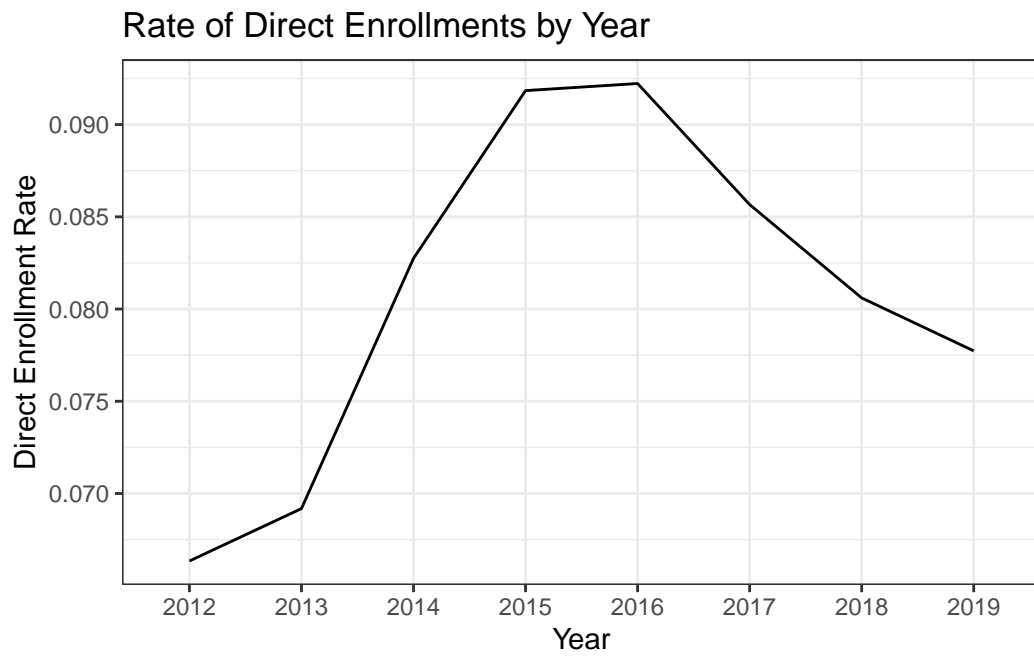


Homework 5

Varun Saxena

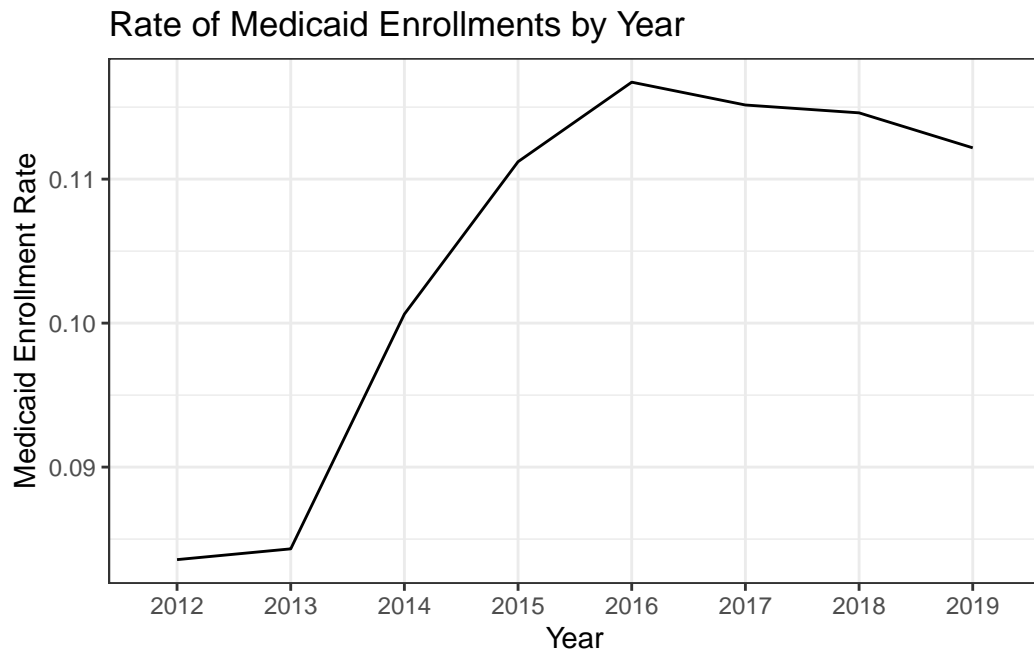
Loading required package: pacman

1.

