)	(0.0078)
HHI				,	$-7.77 \times 10^{-5***}$	$-6.81 \times 10^{-5***}$
					$(1.72 \times 10^{-5})$	$(1.66 \times 10^{-5})$
Both $\times$ Time FE						Yes
Fixed-effects						
Municipality	Yes	Yes	Yes	Yes	Yes	Yes
Month-Year	Yes	Yes	Yes	Yes	Yes	Yes
Fit statistics						
Observations	61,108	59,776	59,626	59,584	$59,\!584$	59,584
$\mathbb{R}^2$	0.91922	0.92860	0.92836	0.92850	0.92906	0.93045
Within R <sup>2</sup>	0.00078	0.11372	0.11923	0.12084	0.12769	0.14478

 ${\it Clustered~(Municipality)~standard\text{-}errors~in~parentheses}$ 

Signif. Codes: \*\*\*: 0.01, \*\*: 0.05, \*: 0.1

Dependent Variable:		Share of independent stations					
Model:	(1)	(2)	(3)	(4)	(5)	(6)	
Variables							
Placebo $\times$ Both	-0.0105**	-0.0055	-0.0099	-0.0096	-0.0089	-0.1905	
T . 1.4	(0.0052)	(0.0053)	(0.0075)	(0.0074)	(0.0073)	(0.1283)	
Total fleet		$-6.17 \times 10^{-7}$	$6.36 \times 10^{-7}$	$8.97 \times 10^{-7}$	$8.02 \times 10^{-7}$	$1.02 \times 10^{-6}$	
Donulation		$(7.14 \times 10^{-7})$	$(1.54 \times 10^{-6})$ $-7.54 \times 10^{-7}$	$(1.53 \times 10^{-6}) \\ -8.1 \times 10^{-7}$	$(1.52 \times 10^{-6})$ $-6.76 \times 10^{-7}$	$(1.67 \times 10^{-6})$ $-4.06 \times 10^{-7}$	
Population			$(9.57 \times 10^{-7})$	$-8.1 \times 10$ $(9.48 \times 10^{-7})$	$(9.41 \times 10^{-7})$	$-4.00 \times 10$ $(1.03 \times 10^{-6})$	
GDP per capita			(0.01 × 10 )	-0.0022*	-0.0020*	-0.0018*	
1 1				(0.0011)	(0.0011)	(0.0011)	
HHI					$5.85 \times 10^{-6**}$	$5.3\times10^{-6*}$	
					$(2.73 \times 10^{-6})$	,	
Both $\times$ Time FE						Yes	
Fixed-effects							
Municipality	Yes	Yes	Yes	Yes	Yes	Yes	
Month-Year	Yes	Yes	Yes	Yes	Yes	Yes	
Fit statistics							
Observations	$60,\!430$	$59,\!112$	58,962	58,920	58,920	58,920	
$\mathbb{R}^2$	0.94865	0.94797	0.94834	0.94894	0.94921	0.94959	
Within R <sup>2</sup>	0.00024	0.00286	0.00569	0.01397	0.01930	0.02654	

		г :	Total volume		
(1)	(2)	(3)	(4)	(5)	ļ
$1.12 \times 10^{11***}$	$2.32\times10^{10}$	$6.87 \times 10^{10***}$	$6.72 \times 10^{10***}$	$4.73 \times 10^{10***}$	1.25
$(2.36 \times 10^{10})$	$(2.1 \times 10^{10})$	$(2.14 \times 10^{10})$	$(2.09 \times 10^{10})$	$(1.72 \times 10^{10})$	(1.
,	10,457,380.6***	-1,770,364.1	-2,594,353.1	321,227.8	`-8
	(2,349,220.0)	(2,699,721.4)	(2,646,933.3)	(2,482,726.2)	(1,
	,	6,911,127.6***	7,059,095.8***	3,086,684.9*	1,
		(1,783,832.5)	(1,757,514.2)	(1,606,095.2)	(8
		, , , ,	-2,147,483,648.7***	-2,147,483,648.6***	1,375
			(-2,147,483,648.6)	(1,032,028,098.4)	(616
			, , , , , ,	-168,687,285.5***	-165,
				(2,597,825.0)	(1,
				, , ,	
Yes	Yes	Yes	Yes	Yes	
Yes	Yes	Yes	Yes	Yes	
			,		
61,108	59,776	59,626	59,584	59,584	
-	$1.12 \times 10^{11***}$ $(2.36 \times 10^{10})$ Yes Yes	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$

0.94223

0.13160

0.94314

0.14578

0.98496

0.77406

Clustered (Municipality) standard-errors in parentheses Signif. Codes: \*\*\*: 0.01, \*\*: 0.05, \*: 0.1

0.93351

0.00382

 $\mathbb{R}^2$ 

Within  $\mathbb{R}^2$ 

0.94057

Dependent Variable:	Gas volume					
Model:	(1)	(2)	(3)	(4)	(5)	(6)
Variables						_
Placebo $\times$ Both	428,719.6***	123,013.0***	215,303.8***	215,211.3***	215,315.5***	-174,192.1
T . 1.0	(64,649.9)	(32,023.0)	(55,001.0)	(54,884.7)	(54,936.1)	(217,227.6)
Total fleet		$36.87^{***}$ $(4.324)$	13.21	13.17	13.15	14.37 $(11.98)$
Population		(4.524)	(11.60) $12.25**$	(11.65) $12.26**$	(11.66) $12.28**$	12.28**
1 opulation			(5.395)	(5.402)	(5.422)	(5.408)
GDP per capita			,	355.6	380.6	809.7
				(671.1)	(679.6)	(643.7)
HHI					0.8807	0.0311
Both $\times$ Time FE					(1.623)	$\begin{array}{c} (1.554) \\ \text{Yes} \end{array}$
						168
Fixed-effects	***	***	***	***	***	<b>3</b> .7
Municipality	Yes	Yes	Yes	Yes	Yes	Yes
Month-Year	Yes	Yes	Yes	Yes	Yes	Yes
Fit statistics						
Observations	61,108	59,776	59,626	59,584	59,584	59,584
$\mathbb{R}^2$	0.98927	0.99399	0.99426	0.99426	0.99426	0.99456
Within R <sup>2</sup>	0.01849	0.45023	0.43557	0.43559	0.43559	0.46454

Dependent Variable:			Ethano	l volume		
Model:	(1)	(2)	(3)	(4)	(5)	(6)
Variables						
Placebo $\times$ Both	141,617.1***	-83,794.0	-334,685.5**	-333,988.5**	-334,830.2**	-433,085.2
	(41,349.5)	(51,679.9)	(163,728.3)	(163,205.5)	(163,549.9)	(491,013.9)
Total fleet		27.03***	92.12***	92.51***	92.64***	88.95**
Population		(7.148)	(34.51) -34.40**	(34.62) -34.48**	(34.66) -34.64**	(35.28) -33.37**
GDP per capita			(16.50)	(16.50) $-3,633.5$ $(2,675.9)$	(16.58) $-3,835.1$ $(2,767.0)$	$   \begin{array}{c}     (16.69) \\     -3,770.0 \\     (2,703.4)   \end{array} $
нні				(2,010.9)	(2,707.0) $-7.113$ $(4.730)$	-6.273 $(4.981)$
Both $\times$ Time FE					(1.100)	Yes
$Fixed\mbox{-}effects$						
Municipality	Yes	Yes	Yes	Yes	Yes	Yes
Month-Year	Yes	Yes	Yes	Yes	Yes	Yes
Fit statistics						
Observations	61,108	59,776	59,626	59,584	59,584	59,584
$\mathbb{R}^2$	0.96859	0.97298	0.97644	0.97646	0.97647	0.97731
Within R <sup>2</sup>	0.00122	0.14095	0.24677	0.24740	0.24762	0.27433

