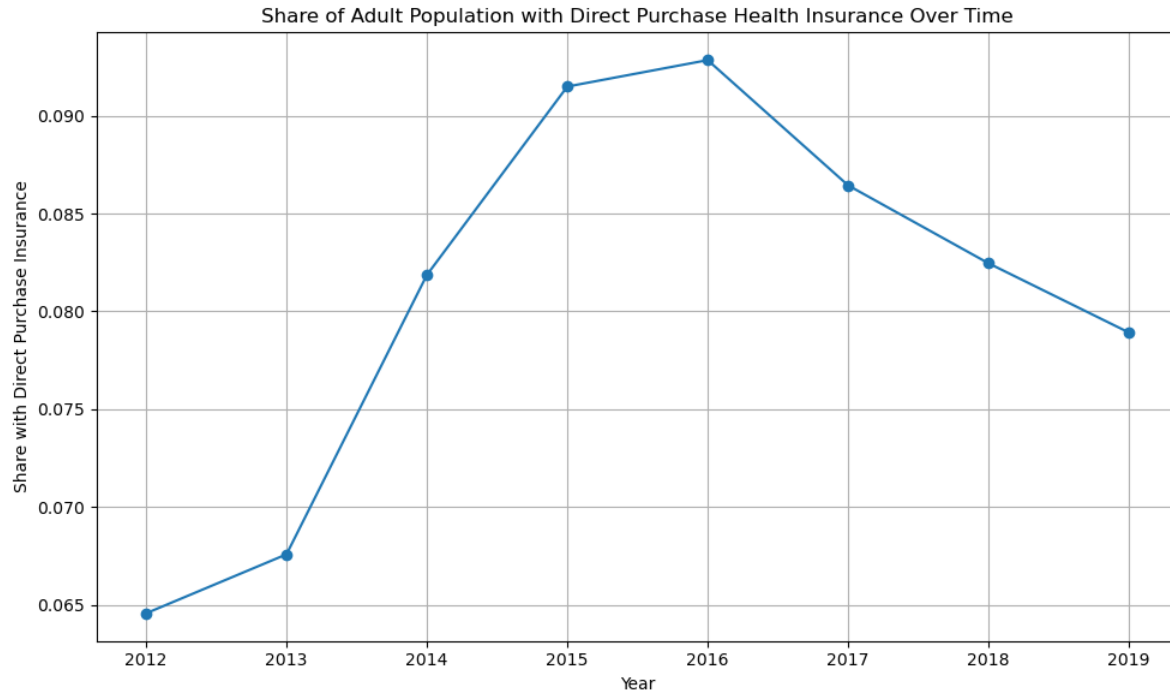


## HOMEWORK #5 BY AVANTH PAKANATI

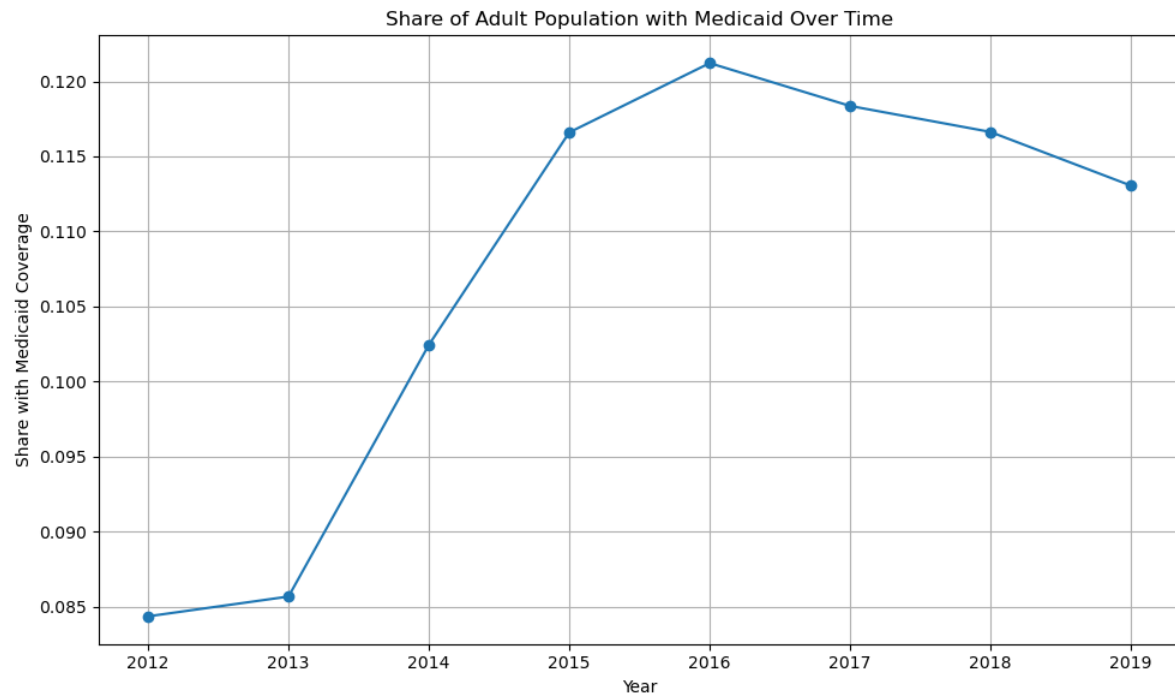
[ACCESS GITHUB HERE](#)

