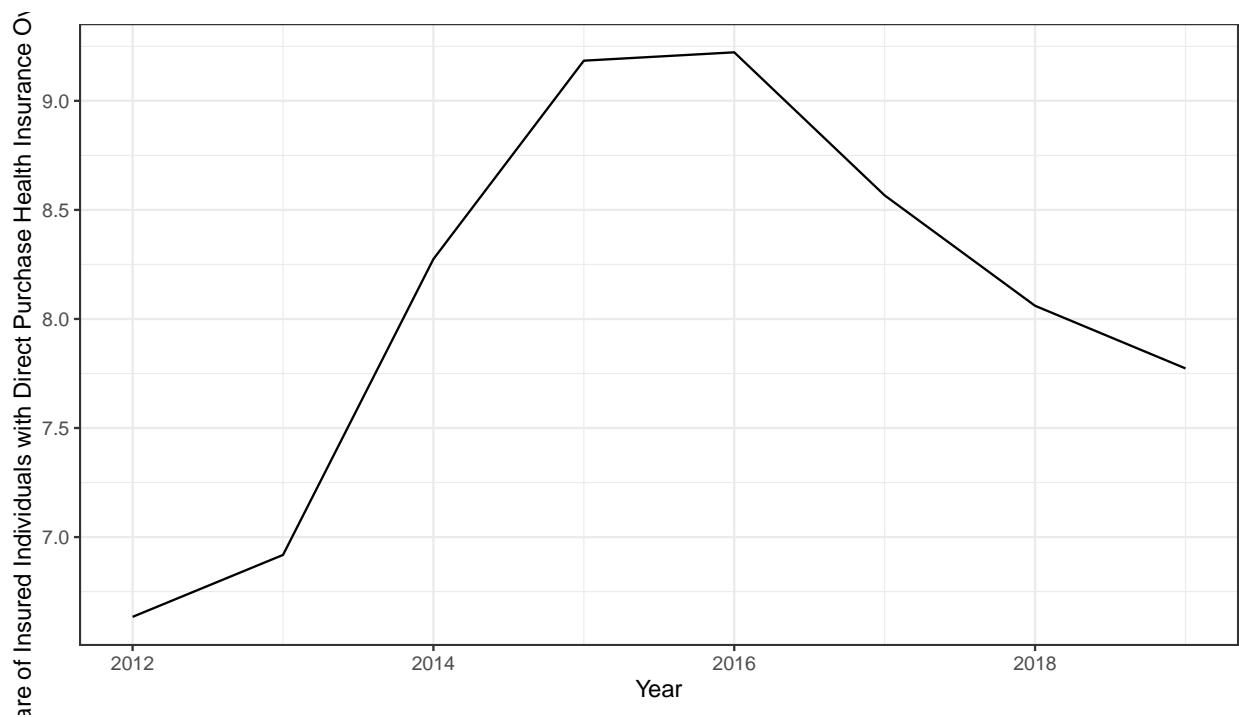


Homework 5

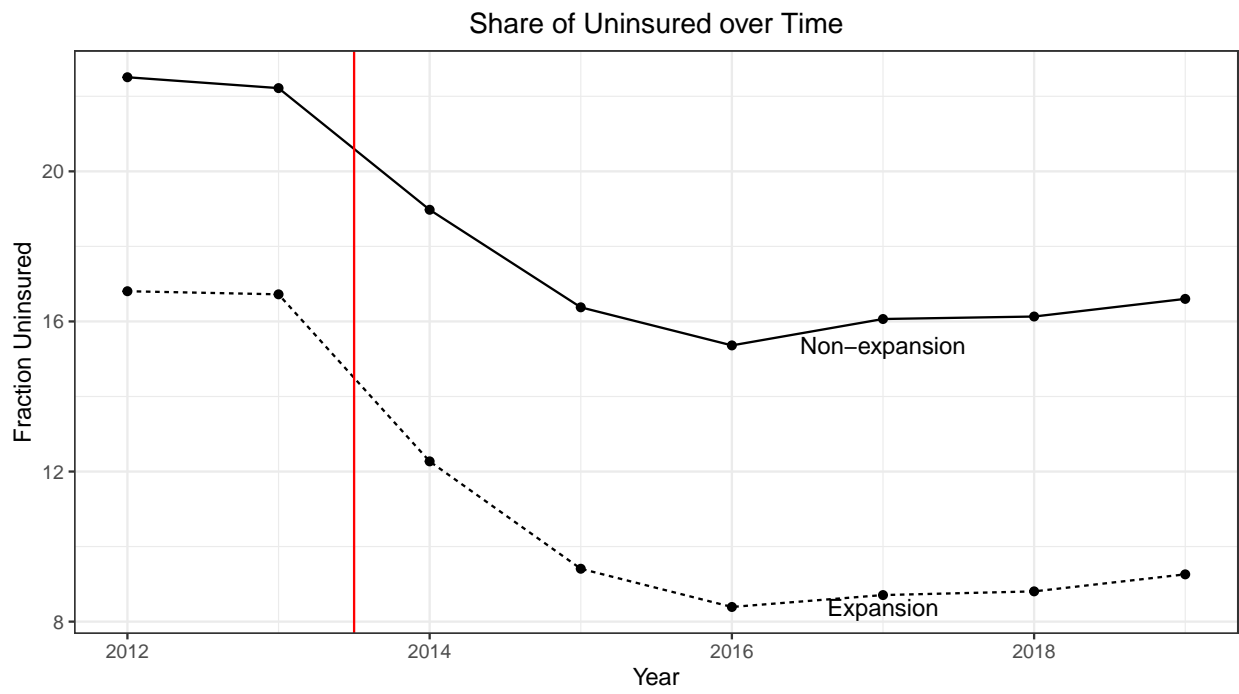