Dependent Variable:			Diesel vo	olume		
Model:	(1)	(2)	(3)	(4)	(5)	(6)
Variables						
Placebo $\times$ Both	104,776.6**	-123,979.0***	$-75,\!257.9$	-75,593.7	-76,593.3	369,770.3
	(47,688.1)	(46,941.2)	(48,472.5)	(48,323.2)	(48,116.0)	(435,729.5)
Total fleet		27.31***	15.54*	15.32*	15.47*	12.83
D1-+:		(6.987)	(8.822)	(8.838)	(8.814)	(8.856)
Population			$5.582^*$ (3.023)	$5.623^*$ (3.022)	$5.424^*$ (3.045)	$5.665^*$ (3.367)
GDP per capita			(3.023)	(3.022) $2,047.4$	1,807.9	1,371.5
abi per capita				(1,368.4)	(1,277.9)	(1,065.1)
HHI				, ,	-8.449**	-6.910**
					(3.798)	(3.379)
Both $\times$ Time FE						Yes
Fixed-effects						_
Municipality	Yes	Yes	Yes	Yes	Yes	Yes
Month-Year	Yes	Yes	Yes	Yes	Yes	Yes
Fit statistics						_
Observations	$61,\!108$	59,776	59,626	$59,\!584$	$59,\!584$	59,584
$\mathbb{R}^2$	0.95958	0.97929	0.98010	0.98013	0.98017	0.98149
Within R <sup>2</sup>	0.00226	0.48866	0.44925	0.45004	0.45123	0.48771

 $Clustered\ (Municipality)\ standard\text{-}errors\ in\ parentheses$ 

Signif.	Codes:	***:	0.01,	**:	0.05,	*:	0.1	

Dependent Variable:			ln(To	tal volume)		
Model:	(1)	(2)	(3)	(4)	(5)	(6)
Variables						
Placebo $\times$ Both	$0.0510^{***}$	0.0018	0.0315***	0.0305***	$0.0126^{***}$	$0.3403^{***}$
T . 1.0	(0.0115)	(0.0098)	(0.0100)	(0.0097)	(0.0044)	(0.0430)
Total fleet		$5.8 \times 10^{-6***}$	$-2.1 \times 10^{-6}$	$-2.65 \times 10^{-6**}$	$-5.34 \times 10^{-8}$	$-3.84 \times 10^{-7}$
Population		$(1.05 \times 10^{-6})$	$(1.33 \times 10^{-6})  4.4 \times 10^{-6***}$	$(1.33 \times 10^{-6})  4.5 \times 10^{-6***}$	$(6.58 \times 10^{-7})$ $9.54 \times 10^{-7**}$	$(3.78 \times 10^{-7})$ $4.48 \times 10^{-7*}$
1 opulation			$(8.24 \times 10^{-7})$	$(8.17 \times 10^{-7})$	$(4.26 \times 10^{-7})$	$(2.35 \times 10^{-7})$
GDP per capita			(0.2220)	0.0052***	0.0009***	0.0005**
				(0.0015)	(0.0003)	(0.0002)
HHI					-0.0002***	-0.0001***
D 1					$(8.08 \times 10^{-7})$	,
Both $\times$ Time FE						Yes
Fixed-effects						
Municipality	Yes	Yes	Yes	Yes	Yes	Yes
Month-Year	Yes	Yes	Yes	Yes	Yes	Yes
$Fit\ statistics$						
Observations	61,108	59,776	59,626	$59,\!584$	$59,\!584$	59,584
$\mathbb{R}^2$	0.90388	0.90914	0.91088	0.91188	0.99618	0.99672
Within R <sup>2</sup>	0.00138	0.05851	0.07272	0.08382	0.96029	0.96586

Dependent Variable:			ln(	Gas volume)		
Model:	(1)	(2)	(3)	(4)	(5)	(6)
Variables						
Placebo $\times$ Both	0.1364***	-0.0514**	0.0798***	0.0775***	0.0690***	0.8368**
	(0.0317)	(0.0232)	(0.0211)	(0.0208)	(0.0185)	(0.3352)
Total fleet		$2.25 \times 10^{-5***}$	$-1.22 \times 10^{-5***}$	$-1.34 \times 10^{-5***}$	$-1.21 \times 10^{-5***}$	$-1.25 \times 10^{-5}$
D1-4:		$(3.22 \times 10^{-6})$	$(3.87 \times 10^{-6})$ $1.92 \times 10^{-5***}$	$(3.96 \times 10^{-6})$ $1.94 \times 10^{-5***}$	$(3.57 \times 10^{-6})$	$(3.83 \times 10^{-5})$
Population			$(2.57 \times 10^{-6})$	$(2.59 \times 10^{-6})$	$1.77 \times 10^{-5***}$ $(2.36 \times 10^{-6})$	$1.64 \times 10^{-5}$ $(2.62 \times 10^{-})$
GDP per capita			(2.51 × 10 )	$0.0104^{***}$	0.0083***	$0.0073^{***}$
ODI per capita				(0.0033)	(0.0027)	(0.0024)
HHI				(	$-7.29 \times 10^{-5***}$	$-7.07 \times 10^{-5}$
					$(7.08 \times 10^{-6})$	$(6.84 \times 10^{-})$
Both $\times$ Time FE						Yes
Fixed-effects						
Municipality	Yes	Yes	Yes	Yes	Yes	Yes
Month-Year	Yes	Yes	Yes	Yes	Yes	Yes
Fit statistics						
Observations	60,943	59,621	59,471	$59,\!429$	59,429	59,429
$\mathbb{R}^2$	0.94747	0.95931	0.96378	0.96448	0.96745	0.96790
Within R <sup>2</sup>	0.00271	0.23646	0.31165	0.32444	0.38087	0.38937

Signif. Codes: \*\*\*: 0.01, \*\*: 0.05, \*: 0.1

Dependent Variable:			$ln({ m Et}$	thanol volume)		
Model:	(1)	(2)	(3)	(4)	(5)	(6)
Variables						
Placebo $\times$ Both	$0.1279^{***}$	-0.0771***	0.0090	0.0084	0.0004	1.495***
	(0.0374)	(0.0288)	(0.0309)	(0.0302)	(0.0290)	(0.4558)
Total fleet		$2.59 \times 10^{-5***}$	$3.26 \times 10^{-6}$	$2.08 \times 10^{-6}$	$3.04 \times 10^{-6}$	$-2.3 \times 10^{-7}$
Donulation		$(4.47 \times 10^{-6})$	$(5.6 \times 10^{-6})$ $1.26 \times 10^{-5***}$	$(5.42 \times 10^{-6})$ $1.27 \times 10^{-5***}$	$(5.33 \times 10^{-6})$ $1.12 \times 10^{-5***}$	$(3.92 \times 10^{-6})$ $9.46 \times 10^{-6***}$
Population			$(2.97 \times 10^{-6})$	$(2.9 \times 10^{-6})$	$(2.89 \times 10^{-6})$	$(2.34 \times 10^{-6})$
GDP per capita			(2.51 × 10 )	0.0120***	0.0104***	0.0091***
1 1				(0.0042)	(0.0038)	(0.0035)
HHI				, ,	$-7.18 \times 10^{-5***}$	
					$(1.18 \times 10^{-5})$	$(1.17 \times 10^{-5})$
Both $\times$ Time FE						Yes
Fixed-effects						
Municipality	Yes	Yes	Yes	Yes	Yes	Yes
Month-Year	Yes	Yes	Yes	Yes	Yes	Yes
Fit statistics						
Observations	49,224	48,131	48,001	47,961	47,961	47,961
$\mathbb{R}^2$	0.92749	0.93870	0.94052	0.94125	0.94285	0.94407
Within $\mathbb{R}^2$	0.00141	0.15262	0.16713	0.17672	0.19916	0.21631

