

Smoking and Obesity

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github repository: <https://github.com/michpelle/tobaccoObesity>

Table and Figures

Year	Cigarette Sales Per Capita	Obesity Rate	Percent Change in Cigarette Sales	Percent Change in Obesity
2011	52.54	27.74	NA	NA
2012	50.82	28.00	-3.27	0.94
2013	48.93	28.82	-3.72	2.93
2014	46.71	29.34	-4.54	1.81
2015	46.35	29.53	-0.77	0.67
2016	45.12	30.09	-2.64	1.87
2017	43.59	30.96	-3.39	2.89
2018	41.11	31.63	-5.68	2.19

% Table created by stargazer v.5.2.3 by Marek Hlavac, Social Policy Institute. E-mail: marek.hlavac@gmail.com % Date and time: Mon, May 02, 2022 - 17:15:02

```
##
## =====
##
## -----
##
##                                     OLS
##
##                                     (1)          (2)
## -----
## ln_sales                0.145***          -0.368***
##                        (0.011)          (0.022)
## Constant                2.835***
##                        (0.043)
## -----
## State FE, No , Yes , Yes , No , Yes , Yes
## Year FE , No , No , Yes , No , No , Yes
## Observations                408                408
## R2                        0.285                1.000
## Adjusted R2              0.284                1.000
## Residual Std. Error      0.102 (df = 406)      0.043 (df = 356)
## F Statistic             162.205*** (df = 1; 406) 48,425.530*** (df = 52; 356) 63,0
```