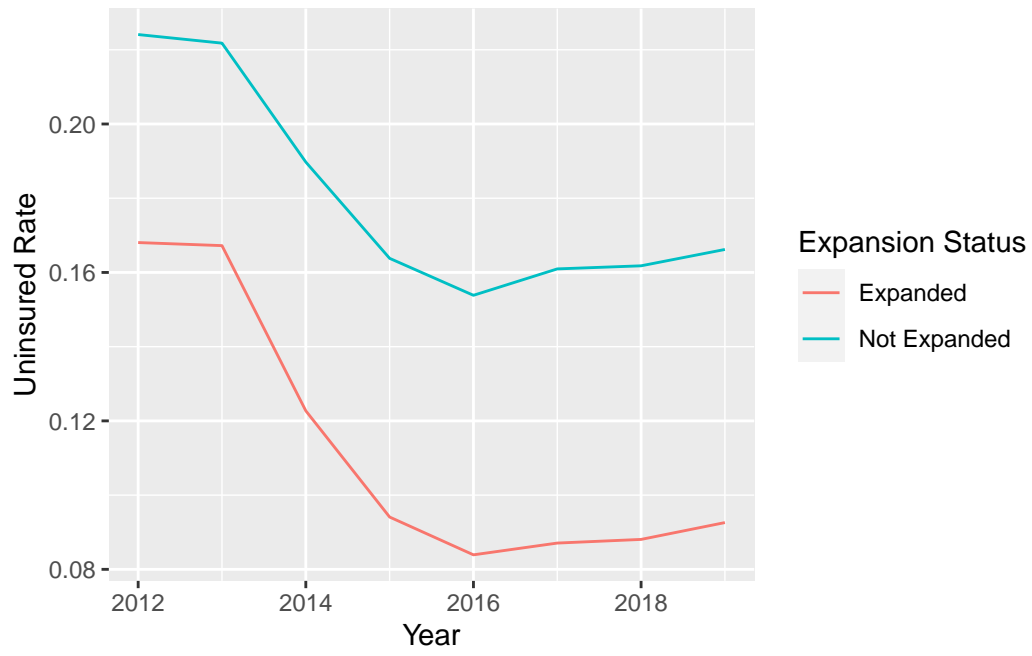


2. The repealing of the individual mandate likely contributed to the decline in enrollment for health insurance plans.

3.



4.



5.

Year	Expanded	NotExpanded
2012	16.8%	22.4%
2015	9.41%	16.4%

6.

Call:

```
lm(formula = perc_unins ~ post + expand_ever + post * expand_ever,  
    data = reg.dat)
```

Residuals:

Min	1Q	Median	3Q	Max
-0.11567	-0.02461	-0.00527	0.02542	0.11760

Coefficients:

	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	0.222946	0.009429	23.644	< 2e-16 ***
postTRUE	-0.056892	0.010888	-5.225	3.32e-07 ***
expand_everTRUE	-0.055307	0.011038	-5.011	9.42e-07 ***
postTRUE:expand_everTRUE	-0.016007	0.012746	-1.256	0.21

Signif. codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

Residual standard error: 0.04217 on 292 degrees of freedom

Multiple R-squared: 0.5043, Adjusted R-squared: 0.4992

F-statistic: 99.03 on 3 and 292 DF, p-value: < 2.2e-16

7.

OLS estimation, Dep. Var.: perc_unins

Observations: 296

Fixed-effects: State: 37, year: 8

Standard-errors: Clustered (State)

	Estimate	Std. Error	t value	Pr(> t)
postTRUE:expand_everTRUE	-0.016007	0.007615	-2.10206	0.042608 *

... 2 variables were removed because of collinearity (postTRUE and expand_everTRUE)

Signif. codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

RMSE: 0.013335 Adj. R2: 0.940943

Within R2: 0.050587

8.

OLS estimation, Dep. Var.: perc_unins

Observations: 408

Fixed-effects: State: 51, year: 8

Standard-errors: Clustered (State)

	Estimate	Std. Error	t value	Pr(> t)
postTRUE:expand_everTRUE	-0.010906	0.006377	-1.71036	0.093398

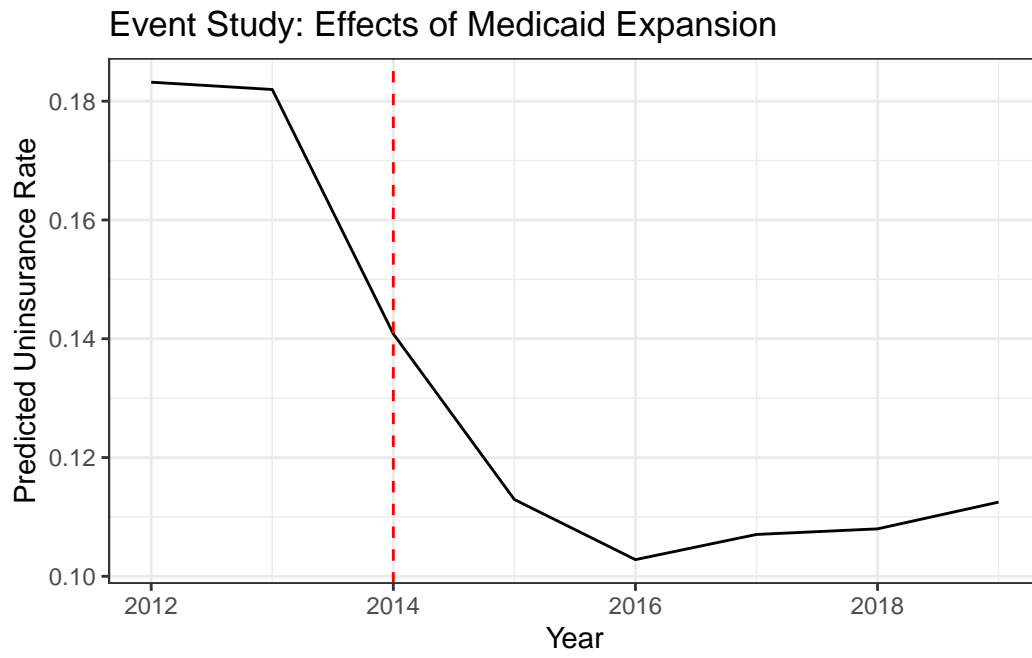
... 2 variables were removed because of collinearity (postTRUE and expand_everTRUE)

Signif. codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

RMSE: 0.013528 Adj. R2: 0.933388

Within R2: 0.018849

9.



10.