Dependent Variable:			ln(I	Diesel volume)		
Model:	(1)	(2)	(3)	(4)	(5)	(6)
Variables						
Placebo $\times$ Both	0.1352***	-0.0433*	0.0730**	0.0710**	0.0617**	1.313***
	(0.0328)	(0.0242)	(0.0284)	(0.0277)	(0.0250)	(0.3772)
Total fleet		$2.21 \times 10^{-5***}$	$-8.07 \times 10^{-6*}$	$-9.76 \times 10^{-6**}$	$-8.46 \times 10^{-6*}$	$-1.04 \times 10^{-5**}$
Danulation		$(2.98 \times 10^{-6})$	$(4.89 \times 10^{-6})$ $1.62 \times 10^{-5***}$	$(4.92 \times 10^{-6})$ $1.66 \times 10^{-5***}$	$(4.52 \times 10^{-6})$ $1.47 \times 10^{-5***}$	$(4.59 \times 10^{-6})$ $1.29 \times 10^{-5***}$
Population			$(2.64 \times 10^{-6})$	$(2.65 \times 10^{-6})$	$(2.41 \times 10^{-6})$	$(2.55 \times 10^{-6})$
GDP per capita			(2.04 × 10 )	$0.0143^{***}$	0.0119***	$0.0103^{**}$
5 P				(0.0052)	(0.0046)	(0.0040)
HHI				,	$-8.36 \times 10^{-5***}$	$-8.01 \times 10^{-5***}$
					$(9.17 \times 10^{-6})$	$(8.89 \times 10^{-6})$
Both $\times$ Time FE						Yes
Fixed-effects						
Municipality	Yes	Yes	Yes	Yes	Yes	Yes
Month-Year	Yes	Yes	Yes	Yes	Yes	Yes
Fit statistics						
Observations	$60,\!452$	$59,\!151$	59,001	58,959	58,959	58,959
$\mathbb{R}^2$	0.93450	0.94247	0.94501	0.94621	0.94936	0.95033
Within R <sup>2</sup>	0.00174	0.12995	0.15874	0.17496	0.22322	0.23807

Dependent Variable:			ln(Total r	number of stations		
Model:	(1)	(2)	(3)	(4)	(5)	(6)
Variables						
Placebo $\times$ Both	$0.0850^{***}$	-0.0538***	0.0315**	0.0303**	$0.0262^*$	$0.6106^{**}$
	(0.0238)	(0.0157)	(0.0156)	(0.0154)	$(0.0141)_{c}$	(0.2678)
Total fleet		$1.66 \times 10^{-5***}$			$-6.1 \times 10^{-6**}$	$-6.92 \times 10^{-6}$
D 1.4		$(2 \times 10^{-6})$	$(2.81 \times 10^{-6})$		$(2.71 \times 10^{-6})$	$(2.89 \times 10^{-6})$
Population				$1.25 \times 10^{-5***}$	$1.17 \times 10^{-5***}$	$1.09 \times 10^{-5***}$
CDP non conita			$(1.73 \times 10^{-6})$	$(1.75 \times 10^{-6}) \\ 0.0068^{***}$	$(1.66 \times 10^{-6}) \\ 0.0058^{***}$	$(1.88 \times 10^{-6})$ $0.0051^{***}$
GDP per capita				(0.0024)	(0.0058)	(0.0051)
HHI				(0.0024)	$-3.57 \times 10^{-5***}$	
11111					$(4.68 \times 10^{-6})$	$(4.28 \times 10^{-6})$
Both $\times$ Time FE					(1.00 /. 10 )	Yes
Fixed-effects						
Municipality	Yes	Yes	Yes	Yes	Yes	Yes
- •						
Month-Year	Yes	Yes	Yes	Yes	Yes	Yes
$Fit\ statistics$						
Observations	60,430	59,112	58,962	58,920	58,920	58,920
$\mathbb{R}^2$	0.95706	0.97128	0.97531	0.97597	0.97750	0.97810

0.41731

0.43248

0.46845

0.48274

Clustered (Municipality) standard-errors in parentheses Signif. Codes: \*\*\*: 0.01, \*\*: 0.05, \*: 0.1

0.00277

Within  $\mathbb{R}^2$ 

Dependent Variable:			ln(Number of	independent stat	ions)	
Model:	(1)	(2)	(3)	(4)	(5)	(6)
Variables						
Placebo $\times$ Both	0.0290*	-0.0661***	-0.0324	-0.0326	-0.0331	0.1498
Total fleet	(0.0163)	$(0.0127)$ $1.28 \times 10^{-5***}$ $(2.17 \times 10^{-6})$	$(0.0203)  3.83 \times 10^{-6}  (4.38 \times 10^{-6})$	$(0.0203)$ $3.68 \times 10^{-6}$ $(4.34 \times 10^{-6})$	$(0.0202)  3.76 \times 10^{-6}  (4.33 \times 10^{-6})$	$(0.3984)  3.81 \times 10^{-6}  (4.4 \times 10^{-6})$
Population		(2117 / 10 )	$5.4 \times 10^{-6}$ *	$5.42 \times 10^{-6*}$	$5.23 \times 10^{-6*}$	$4.67 \times 10^{-6}$
GDP per capita			$(2.79 \times 10^{-6})$	$(2.79 \times 10^{-6}) \\ 0.0016 \\ (0.0016)$	$(2.78 \times 10^{-6}) \\ 0.0013 \\ (0.0016)$	$(2.85 \times 10^{-6}) \\ 0.0010 \\ (0.0014)$
HHI				(0.0010)	$-8.33 \times 10^{-6*}$	$-8.15 \times 10^{-6}$ *
					$(4.27 \times 10^{-6})$	$(4.36 \times 10^{-6})$
Both $\times$ Time FE						Yes
Fixed-effects						
Municipality	Yes	Yes	Yes	Yes	Yes	Yes
Month-Year	Yes	Yes	Yes	Yes	Yes	Yes
Fit statistics						
Observations	48,409	47,278	47,186	$47,\!158$	47,158	$47,\!158$
$\mathbb{R}^2$	0.96130	0.96922	0.97017	0.97020	0.97031	0.97039
Within R <sup>2</sup>	0.00060	0.20810	0.23472	0.23551	0.23848	0.24047

# Just One as treatment, None as control

Dependent Variable:			Gas re	tail price		
Model:	(1)	(2)	(3)	(4)	(5)	(6)
Variables						
Placebo $\times$ Just one	-0.0011	-0.0009	-0.0006	-0.0006	-0.0006	-0.0006
Total fleet	(0.0055)	$(0.0055)$ $1.06 \times 10^{-6}$ $(1.12 \times 10^{-6})$	$(0.0057)  5.47 \times 10^{-7}  (1.33 \times 10^{-6})$	$(0.0057)  5.54 \times 10^{-7}  (1.34 \times 10^{-6})$	$(0.0057)$ $5.54 \times 10^{-7}$ $(1.34 \times 10^{-6})$	$(0.0057)  5.54 \times 10^{-7}  (1.34 \times 10^{-6})$
Population		(1.12 × 10 )	$1.9 \times 10^{-6}$	$1.88 \times 10^{-6}$	$1.88 \times 10^{-6}$	$1.88 \times 10^{-6}$
GDP per capita			$(1.5 \times 10^{-6})$	$   \begin{array}{c}     (1.51 \times 10^{-6}) \\     0.0001 \\     (0.0004)   \end{array} $	$(1.51 \times 10^{-6}) \\ 0.0001 \\ (0.0004)$	$(1.51 \times 10^{-6}) \\ 0.0001 \\ (0.0004)$
ННІ				(0.0001)	$4 \times 10^{-8}$	$4 \times 10^{-8}$
Just one $\times$ Time FE					$(2.62 \times 10^{-6})$	$(2.62 \times 10^{-6})$
Fixed-effects						
Municipality	Yes	Yes	Yes	Yes	Yes	Yes
Month-Year	Yes	Yes	Yes	Yes	Yes	Yes
Fit statistics						
Observations	$4,\!572$	4,480	$4,\!466$	$4,\!452$	4,452	$4,\!452$
$\mathbb{R}^2$	0.94670	0.94692	0.94672	0.94673	0.94673	0.94673
Within R <sup>2</sup>	$3.77 \times 10^{-5}$	0.00190	0.00305	0.00306	0.00306	0.00306