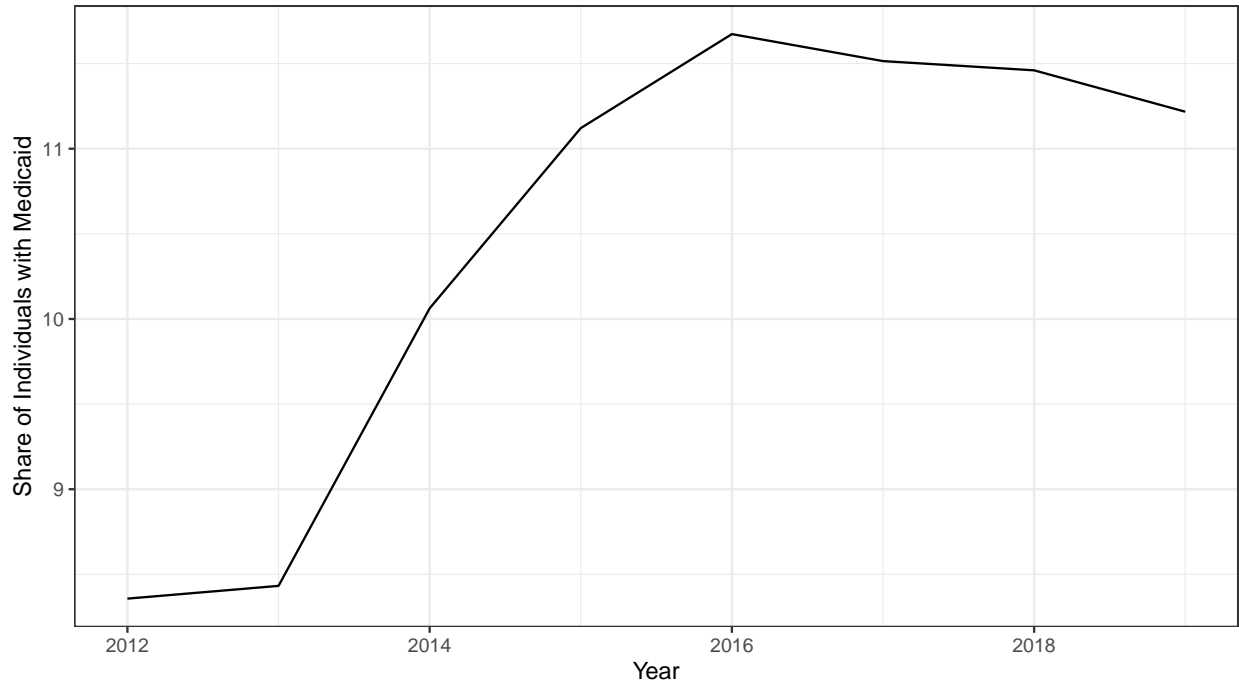
Alexia Witthaus Viñé

