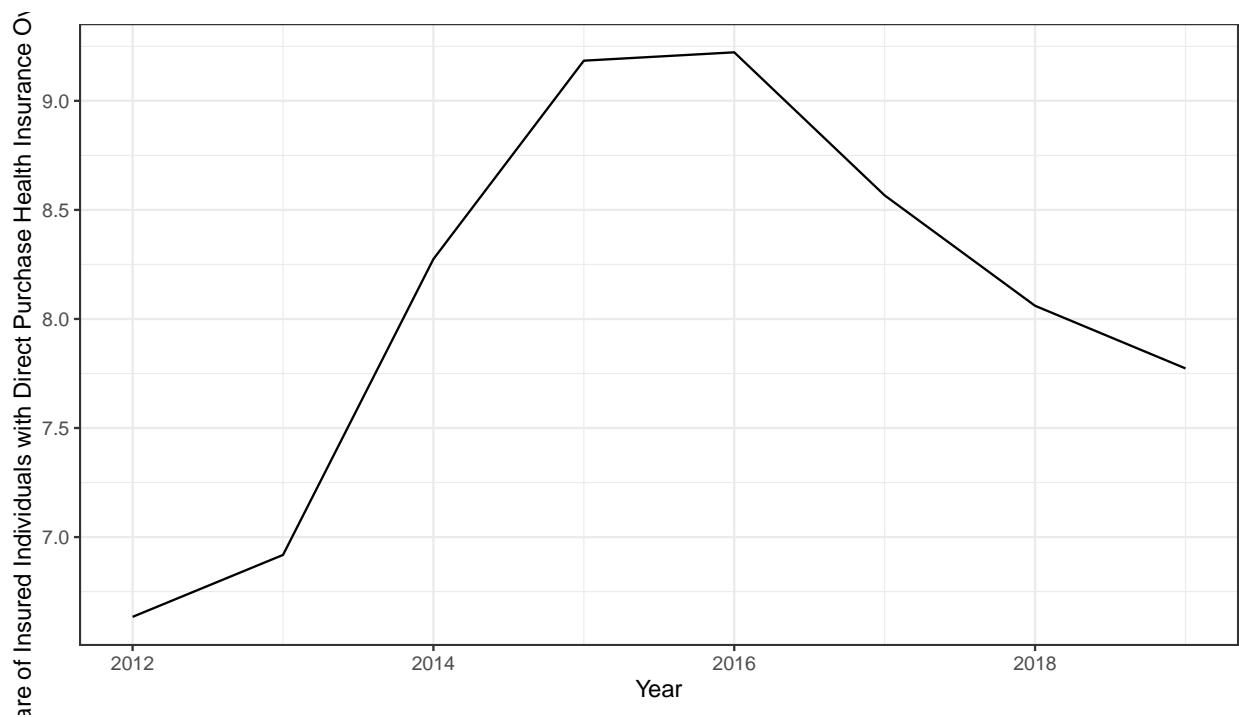


Homework 5

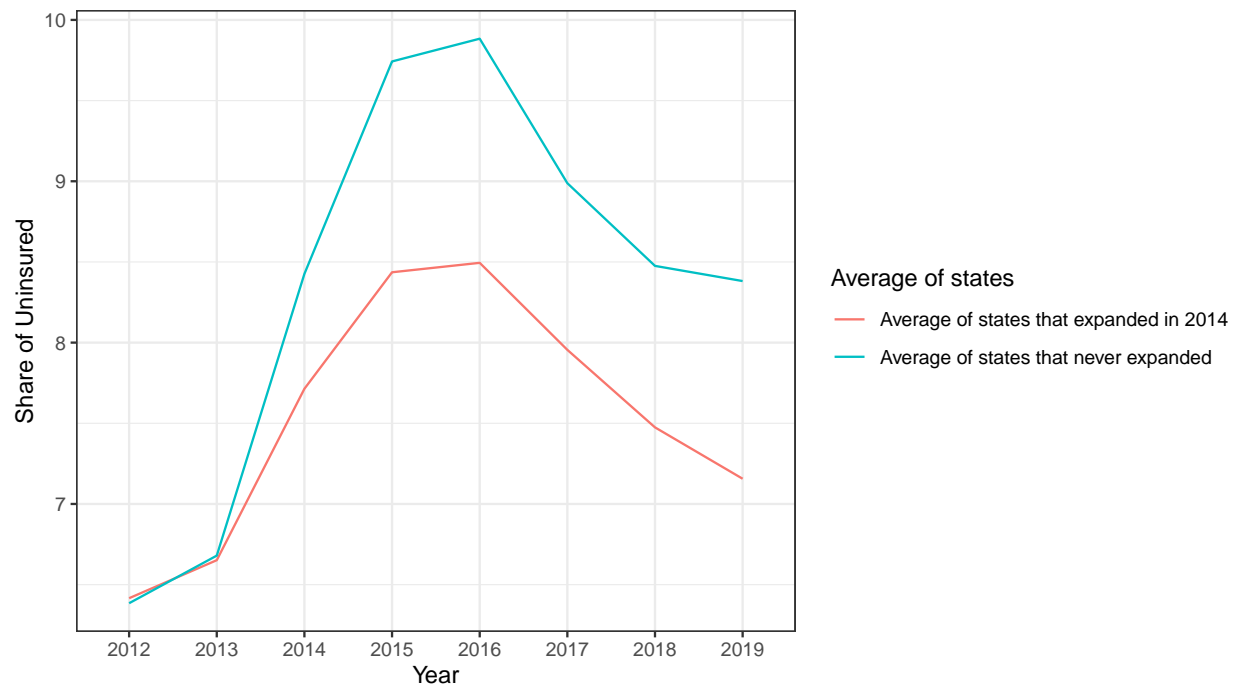