Dependent Variable:			Ethano	l retail price		
Model:	(1)	(2)	(3)	(4)	(5)	(6)
Variables						
Placebo $\times$ Just one	0.0083	0.0082	0.0077	0.0067	0.0060	0.0060
Total fleet	(0.0106)	$ (0.0106) \\ -5 \times 10^{-7} $	$ (0.0107) \\ -7.62 \times 10^{-7} $	$ (0.0106) \\ -8.29 \times 10^{-7} $	$ (0.0107) \\ -8.13 \times 10^{-7} $	$ (0.0107) \\ -8.13 \times 10^{-7} $
Population		$(9.88 \times 10^{-7})$		$(1.14 \times 10^{-6})$ $1.28 \times 10^{-6}$	$(1.14 \times 10^{-6})$ $1.27 \times 10^{-6}$	$(1.14 \times 10^{-6})$ $1.27 \times 10^{-6}$
GDP per capita			$(2.03 \times 10^{-6})$	-0.0008	$(1.98 \times 10^{-6})$ $-0.0008$	$(1.98 \times 10^{-6})$ $-0.0008$
нні				(0.0008)	$(0.0008) \\ 2.81 \times 10^{-6}$	$(0.0008) \\ 2.81 \times 10^{-6}$
Just one $\times$ Time FE					$(4.85 \times 10^{-6})$	$(4.85 \times 10^{-6})$
$Fixed\mbox{-}effects$						
Municipality	Yes	Yes	Yes	Yes	Yes	Yes
Month-Year	Yes	Yes	Yes	Yes	Yes	Yes
Fit statistics						
Observations	4,369	4,279	4,265	4,251	4,251	4,251
$\mathbb{R}^2$	0.87587	0.87583	0.87530	0.87545	0.87548	0.87548
Within R <sup>2</sup>	0.00044	0.00048	0.00047	0.00089	0.00113	0.00113

 ${\it Clustered~(Municipality)~standard\text{-}errors~in~parentheses}$ Signif. Codes: \*\*\*: 0.01, \*\*: 0.05, \*: 0.1

Dependent Variable:			Gas who	olesale price		
Model:	(1)	(2)	(3)	(4)	(5)	(6)
Variables						
Placebo $\times$ Just one	0.0005	0.0004	0.0002	$-1.77 \times 10^{-5}$		
T . 1.0	(0.0048)	(0.0050)	(0.0051)	(0.0051)	\ /	\ /
Total fleet			$7.41 \times 10^{-7}$	$7.49 \times 10^{-7}$	$7.49 \times 10^{-7}$	$7.49 \times 10^{-7}$
Population		$(7.41 \times 10^{-7})$	$(9.03 \times 10^{-7})$ $-4.25 \times 10^{-7}$	$(9 \times 10^{-7})$ -4.06 × 10 <sup>-7</sup>	· / .	
1 opulation			$(1.16 \times 10^{-6})$			$(1.14 \times 10^{-6})$
GDP per capita			(1.10 / 10 )	0.0010	0.0010	0.0010
1 1				(0.0006)	(0.0006)	(0.0006)
HHI						$-1.79 \times 10^{-8}$
					$(1.29 \times 10^{-6})$	$(1.29 \times 10^{-6})$
$\overline{\text{Just one} \times \text{Time FE}}$						
$Fixed\mbox{-}effects$						
Municipality	Yes	Yes	Yes	Yes	Yes	Yes
Month-Year	Yes	Yes	Yes	Yes	Yes	Yes
Fit statistics						
Observations	$3,\!271$	3,191	$3,\!177$	3,163	3,163	3,163
$\mathbb{R}^2$	0.93365	0.93331	0.93295	0.93324	0.93324	0.93324
Within $R^2$	$1.9 \times 10^{-5}$	0.00185	0.00201	0.00580	0.00580	0.00580

Dependent Variable:			Ethanol v	vholesale price		
Model:	(1)	(2)	(3)	(4)	(5)	(6)
Variables						_
Placebo $\times$ Just one	0.0149	0.0159	0.0152	0.0149	0.0118	0.0118
T	(0.0132)	(0.0133)	(0.0134)	(0.0134)	(0.0122)	(0.0122)
Total fleet		$-2.28 \times 10^{-6}$ * $(1.36 \times 10^{-6})$		$-2.19 \times 10^{-6}$	$-2.15 \times 10^{-6}$ $(1.54 \times 10^{-6})$	$-2.15 \times 10^{-6}$ $(1.54 \times 10^{-6})$
Population		$(1.30 \times 10^{\circ})$	'	$(1.53 \times 10^{-7})$ $-2.44 \times 10^{-7}$	\	$-3.14 \times 10^{-7}$
1 opaiation			$(1.67 \times 10^{-6})$	$(1.65 \times 10^{-6})$	$(1.65 \times 10^{-6})$	$(1.65 \times 10^{-6})$
GDP per capita			,	0.0014	0.0013	0.0013
				(0.0015)	(0.0014)	(0.0014)
HHI					$1.21 \times 10^{-5}$ $(1.1 \times 10^{-5})$	$1.21 \times 10^{-5} $ $(1.1 \times 10^{-5})$
Just one × Time FE					$(1.1 \times 10^{-4})$	$(1.1 \times 10^{-4})$
Fixed-effects						
Municipality  Municipality	Yes	Yes	Yes	Yes	Yes	Yes
Month-Year	Yes	Yes	Yes	Yes	Yes	Yes
Fit statistics						
Observations	2,953	2,891	2,877	2,863	2,863	2,863
$\mathbb{R}^2$	0.89210	0.89142	0.89082	0.89024	0.89068	0.89068
Within R <sup>2</sup>	0.00151	0.00434	0.00420	0.00500	0.00894	0.00894

Dependent Variable:			ln(Gas)	retail price)		
Model:	(1)	(2)	(3)	(4)	(5)	(6)
Variables						
Placebo $\times$ Just one	-0.0002	-0.0002	$-5.4 \times 10^{-5}$	$-3.35 \times 10^{-5}$	$-3.83 \times 10^{-5}$	$-3.83 \times 10^{-5}$
	(0.0021)	(0.0021)	(0.0021)	(0.0021)	(0.0022)	(0.0022)
Total fleet		$3.98 \times 10^{-7}$	$1.91 \times 10^{-7}$	$1.93 \times 10^{-7}$	$1.93 \times 10^{-7}$	$1.93 \times 10^{-7}$
Population		$(4.2 \times 10^{-7})$	$(5 \times 10^{-7})$ $7.71 \times 10^{-7}$	$(5.01 \times 10^{-7}) \\ 7.64 \times 10^{-7}$	$(5.01 \times 10^{-7}) \\ 7.64 \times 10^{-7}$	$(5.01 \times 10^{-7}) \\ 7.64 \times 10^{-7}$
1 opulation			$(5.66 \times 10^{-7})$			
GDP per capita			(0.00 / 10 )	$3.25 \times 10^{-5}$	$3.24 \times 10^{-5}$	$3.24 \times 10^{-5}$
1 1				(0.0001)	(0.0001)	(0.0001)
HHI					$1.65 \times 10^{-8}$	$1.65 \times 10^{-8}$
					$(9.83 \times 10^{-7})$	$(9.83 \times 10^{-7})$
$\overline{\text{Just one} \times \text{Time FE}}$						
$Fixed\mbox{-}effects$						
Municipality	Yes	Yes	Yes	Yes	Yes	Yes
Month-Year	Yes	Yes	Yes	Yes	Yes	Yes
Fit statistics						
Observations	$4,\!572$	4,480	$4,\!466$	$4,\!452$	$4,\!452$	$4,\!452$
$\mathbb{R}^2$	0.94197	0.94206	0.94183	0.94184	0.94184	0.94184
Within $R^2$	$9.87 \times 10^{-6}$	0.00183	0.00312	0.00313	0.00313	0.00313