2023-04-17

1 Summary of the data



Some of the policies leading to the reduction could be on the one hand the expansion of Medicaid. Some people who previously had to directly purchase their insurance, are now eligible for Medicaid, which is why they don't purchase their insurance anymore.



2 Estimate of the ATE's

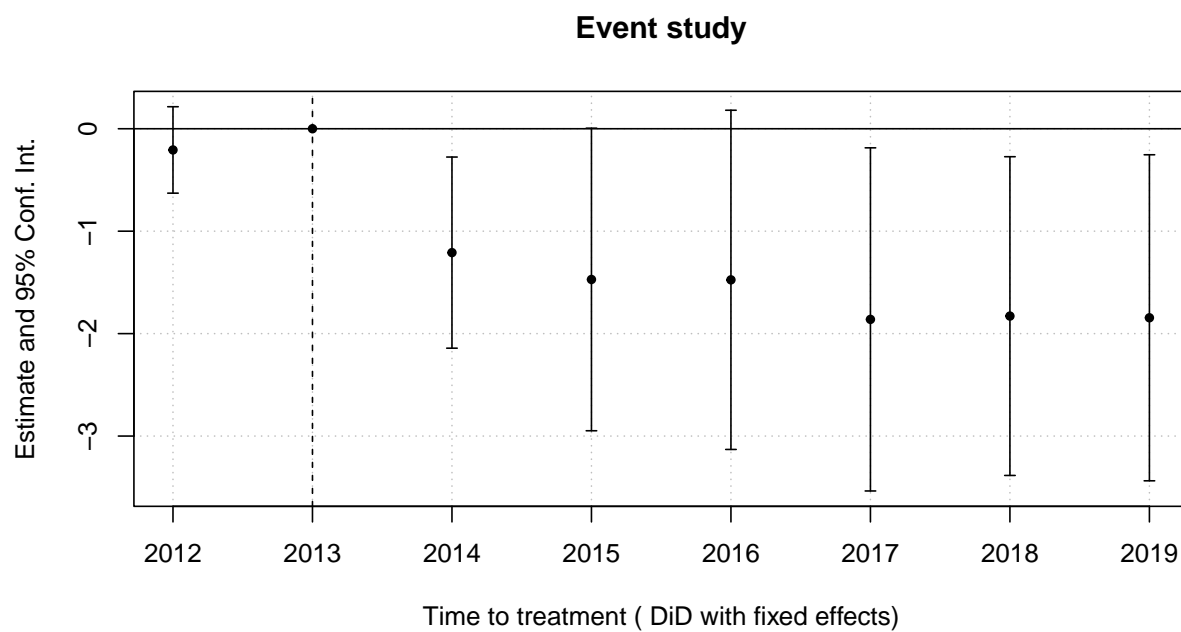
2.1 Differences in Averages

Table 1: Differences in averages

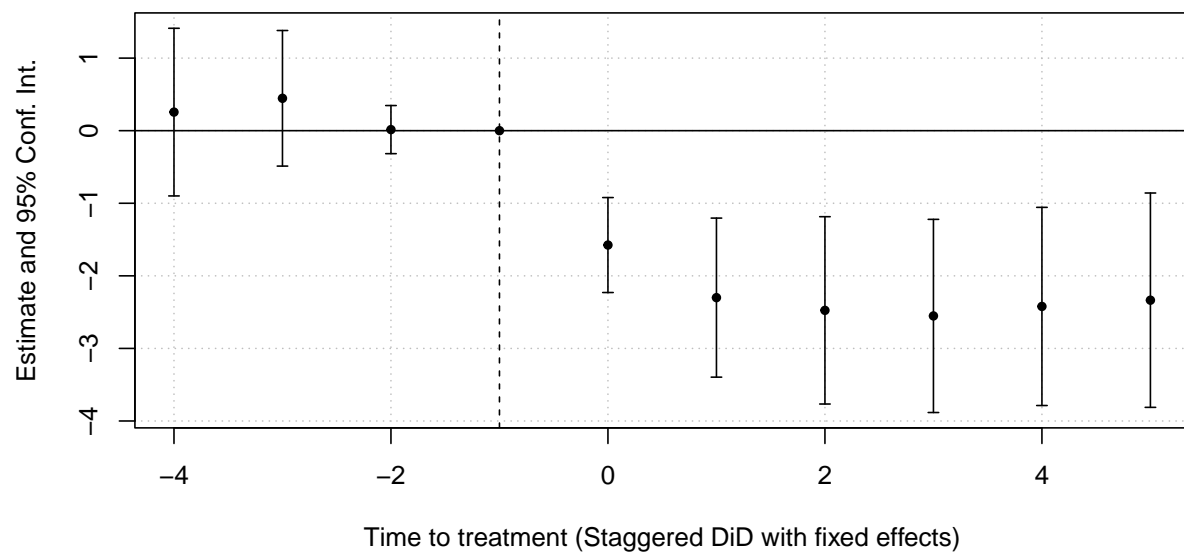
expand_ever	2012	2015
States that never expanded Medicaid	21.99845	16.19332
States that expanded in 2014	17.87624	10.96019

2.2 Different regressions

The results don't seem too different from each other.



Event study



	DiD estimation	DiD with fixed effects	Staggered DiD
(Intercept)	22.363 (0.888)		
expand_everTRUE	-5.599 (1.053)		
postTRUE	-5.778 (1.025)		
treat	-1.512 (1.216)		
year = 2012 \times expand_ever		-0.207 (0.215)	
year = 2014 \times expand_ever		-1.209 (0.476)	