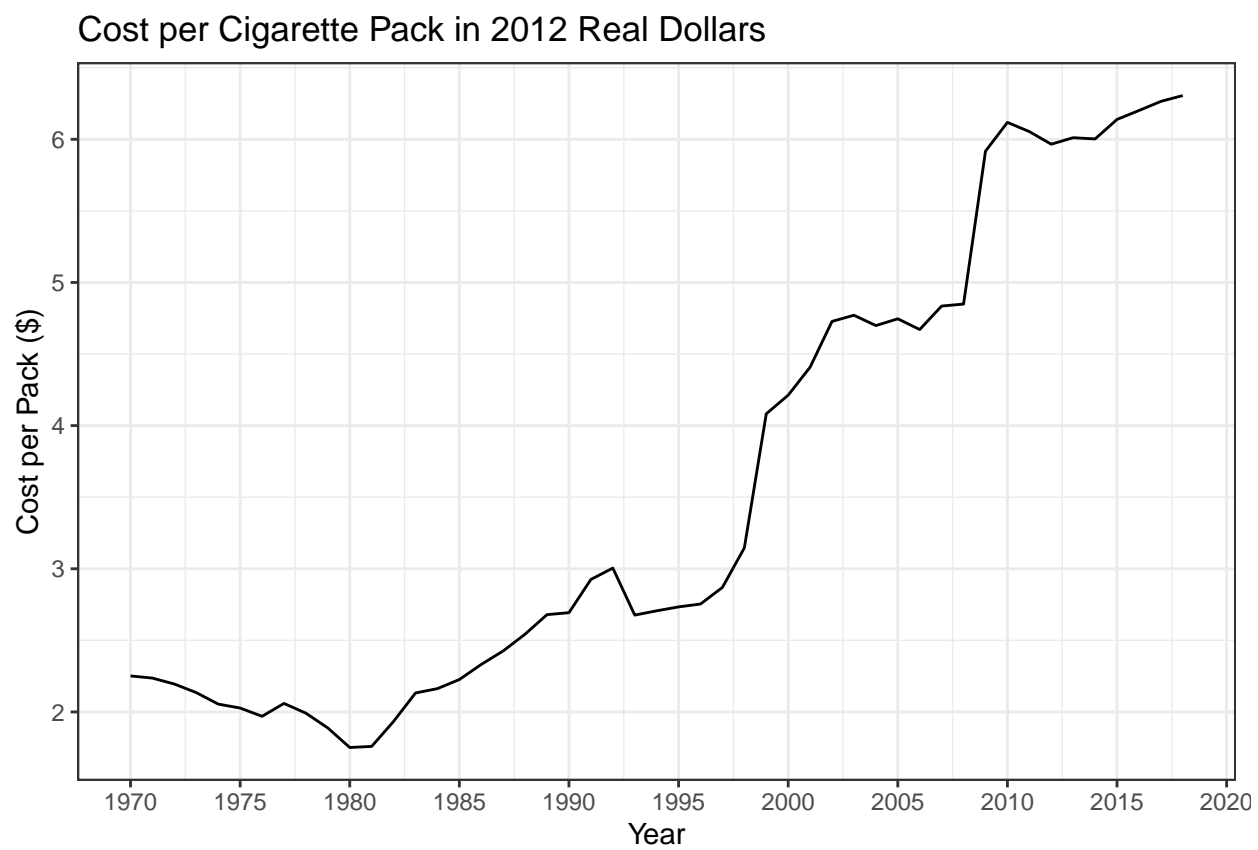


Figure 1: Figure 1

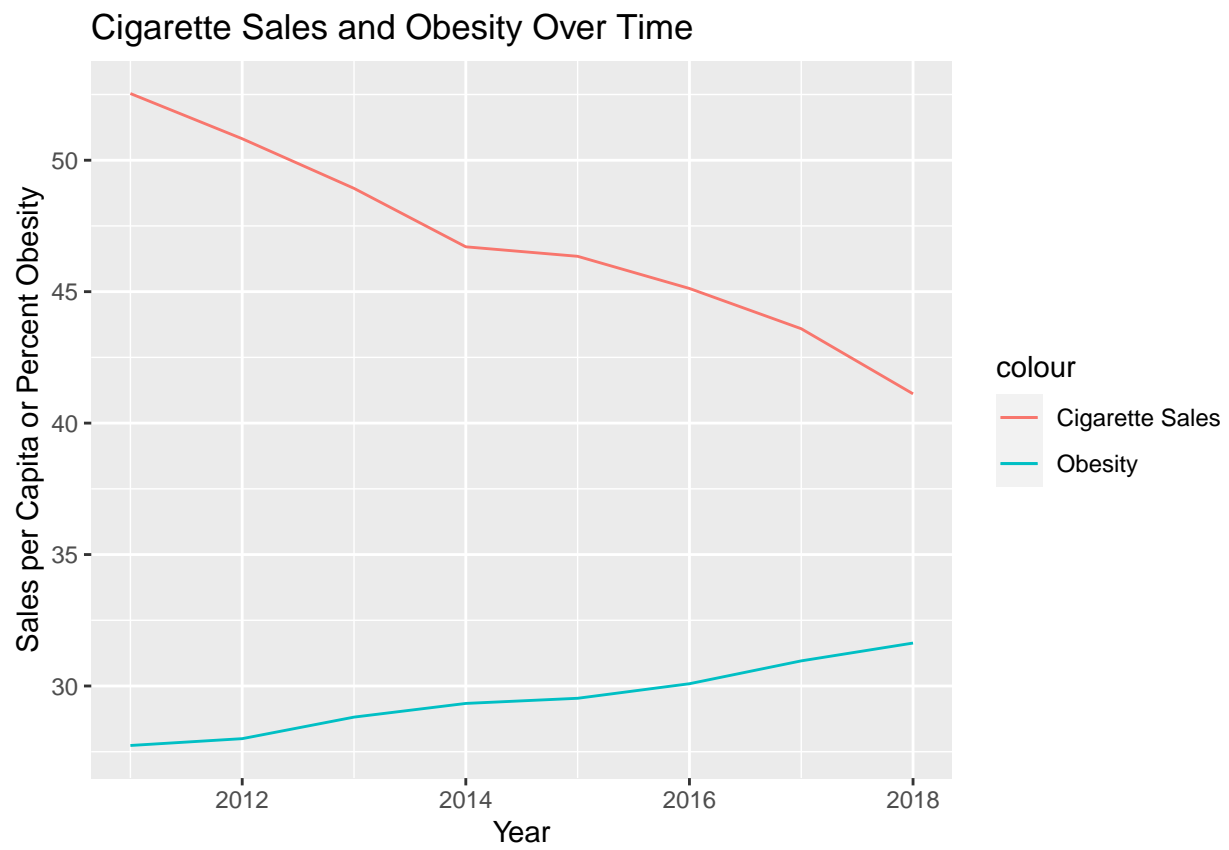


Figure 2: Figure 2

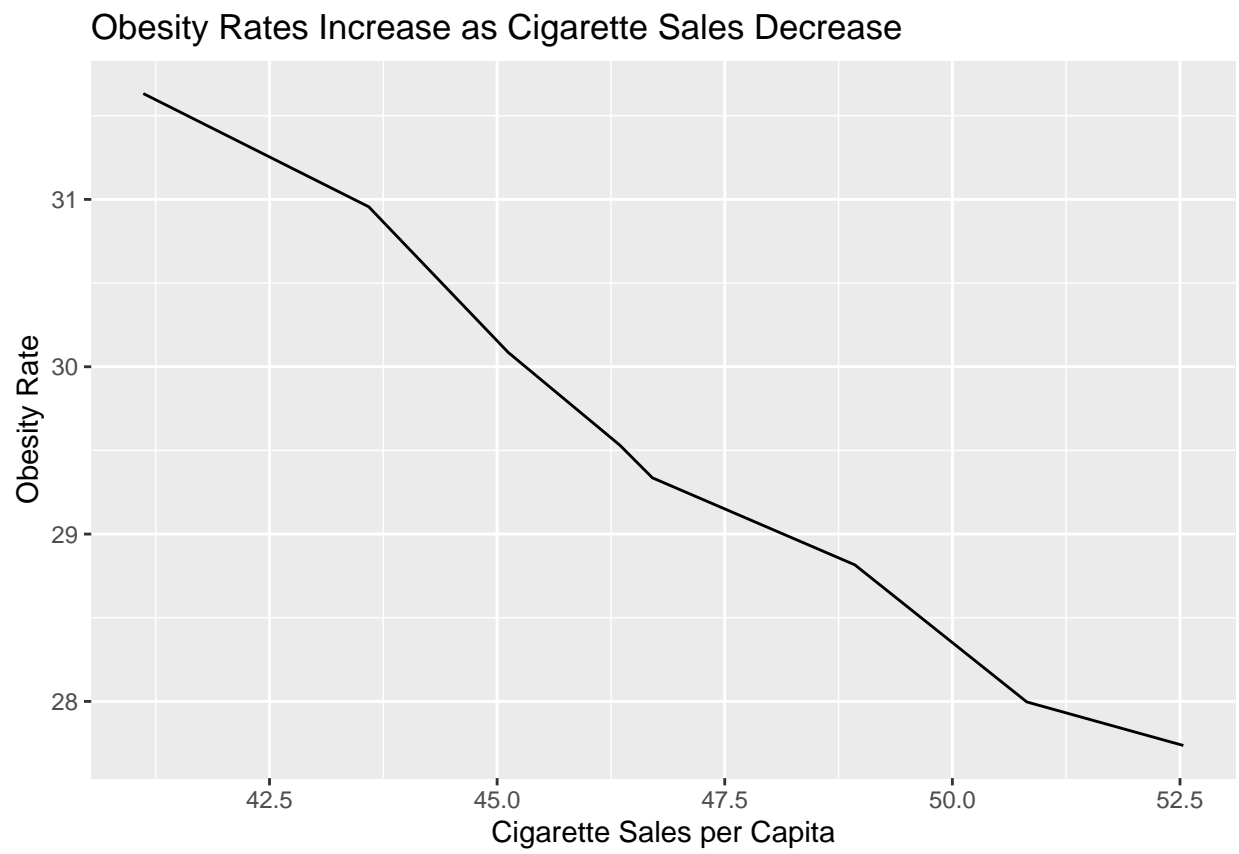


Figure 3: Figure 3

Table 2:

	<i>Dependent variable:</i>	
	sales_per_capita	
	OLS	
	(1)	(2)
	firstStagePrice	firstStageTaxes
cost_per_pack	-9.477*** (0.539)	
tax_dollar		-12.021*** (0.728)
Constant	106.824*** (3.487)	78.393*** (2.053)
Observations	408	408
R ²	0.432	0.402
Adjusted R ²	0.431	0.400
Residual Std. Error (df = 406)	14.956	15.355
F Statistic (df = 1; 406)	309.353***	272.648***
<i>Note:</i> *p<0.1; **p<0.05; ***p<0.01		

=====
Note:

```
## [1] ""
## [2] "=====
## [3] "
## [4] "          -----
## [5] "
## [6] "                                     OLS
## [7] "
## [8] "                                     (1)          (2)
## [9] "-----
## [10] "ln_sales          0.145***          -0.368***
## [11] "          (0.011)          (0.022)
## [12] "Constant          2.835***
## [13] "          (0.043)
## [14] "-----
## [15] "State FE, No , Yes , Yes , No , Yes , Yes
## [16] "Year FE , No , No , Yes , No , No , Yes
## [17] "Observations          408          408
## [18] "R2          0.285          1.000
## [19] "Adjusted R2          0.284          1.000
## [20] "Residual Std. Error          0.102 (df = 406)          0.043 (df = 356)
## [21] "F Statistic          162.205*** (df = 1; 406) 48,425.530*** (df = 52; 356)
## [22] "=====
## [23] "Note:
```

Table 3:

	<i>Dependent variable:</i>	
	ln_sales	ln_obesity
	<i>OLS</i>	<i>OLS</i>
	(1)	(2)
	firstStage	reducedForm
ln_cost	-1.541*** (0.076)	-0.234*** (0.027)
Constant	6.562*** (0.139)	3.806*** (0.049)
Observations	408	408
R ²	0.506	0.159
Adjusted R ²	0.505	0.157
Residual Std. Error (df = 406)	0.314	0.111
F Statistic (df = 1; 406)	415.895***	76.633***
<i>Note:</i>	*p<0.1; **p<0.05; ***p<0.01	