### Question 1

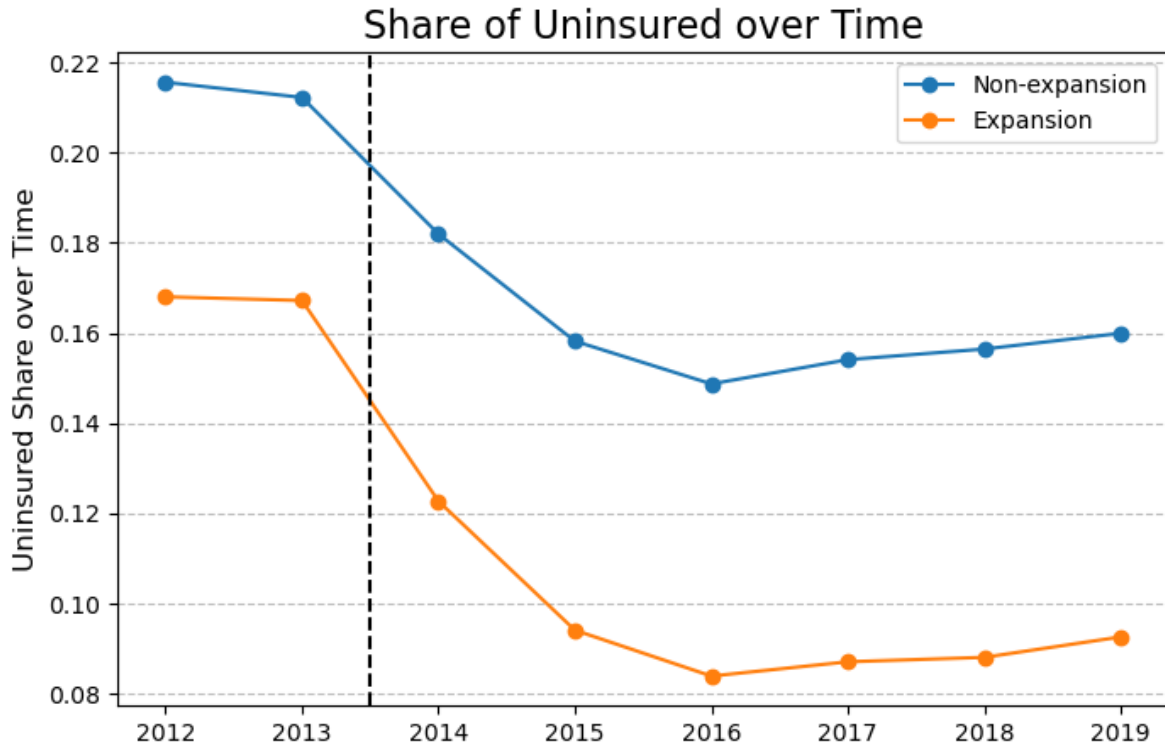


Question 2: Initially the share of adults with direct purchase health insurance increased due to the ACA, but several policy changes caused it to decline in the years after. Several policy weakened the marketplace of the ACA. The federal government significantly cut down the funding for the ACA and this led to lower public awareness.