year = 2015 \times expand_ever		-1.471 (0.753)	
year = 2016 \times expand_ever		-1.475 (0.845)	
year = 2017 \times expand_ever		-1.861 (0.855)	
year = 2018 \times expand_ever		-1.829 (0.794)	
year = 2019 \times expand_ever		-1.845 (0.812)	
time_to_treat = -4 \times expand_ever			0.256 (0.589)
time_to_treat = -3 \times expand_ever			0.446 (0.477)
time_to_treat = -2 \times expand_ever			0.015 (0.169)
time_to_treat = 0 \times expand_ever			-1.576 (0.334)
time_to_treat = 1 \times expand_ever			-2.300 (0.559)
time_to_treat = 2 \times expand_ever			-2.476 (0.658)
time_to_treat = 3 \times expand_ever			-2.552 (0.679)
time_to_treat = 4 \times expand_ever			-2.422 (0.697)
time_to_treat = 5 \times expand_ever			-2.336 (0.753)
Num.Obs.	304	304	408
R2	0.516	0.951	0.951
R2 Adj.	0.511	0.941	0.941
R2 Within		0.054	0.155
R2 Within Adj.		0.027	0.133
AIC	1734.1	1132.8	1477.4
BIC	1749.0	1326.1	1746.1
RMSE	4.14	1.31	1.26
Std.Errors	IID	by: State	by: State
FE: State		X	X
FE: year		X	X