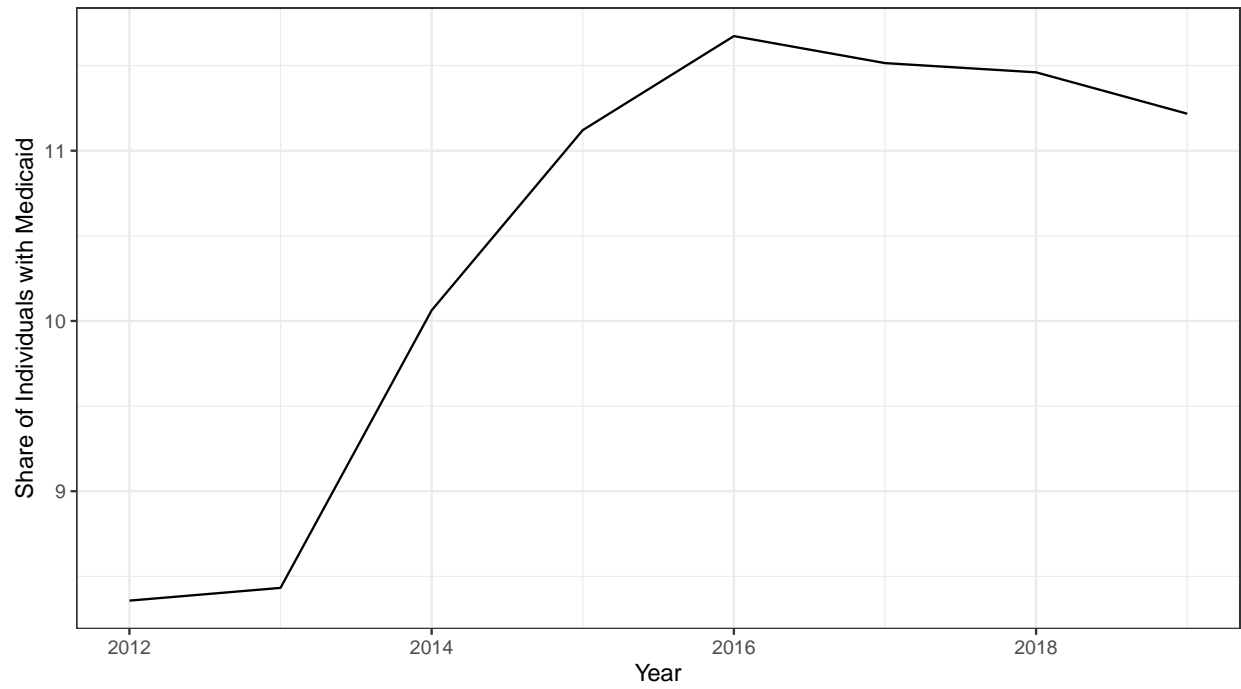
Alexia Witthaus Viñé