### Question 3



Question 4



Question 5

year	2012	2015
Non-Expansion States	0.215653	0.158208
Expansion States	0.168052	0.094090

Question 6

Table 1: OLS Regression Results

Dep. Variable:	uninsured_share	R-squared:	0.506
Model:	OLS	Adj. R-squared:	0.502
Method:	Least Squares	F-statistic:	135.8
Date:	Sat, 03 May 2025	Prob (F-statistic):	5.93e-22
Time:	15:56:45	Log-Likelihood:	628.45
No. Observations:	352	AIC:	-1249.
Df Residuals:	348	BIC:	-1233.
Df Model:	3		
Covariance Type:	cluster		

	coef	std err	z	P> z	[0.025	0.975]
Intercept	0.2140	0.011	19.009	0.000	0.192	0.236
D	-0.0463	0.016	-2.928	0.003	-0.077	-0.015
Post	-0.0541	0.003	-15.477	0.000	-0.061	-0.047
D_Post	-0.0188	0.007	-2.680	0.007	-0.033	-0.005

Omnibus:	5.959	Durbin-Watson:	1.816
Prob(Omnibus):	0.051	Jarque-Bera (JB):	5.716
Skew:	0.294	Prob(JB):	0.0574
Kurtosis:	3.212	Cond. No.	11.2

	Standard DD
Post 2014	-0.054 (0.003)
Expand	-0.046 (0.016)
Post Expand	-0.019 (0.007)
Num. Obs.	352
R2	0.506

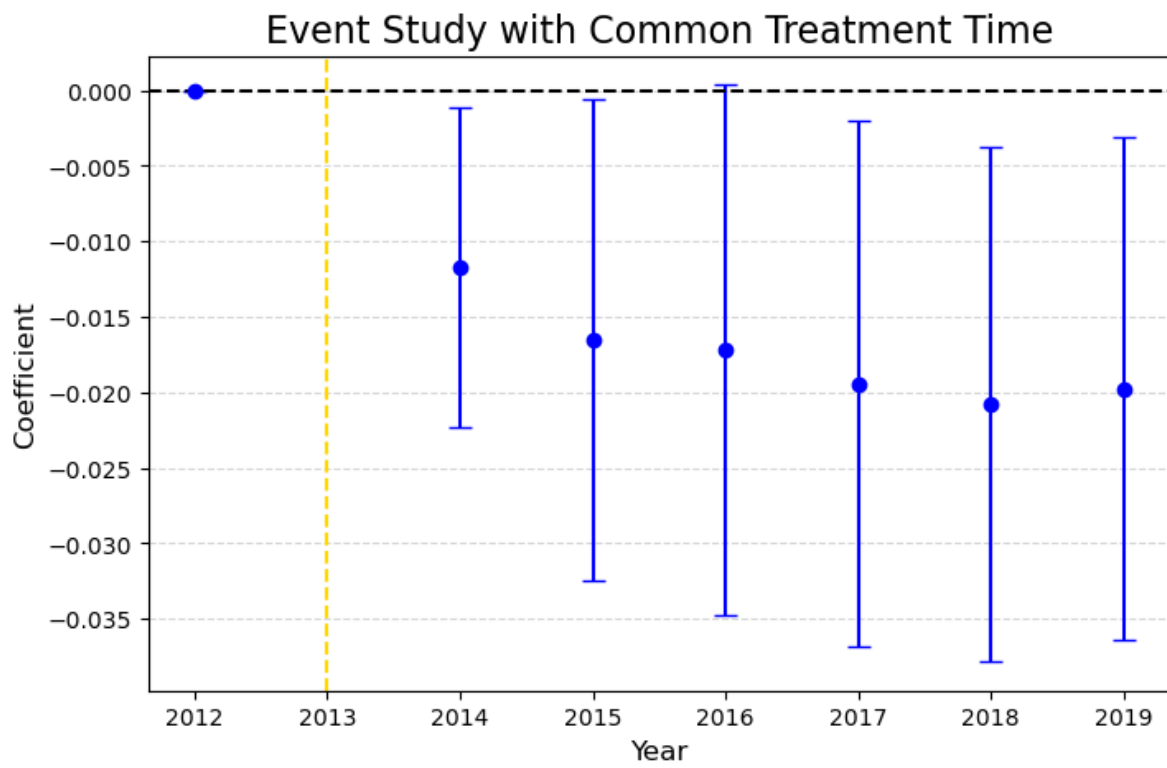
Question 7

	Standard DD	TWFE
Post 2014	-0.054 (0.003)	
Expand	-0.046 (0.016)	
Post x Expand	-0.019 (0.007)	-0.019 (0.008)
Num. Obs.	352	352
R2	0.506	0.952

Question 8

	Standard DD	TWFE Time-varying Treatment
Post 2014	-0.054 (0.003)	
Expand	-0.046 (0.016)	
Post x Expand	-0.019 (0.007)	-0.019 (0.008)
Num. Obs.	352	352
R2	0.506	0.952

Question 9



Question 10