Dependent Variable:	ln(Ethanol retail price $)$						
Model:	(1)	(2)	(3)	(4)	(5)	(6)	
Variables							
Placebo $\times$ Just one	0.0064	0.0060	0.0056	0.0051	0.0048	0.0048	
T . 1.0	(0.0061)	(0.0061)	(0.0062)	(0.0062)	(0.0062)	(0.0062)	
Total fleet		$-2.79 \times 10^{-7}$		$-3.68 \times 10^{-7}$	$-3.6 \times 10^{-7}$	$-3.6 \times 10^{-7}$	
Population		$(5.05 \times 10^{-7})$	$(5.6 \times 10^{-7})$ $2.55 \times 10^{-7}$	$(5.59 \times 10^{-7})$ $3.66 \times 10^{-7}$	$(5.61 \times 10^{-7})$ $3.59 \times 10^{-7}$	$(5.61 \times 10^{-7})$ $3.59 \times 10^{-7}$	
1 opulation			$(1.16 \times 10^{-6})$		$(1.14 \times 10^{-6})$		
GDP per capita			( )	-0.0004	-0.0004	-0.0004	
				(0.0004)	(0.0004)	(0.0004)	
HHI					$1.47 \times 10^{-6}$	$1.47 \times 10^{-6}$	
I / (D) DD					$(2.58 \times 10^{-6})$	$(2.58 \times 10^{-6})$	
$\frac{\text{Just one} \times \text{Time FE}}{\text{Time FE}}$							
Fixed-effects							
Municipality	Yes	Yes	Yes	Yes	Yes	Yes	
Month-Year	Yes	Yes	Yes	Yes	Yes	Yes	
$Fit\ statistics$							
Observations	4,369	4,279	4,265	$4,\!251$	$4,\!251$	$4,\!251$	
$\mathbb{R}^2$	0.86267	0.86287	0.86235	0.86219	0.86222	0.86222	
Within R <sup>2</sup>	0.00082	0.00075	0.00066	0.00091	0.00112	0.00112	

 ${\it Clustered~(Municipality)~standard\text{-}errors~in~parentheses}$ Signif. Codes: \*\*\*: 0.01, \*\*: 0.05, \*: 0.1

Dependent Variable:			ln(Gas who	olesale price)		
Model:	(1)	(2)	(3)	(4)	(5)	(6)
Variables						
Placebo $\times$ Just one	0.0005	0.0004	0.0003	0.0003	0.0003	0.0003
m . 1.4	(0.0021)	(0.0022)	(0.0022)	(0.0022)	(0.0022)	(0.0022)
Total fleet		$2.53 \times 10^{-7}$	$3.11 \times 10^{-7}$	$3.15 \times 10^{-7}$	$3.15 \times 10^{-7}$	$3.15 \times 10^{-7}$
Population		$(3.07 \times 10^{-7})$	$(3.77 \times 10^{-7}) -2.08 \times 10^{-7}$	$(3.76 \times 10^{-7}) \\ -2 \times 10^{-7}$	$(3.76 \times 10^{-7}) \\ -2 \times 10^{-7}$	\
1 opulation			$(5.12 \times 10^{-7})$			
GDP per capita			(0.12 / 10 )	0.0004	0.0004	0.0004
				(0.0003)	(0.0003)	(0.0003)
HHI					$1.44 \times 10^{-9}$	$1.44 \times 10^{-9}$
					$(5.62 \times 10^{-7})$	$(5.62 \times 10^{-7})$
$\overline{\text{Just one} \times \text{Time FE}}$						
$Fixed\mbox{-}effects$						
Municipality	Yes	Yes	Yes	Yes	Yes	Yes
Month-Year	Yes	Yes	Yes	Yes	Yes	Yes
Fit statistics						
Observations	3,271	3,191	3,177	3,163	3,163	3,163
$\mathbb{R}^2$	0.93301	0.93256	0.93219	0.93248	0.93248	0.93248
Within $\mathbb{R}^2$	$9.36 \times 10^{-5}$	0.00167	0.00187	0.00554	0.00554	0.00554

Dependent Variable:	ln(Ethanol wholesale price)						
Model:	(1)	(2)	(3)	(4)	(5)	(6)	
Variables							
Placebo $\times$ Just one	0.0107	0.0107	0.0098	0.0098	0.0079	0.0079	
Total fleet	(0.0093)	$(0.0094) \\ -1.46 \times 10^{-6*} \\ (7.67 \times 10^{-7})$		$ (0.0094)  -1.13 \times 10^{-6}  (8.65 \times 10^{-7}) $	$ (0.0089)  -1.11 \times 10^{-6}  (8.72 \times 10^{-7}) $	$(0.0089) -1.11 \times 10^{-6}  (8.72 \times 10^{-7})$	
Population		(1.01 × 10 )	$-1.14 \times 10^{-6}$	$-1.13 \times 10^{-6}$	$-1.17 \times 10^{-6}$	$-1.17 \times 10^{-6}$	
GDP per capita			$(1.25 \times 10^{-6})$	$ \begin{array}{c} (1.24 \times 10^{-6}) \\ 0.0010 \\ (0.0011) \end{array} $	$ \begin{array}{c} (1.24 \times 10^{-6}) \\ 0.0010 \\ (0.0010) \end{array} $	$(1.24 \times 10^{-6}) \\ 0.0010 \\ (0.0010)$	
ННІ				(0.0011)	$7.31 \times 10^{-6} $ $(6.53 \times 10^{-6})$	$7.31 \times 10^{-6}$	
Just one $\times$ Time FE					,	,	
Fixed-effects							
Municipality	Yes	Yes	Yes	Yes	Yes	Yes	
Month-Year	Yes	Yes	Yes	Yes	Yes	Yes	
Fit statistics							
Observations	2,953	2,891	2,877	2,863	2,863	2,863	
$\mathbb{R}^2$	0.88507	0.88466	0.88420	0.88366	0.88401	0.88401	
Within R <sup>2</sup>	0.00160	0.00383	0.00393	0.00487	0.00786	0.00786	

 $Clustered\ (Municipality)\ standard\text{-}errors\ in\ parentheses$ 

Signif. Codes: \*\*\*: 0.01, \*\*: 0.05, \*: 0.1

Dependent Variable:			Total n	umber of station	s	
Model:	(1)	(2)	(3)	(4)	(5)	(6)
$\overline{Variables}$						
Placebo $\times$ Just one	$0.5076^{***}$	-0.0907***	-0.0762*	-0.0739	-0.0894**	-0.0894**
	(0.1658)	(0.0348)	(0.0457)	(0.0465)	(0.0454)	(0.0454)
Total fleet		0.0004***	0.0004***	0.0004***	0.0004***	0.0004***
D1-4:		$(1.46 \times 10^{-5})$	$ (5.11 \times 10^{-5}) $ $ 5.23 \times 10^{-6} $	$(5.29 \times 10^{-5})$ $6.62 \times 10^{-6}$	$\begin{array}{c} (5.45 \times 10^{-5}) \\ 8.77 \times 10^{-6} \end{array}$	$\begin{array}{c} (5.45 \times 10^{-5}) \\ 8.77 \times 10^{-6} \end{array}$
Population			$(1.11 \times 10^{-5})$	$(1.14 \times 10^{-5})$	$(1.15 \times 10^{-5})$	$(1.15 \times 10^{-5})$
GDP per capita			(1.11 × 10 )	0.0105	0.0093	0.0093
GD1 per cupita				(0.0085)	(0.0078)	(0.0078)
HHI				,	$-8.74 \times 10^{-5***}$	$-8.74 \times 10^{-5***}$
					$(1.6 \times 10^{-5})$	$(1.6 \times 10^{-5})$
Just one $\times$ Time FE						
Fixed-effects						
Municipality	Yes	Yes	Yes	Yes	Yes	Yes
Month-Year	Yes	Yes	Yes	Yes	Yes	Yes
Fit statistics						
Observations	68,120	66,670	$66,\!504$	66,434	66,434	66,434
$\mathbb{R}^2$	0.92769	0.99245	0.99246	0.99252	0.99272	0.99272
Within $R^2$	0.00236	0.89712	0.89739	0.89837	0.90105	0.90105