2023-04-15

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

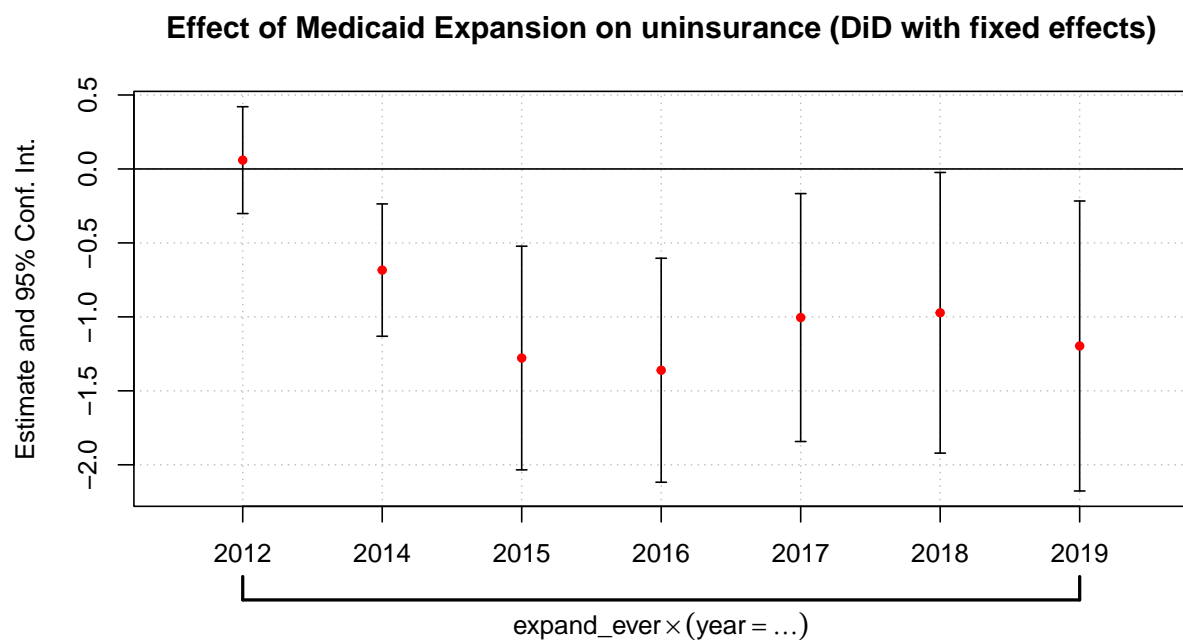
2.1 Differences in Averages

Table 1: Differences in averages

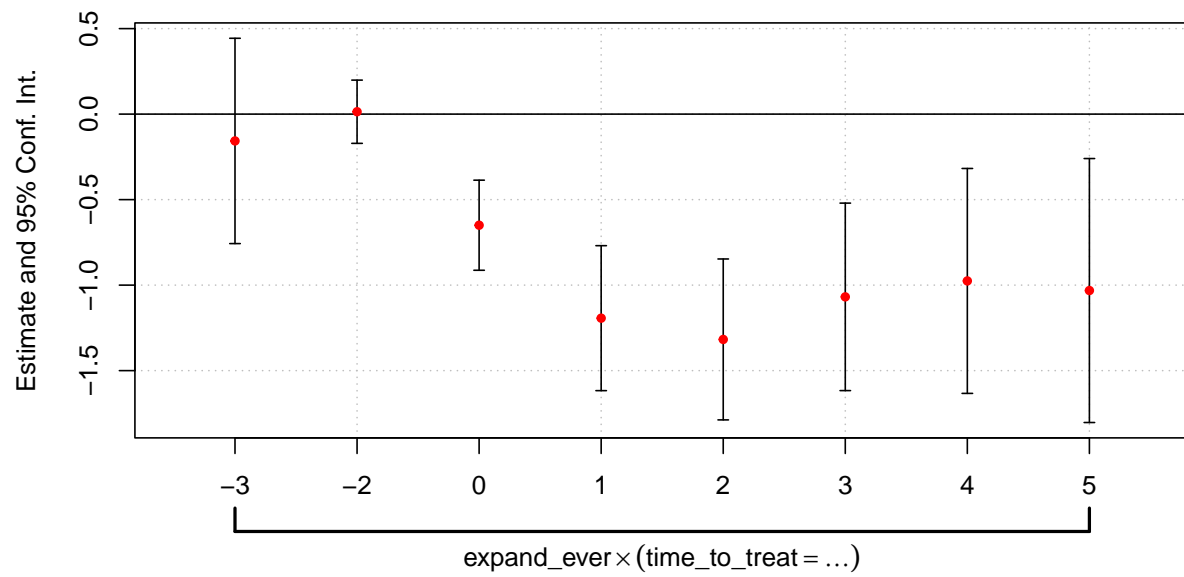
expand_ever	2012	2015
States that never expanded Medicaid	6.384775	9.742631
States that expanded in 2014	6.415987	8.435992

2.2 Different regressions

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



Effect of Medicaid Expansion on uninsurance (Staggered DiD with fixed effects)



	DiD estimation	DiD with fixed effects	Staggered DiD
(Intercept)	6.532 (0.326)		
treatment	0.001 (0.386)		
time	2.451 (0.376)		
treatment \times time	-1.113 (0.446)		
year = 2012 \times expand_ever		0.060 (0.184)	
year = 2014 \times expand_ever		-0.684 (0.228)	
year = 2015 \times expand_ever		-1.278 (0.386)	
year = 2016 \times expand_ever		-1.361 (0.386)	
year = 2017 \times expand_ever		-1.005 (0.428)	
year = 2018 \times expand_ever		-0.972 (0.484)	
year = 2019 \times expand_ever		-1.197 (0.500)	
time_to_treat = -3 \times expand_ever			-0.157 (0.306)
time_to_treat = -2 \times expand_ever			0.014 (0.094)
time_to_treat = 0 \times expand_ever			-0.650 (0.134)
time_to_treat = 1 \times expand_ever			-1.193 (0.216)
time_to_treat = 2 \times expand_ever			-1.318 (0.240)
time_to_treat = 3 \times expand_ever			-1.069 (0.280)
time_to_treat = 4 \times expand_ever			-0.975 (0.336)
time_to_treat = 5 \times expand_ever			-1.032 (0.394)
Num.Obs.	304	304	400
R2	0.235	0.910	0.930
R2 Adj.	0.227	0.892	0.916
R2 Within		0.170	0.206
R2 Within Adj.		0.147	0.187
AIC	1126.1	569.7	728.2
BIC	1144.7	763.0	987.6
Log.Lik.	-558.041		
F	30.729		
RMSE	1.52	0.52	0.51
Std.Errors		by: State	by: State
FE: State		X	X
FE: year		X	X