Dependent Variable:		Number of main distributors						
Model:	(1)	(2)	(3)	(4)	(5)	(6)		
Variables								
Placebo $\times$ Just one	0.1649***	0.1373***	0.1141***	0.1150***	0.0746***	0.0746***		
Total fleet	(0.0209)	$(0.0201)$ $2.15 \times 10^{-5**}$ $(8.7 \times 10^{-6})$	$(0.0217)  6.03 \times 10^{-5***}  (1.7 \times 10^{-5})$	$(0.0215)  5.74 \times 10^{-5***}  (1.67 \times 10^{-5})$	$(0.0144)  2.29 \times 10^{-5**}  (1.16 \times 10^{-5})$	$(0.0144)  2.29 \times 10^{-5**}  (1.16 \times 10^{-5})$		
Population		(011 11 20 )	$-8.96 \times 10^{-6**}$	$-8.39 \times 10^{-6**}$	$-2.99 \times 10^{-6}$	$-2.99 \times 10^{-6}$		
GDP per capita			$(3.7 \times 10^{-6})$	$ \begin{array}{c} (3.67 \times 10^{-6}) \\ 0.0044 \\ (0.0045) \end{array} $	$(2.34 \times 10^{-6}) \\ 0.0012 \\ (0.0026)$	$(2.34 \times 10^{-6}) \\ 0.0012 \\ (0.0026)$		
ННІ				(0.0010)	$-0.0002^{***}$ $(4.82 \times 10^{-6})$	-0.0002***		
Just one $\times$ Time FE					(1.02 / 10 )	(1.02 × 10 )		
$Fixed\mbox{-}effects$								
Municipality	Yes	Yes	Yes	Yes	Yes	Yes		
Month-Year	Yes	Yes	Yes	Yes	Yes	Yes		
Fit statistics								
Observations	68,874	67,410	67,244	67,174	67,174	67,174		
$\mathbb{R}^2$	0.89285	0.89838	0.90023	0.90058	0.95662	0.95662		
Within R <sup>2</sup>	0.00720	0.06778	0.08458	0.08944	0.60268	0.60268		

Dependent Variable:	Number of other distributors									
Model:	(1)	(2)	(3)	(4)	(5)	(6)				
Variables										
Placebo $\times$ Just one	0.0338 $(0.0490)$	-0.0232 $(0.0478)$	-0.0933* (0.0491)	-0.0933* (0.0490)	-0.1100** (0.0475)	-0.1100* (0.0475				
Total fleet	( /	$4.25 \times 10^{-5**}$ $(1.9 \times 10^{-5})$	0.0002***	$0.0002^{***} $ $(4.28 \times 10^{-5})$	$0.0001^{***} $ $(4.13 \times 10^{-5})$	$0.0001^{**}$ $(4.13 \times 10)$				
Population		(1.9 × 10 )	$-2.81 \times 10^{-5***}$	$-2.74 \times 10^{-5}$ ***	$-2.52 \times 10^{-5***}$	$-2.52 \times 10^{-2}$				
GDP per capita			$(8.7 \times 10^{-6})$	$   \begin{array}{c}     (8.7 \times 10^{-6}) \\     0.0055 \\     \end{array} $	$(8.33 \times 10^{-6}) \\ 0.0041$	$(8.33 \times 10)$ $0.0041$				
ННІ				(0.0036)	$(0.0033)$ $-9.24 \times 10^{-5***}$					
Just one $\times$ Time FE					$(1.56 \times 10^{-5})$	$(1.56 \times 10$				
Fixed-effects										
Municipality	Yes	Yes	Yes	Yes	Yes	Yes				
Month-Year	Yes	Yes	Yes	Yes	Yes	Yes				
Fit statistics										
Observations	$68,\!874$	$67,\!410$	67,244	$67,\!174$	$67,\!174$	67,174				

0.89390

0.05582

0.89402

0.05690

0.8954

0.06919

0.89541

0.06919

Clustered (Municipality) standard-errors in parentheses Signif. Codes: \*\*\*: 0.01, \*\*: 0.05, \*: 0.1

0.88964

 $4.21\times10^{-5}$ 

 $\mathbb{R}^2$ 

Within  $\mathbb{R}^2$ 

0.89224

Dependent Variable:	Share of independent stations							
Model:	(1)	(2)	(3)	(4)	(5)	(6)		
Variables								
Placebo $\times$ Just one	-0.0043	-0.0004	0.0028	0.0027	0.0034	0.0034		
T . 1.0	(0.0043)	(0.0041)	(0.0051)	(0.0051)	(0.0049)	(0.0049)		
Total fleet		$-2.93 \times 10^{-6***}$			$-7.25 \times 10^{-6}$	$-7.25 \times 10^{-6}$		
Population		$(1.12 \times 10^{-6})$	$(5.28 \times 10^{-6})$ $1.24 \times 10^{-6}$	$(5.28 \times 10^{-6})$ $1.17 \times 10^{-6}$	$(5.26 \times 10^{-6})$ $1.06 \times 10^{-6}$	$(5.26 \times 10^{-6})$ $1.06 \times 10^{-6}$		
1 opulation			$(1.04 \times 10^{-6})$		$(1.04 \times 10^{-6})$			
GDP per capita			(11017/10 )	-0.0005	-0.0005	-0.0005		
				(0.0005)	(0.0005)	(0.0005)		
HHI					$4.27 \times 10^{-6}$	$4.27 \times 10^{-6}$		
I					$(2.66 \times 10^{-6})$	$(2.66 \times 10^{-6})$		
$\frac{\text{Just one} \times \text{Time FE}}{\text{Time FE}}$								
$Fixed\mbox{-}effects$								
Municipality	Yes	Yes	Yes	Yes	Yes	Yes		
Month-Year	Yes	Yes	Yes	Yes	Yes	Yes		
$Fit\ statistics$								
Observations	68,120	66,670	$66,\!504$	66,434	66,434	66,434		
$\mathbb{R}^2$	0.94323	0.94328	0.94373	0.94390	0.94407	0.94407		
Within $R^2$	$7.44 \times 10^{-5}$	0.01733	0.02217	0.02322	0.02608	0.02608		

Dependent Variable:	Total volume									
Model:	(1)	(2)	(3)	(4)	(5)					
Variables										
Placebo $\times$ Just one	$1.02 \times 10^{11***}$	$8.02 \times 10^{10***}$	$6.34 \times 10^{10***}$	$6.42 \times 10^{10***}$	$3.13 \times 10^{10***}$	3.13				
	$(1.47 \times 10^{10})$	$(1.4 \times 10^{10})$	$(1.47 \times 10^{10})$	$(1.44 \times 10^{10})$	(-2,147,483,648.1)	(-2,14)				
Total fleet		16,355,331.2***	44,410,023.5***	41,693,327.4***	$13,\!525,\!016.3^{**}$	13,5				
		(6,234,009.7)	(10,430,744.6)	(10,087,778.4)	(5,792,406.5)	(5,7)				
Population			-6,474,244.8***	-5,939,337.6**	-1,540,615.1	-1, -1, -1, -1, -1, -1, -1, -1, -1, -1,				
			(2,371,360.6)	(2,325,761.4)	(1,188,880.1)	(1,1)				
GDP per capita				-2,147,483,648.4	1,492,830,187.6	1,492				
				(-2,147,483,648.8)	(1,279,933,197.1)	(1,279)				
HHI					-182,017,243.3***	-182,0				
					(2,356,457.8)	(2,3)				
Just one $\times$ Time FE										
Fixed-effects										
Municipality	Yes	Yes	Yes	Yes	Yes					
Month-Year	Yes	Yes	Yes	Yes	Yes					
Fit statistics										

67,244

0.89644

0.09176

67,174

0.89719

0.10011

67,174

0.97397

0.77211

Clustered (Municipality) standard-errors in parentheses Signif. Codes: \*\*\*: 0.01, \*\*: 0.05, \*: 0.1

68,874

0.88773

0.00544

Observations  $\mathbb{R}^2$ 

Within  $\mathbb{R}^2$ 

67,410

0.89458

Dependent Variable:			Gas	volume		
Model:	(1)	(2)	(3)	(4)	(5)	(6)
Variables						
Placebo $\times$ Just one	77,674.9***	8,058.6**	13,675.0***	$13,\!551.2^{***}$	13,907.2***	13,907.2***
Total fleet	(20,229.6)	(3,804.0) $51.58***$	(4,880.3) $42.17***$	(4,903.4) $42.10***$	(4,754.1) $42.40***$	(4,754.1) $42.40***$
Population		(1.890)	(5.204) 2.175**	(5.312) 2.189*	(5.375) 2.141*	(5.375) 2.141*
GDP per capita			(1.107)	(1.127) $96.62$	(1.134) $125.1$	(1.134) $125.1$
нні				(324.7)	(335.1) $1.968*$	(335.1) $1.968*$
Just one $\times$ Time FE					(1.184)	(1.184)
Fixed-effects						
Municipality	Yes	Yes	Yes	Yes	Yes	Yes
Month-Year	Yes	Yes	Yes	Yes	Yes	Yes
Fit statistics						
Observations	68,874	67,410	67,244	$67,\!174$	$67,\!174$	67,174
$\mathbb{R}^2$	0.89664	0.98918	0.98945	0.98945	0.98946	0.98946
Within R <sup>2</sup>	0.00413	0.89650	0.89916	0.89925	0.89936	0.89936

Dependent Variable:			Ethanol v	volume		
Model:	(1)	(2)	(3)	(4)	(5)	(6)
Variables						
Placebo $\times$ Just one	18,928.8***	8,335.7***	$5,\!137.2$	$5,\!176.1$	4,756.2	4,756.2
	(3,974.5)	(2,974.6)	(4,017.7)	(4,033.7)	(3,955.7)	(3,955.7)
Total fleet		7.536***	12.69***	12.68***	12.32***	12.32***
		(0.8406)	(4.094)	(4.148)	(4.153)	(4.153)
Population			-1.191	-1.189	-1.133	-1.133
CIDD :			(0.7954)	(0.8059)	(0.8048)	(0.8048)
GDP per capita				15.47	-18.12	-18.12
HHI				(175.8)	(171.1) $-2.322***$	(171.1) $-2.322***$
11111					(0.7835)	(0.7835)
Just one $\times$ Time FE					(0.1033)	(0.1033)
Fixed-effects						
Municipality	Yes	Yes	Yes	Yes	Yes	Yes
Month-Year	Yes	Yes	Yes	Yes	Yes	Yes
Fit statistics						
Observations	68,874	67,410	67,244	$67,\!174$	$67,\!174$	$67,\!174$
$\mathbb{R}^2$	0.91693	0.93280	0.93301	0.93301	0.93317	0.93317
Within $\mathbb{R}^2$	0.00298	0.24063	0.25130	0.25132	0.25310	0.25310

Dependent Variable:	: Diesel volume					
Model:	(1)	(2)	(3)	(4)	(5)	(6)
Variables						
Placebo $\times$ Just one	32,963.9***	$4,\!800.3$	-693.1	-718.0	$-3,\!862.7$	$-3,\!862.7$
	(11,363.1)	(9,005.0)	(9,441.4)	(9,480.2)	(8,816.3)	(8,816.3)
Total fleet		20.84***	30.10***	29.45***	26.76***	26.76***
D 1		(1.893)	(6.458)	(6.425)	(6.228)	(6.228)
Population			-2.140 (1.205)	-2.011	-1.590	-1.590
GDP per capita			(1.305)	$(1.298) \\ 968.9$	(1.256) $717.3$	(1.256) $717.3$
GD1 pc1 capita				(848.8)	(707.4)	(707.4)
HHI				()	-17.39***	-17.39***
					(4.783)	(4.783)
Just one $\times$ Time FE						
Fixed-effects						
Municipality	Yes	Yes	Yes	Yes	Yes	Yes
Month-Year	Yes	Yes	Yes	Yes	Yes	Yes
Fit statistics						
Observations	68,874	67,410	67,244	$67,\!174$	$67,\!174$	$67,\!174$
$\mathbb{R}^2$	0.92342	0.93962	0.93988	0.93982	0.94080	0.94080
Within $\mathbb{R}^2$	0.00116	0.22895	0.23267	0.23367	0.24611	0.24611

 $\begin{tabular}{ll} Clustered & (Municipality) & standard-errors & in parentheses \\ Signif. & Codes: ****: 0.01, **: 0.05, *: 0.1 \end{tabular}$ 

Dependent Variable:	ln(Total volume)					
Model:	(1)	(2)	(3)	(4)	(5)	(6)
Variables						
Placebo $\times$ Just one	0.0629***	0.0497***	0.0377***	0.0382***	0.0101***	0.0101***
Total fleet	(0.0090)	$(0.0088)  1.01 \times 10^{-5**}  (4.34 \times 10^{-6})$	$(0.0090)  3.04 \times 10^{-5***}  (6.14 \times 10^{-6})$	$(0.0088)  2.86 \times 10^{-5***}  (5.93 \times 10^{-6})$	$(0.0026)$ $4.57 \times 10^{-6**}$ $(1.83 \times 10^{-6})$	$(0.0026)$ $4.57 \times 10^{-6**}$ $(1.83 \times 10^{-6})$
Population		(======)	$-4.67 \times 10^{-6***}$	$-4.32 \times 10^{-6***}$	$-5.67 \times 10^{-7}$	$-5.67 \times 10^{-7}$
GDP per capita			$(1.47 \times 10^{-6})$	$ \begin{array}{c} (1.44 \times 10^{-6}) \\ 0.0027 \\ (0.0017) \end{array} $	$ \begin{array}{c} (3.77 \times 10^{-7}) \\ 0.0004 \\ (0.0004) \end{array} $	$ \begin{array}{c} (3.77 \times 10^{-7}) \\ 0.0004 \\ (0.0004) \end{array} $
ННІ				(0.0011)	$-0.0002^{***}$ $(7.82 \times 10^{-7})$	-0.0002***
Just one $\times$ Time FE					(1.02 / 10 )	(1.02 × 10 )
Fixed-effects						
Municipality	Yes	Yes	Yes	Yes	Yes	Yes
Month-Year	Yes	Yes	Yes	Yes	Yes	Yes
Fit statistics						
Observations	68,874	67,410	67,244	$67,\!174$	$67,\!174$	$67,\!174$
$\mathbb{R}^2$	0.87548	0.88041	0.88247	0.88307	0.99428	0.99428

0.06772

0.07414

0.95473

0.95473

Clustered (Municipality) standard-errors in parentheses Signif. Codes: \*\*\*: 0.01, \*\*: 0.05, \*: 0.1

0.00372

Within  $\mathbb{R}^2$ 

Dependent Variable:	ln(Gas volume)					
Model:	(1)	(2)	(3)	(4)	(5)	(6)
Variables						
Placebo $\times$ Just one	$0.1252^{***}$	0.0744***	$0.0445^{***}$	0.0453***	$0.0297^{***}$	0.0297***
	(0.0174)	(0.0157)	(0.0129)	(0.0126)	(0.0104)	(0.0104)
Total fleet		$3.79 \times 10^{-5***}$	$8.92 \times 10^{-5***}$	$8.53 \times 10^{-5***}$	$7.2 \times 10^{-5***}$	$7.2 \times 10^{-5}$ *
D 1.4		$(1.29 \times 10^{-5})$	$(1.14 \times 10^{-5})$ $-1.18 \times 10^{-5***}$	$(1.1 \times 10^{-5})$	$(8.94 \times 10^{-6})$	$(8.94 \times 10^{-6})$
Population			$-1.18 \times 10^{-6}$ (3.51 × 10 <sup>-6</sup> )	$-1.11 \times 10^{-5***}$ $(3.48 \times 10^{-6})$	$-9 \times 10^{-6***} $ $(2.91 \times 10^{-6})$	$-9 \times 10^{-6}$ * $(2.91 \times 10^{-})$
GDP per capita			$(3.31 \times 10)$	0.0058**	0.0046**	0.0046**
abi per capita				(0.0027)	(0.0020)	(0.0020)
HHI				()	$-8.58 \times 10^{-5***}$	$-8.58 \times 10^{-1}$
					$(7.33 \times 10^{-6})$	$(7.33 \times 10^{-})$
Just one $\times$ Time FE						
Fixed-effects						
Municipality	Yes	Yes	Yes	Yes	Yes	Yes
Month-Year	Yes	Yes	Yes	Yes	Yes	Yes
Fit statistics						
Observations	68,704	$67,\!250$	67,084	$67,\!014$	67,014	67,014
$\mathbb{R}^2$	0.93010	0.94353	0.94583	0.94644	0.95241	0.95241
Within R <sup>2</sup>	0.00458	0.21182	0.24383	0.25321	0.33645	0.33645

Dependent Variable:	e: $ln(Ethanol volume)$					
Model:	(1)	(2)	(3)	(4)	(5)	(6)
Variables						
Placebo $\times$ Just one	$0.1034^{***}$ $(0.0234)$	$0.0557^{**} $ $(0.0217)$	0.0145 $(0.0224)$	0.0124 $(0.0218)$	-0.0044 $(0.0199)$	-0.0044 (0.0199)
Total fleet	( - )	$3.47 \times 10^{-5***}$	$0.0001^{***} $ $(1.94 \times 10^{-5})$	$9.81 \times 10^{-5}***$ $(1.88 \times 10^{-5})$	$8.53 \times 10^{-5***}$	$8.53 \times 10^{-5}$ $(1.73 \times 10^{-})$
Population		(1.01 × 10 )	$(1.54 \times 10^{-})$ $-1.58 \times 10^{-5***}$ $(4.46 \times 10^{-6})$	$(1.08 \times 10^{-1})$ $-1.48 \times 10^{-5***}$ $(4.38 \times 10^{-6})$	$(1.73 \times 10^{-1})$ $-1.28 \times 10^{-5***}$ $(3.92 \times 10^{-6})$	$-1.28 \times 10^{-9}$ $(3.92 \times 10^{-9})$
GDP per capita			(4.40 × 10 · )	0.0099***	0.0079***	0.0079***
нні				(0.0026)	$(0.0024) -8.96 \times 10^{-5***} (1.13 \times 10^{-5})$	$(0.0024)$ $-8.96 \times 10^{-1}$ $(1.13 \times 10^{-1})$
Just one $\times$ Time FE					(1.10 × 10 )	(1.13 × 10
Fixed-effects						
Municipality	Yes	Yes	Yes	Yes	Yes	Yes
Month-Year	Yes	Yes	Yes	Yes	Yes	Yes
Fit statistics						
Observations	55,649	54,438	$54,\!292$	54,224	54,224	54,224
$\mathbb{R}^2$	0.89954	0.90855	0.91191	0.91284	0.91654	0.91654

0.12871

0.13756

0.17421

0.17421

Clustered (Municipality) standard-errors in parentheses Signif. Codes: \*\*\*: 0.01, \*\*: 0.05, \*: 0.1

0.00161

,

Within  $\mathbb{R}^2$ 

Dependent Variable:	ln(Diesel volume)					
Model:	(1)	(2)	(3)	(4)	(5)	(6)
Variables						
Placebo $\times$ Just one	$0.1211^{***}$	0.0806***	0.0525***	$0.0537^{***}$	0.0353**	0.0353**
	(0.0193)	(0.0181)	(0.0186)	(0.0182)	(0.0156)	(0.0156)
Total fleet		$3.08 \times 10^{-5***}$	$7.91 \times 10^{-5***}$	$7.46 \times 10^{-5***}$	$5.89 \times 10^{-5***}$	$5.89 \times 10^{-5}$
Danulation		$(1.06 \times 10^{-5})$	$(1.62 \times 10^{-5})$ $-1.12 \times 10^{-5***}$	$(1.56 \times 10^{-5})$ $-1.02 \times 10^{-5***}$	$(1.32 \times 10^{-5})$ $-7.81 \times 10^{-6***}$	$(1.32 \times 10^{-6})$ $-7.81 \times 10^{-6}$
Population			$(3.74 \times 10^{-6})$	$(3.66 \times 10^{-6})$	$(3.02 \times 10^{-6})$	$-7.81 \times 10$ $(3.02 \times 10^{-1})$
GDP per capita			(0.14 × 10 )	0.0067	0.0052	0.0052
1 1				(0.0044)	(0.0036)	(0.0036)
HHI				, ,	-0.0001***	-0.0001***
					$(9.3 \times 10^{-6})$	$(9.3 \times 10^{-6})$
Just one $\times$ Time FE						
$Fixed\mbox{-}effects$						
Municipality	Yes	Yes	Yes	Yes	Yes	Yes
Month-Year	Yes	Yes	Yes	Yes	Yes	Yes
$Fit\ statistics$						
Observations	68,193	66,760	66,594	$66,\!524$	66,524	$66,\!524$
$\mathbb{R}^2$	0.92442	0.93031	0.93173	0.93239	0.93817	0.93817
Within R <sup>2</sup>	0.00279	0.09263	0.11113	0.11928	0.19450	0.19450

Dependent Variable:			ln/Total m	ımber of stations	,)	
Model:	(1)	(2)	m(10tar m)	(4)	(5)	(6)
Model.	(1)	(2)	(9)	(4)	(0)	(0)
Variables						
Placebo $\times$ Just one	0.0632***	$0.0284^{**}$	0.0092	0.0099	0.0020	0.0020
	(0.0125)	(0.0112)	(0.0097)	(0.0096)	(0.0085)	(0.0085)
Total fleet		$2.61 \times 10^{-5***}$	$5.89 \times 10^{-5***}$	$5.6 \times 10^{-5***}$	$4.9 \times 10^{-5***}$	$4.9 \times 10^{-5***}$
		$(8.9 \times 10^{-6})$	$(7.93 \times 10^{-6})$	$(7.86 \times 10^{-6})$		$(7.22 \times 10^{-6})$
Population			$-7.57 \times 10^{-6***}$	$-7 \times 10^{-6***}$	$-5.9 \times 10^{-6**}$	$-5.9 \times 10^{-6**}$
			$(2.56 \times 10^{-6})$	'	,	$(2.33 \times 10^{-6})$
GDP per capita				0.0043**	0.0037***	$0.0037^{***}$
				(0.0018)	$(0.0014)_{2}$	$(0.0014)_{2}$
HHI					$-4.46 \times 10^{-5***}$	
					$(5.01 \times 10^{-6})$	$(5.01 \times 10^{-6})$
Just one $\times$ Time FE						
Fixed-effects						
Municipality	Yes	Yes	Yes	Yes	Yes	Yes
Month-Year	Yes	Yes	Yes	Yes	Yes	Yes
Fit statistics						
Observations	68,120	66,670	66,504	66,434	66,434	66,434
$\mathbb{R}^2$	0.93791	0.95322	0.95551	0.95633	0.96008	0.96008

0.29811

0.31171

0.37085

0.37085

Clustered (Municipality) standard-errors in parentheses Signif. Codes: \*\*\*: 0.01, \*\*: 0.05, \*: 0.1

0.00307

Within  $\mathbb{R}^2$ 

Dependent Variable:	ln(Number of independent stations)					
Model:	(1)	(2)	(3)	(4)	(5)	(6)
Variables						
Placebo $\times$ Just one	0.0235**	0.0067	0.0046	0.0058	0.0042	0.0042
	(0.0094)	(0.0080)	(0.0088)	(0.0088)	(0.0086)	(0.0086)
Total fleet		$1.3 \times 10^{-5***}$	$1.68 \times 10^{-5**}$	$1.47 \times 10^{-5*}$	$1.24 \times 10^{-5}$	$1.24 \times 10^{-5}$
Population		$(2.92 \times 10^{-5})$	$(8.28 \times 10^{-6})$ $-8.37 \times 10^{-7}$		$(8.08 \times 10^{-6})$ $-3.41 \times 10^{-8}$	$(8.08 \times 10^{-6})$ $-3.41 \times 10^{-8}$
ropulation			$(1.85 \times 10^{-6})$		$-3.41 \times 10$ $(1.81 \times 10^{-6})$	$-3.41 \times 10$ $(1.81 \times 10^{-6})$
GDP per capita			(1.00 × 10 )	0.0025**	0.0024**	0.0024**
1 1				(0.0011)	(0.0010)	(0.0010)
HHI					$-1.3 \times 10^{-5***}$	
					$(4.6 \times 10^{-6})$	$(4.6 \times 10^{-6})$
$\overline{\text{Just one} \times \text{Time FE}}$						
$Fixed\mbox{-}effects$						
Municipality	Yes	Yes	Yes	Yes	Yes	Yes
Month-Year	Yes	Yes	Yes	Yes	Yes	Yes
Fit statistics						
Observations	54,947	53,712	53,604	53,548	$53,\!548$	$53,\!548$
$\mathbb{R}^2$	0.94730	0.95304	0.95295	0.95331	0.95375	0.95375
Within $R^2$	0.00077	0.12207	0.12253	0.12990	0.13810	0.13810

 $\begin{tabular}{ll} Clustered (Municipality) standard-errors in parentheses \\ Signif. Codes: ***: 0.01, **: 0.05, *: 0.1 \end{tabular}$