# Homework5 Submission3

**https://github.com/modugbe/homework5**

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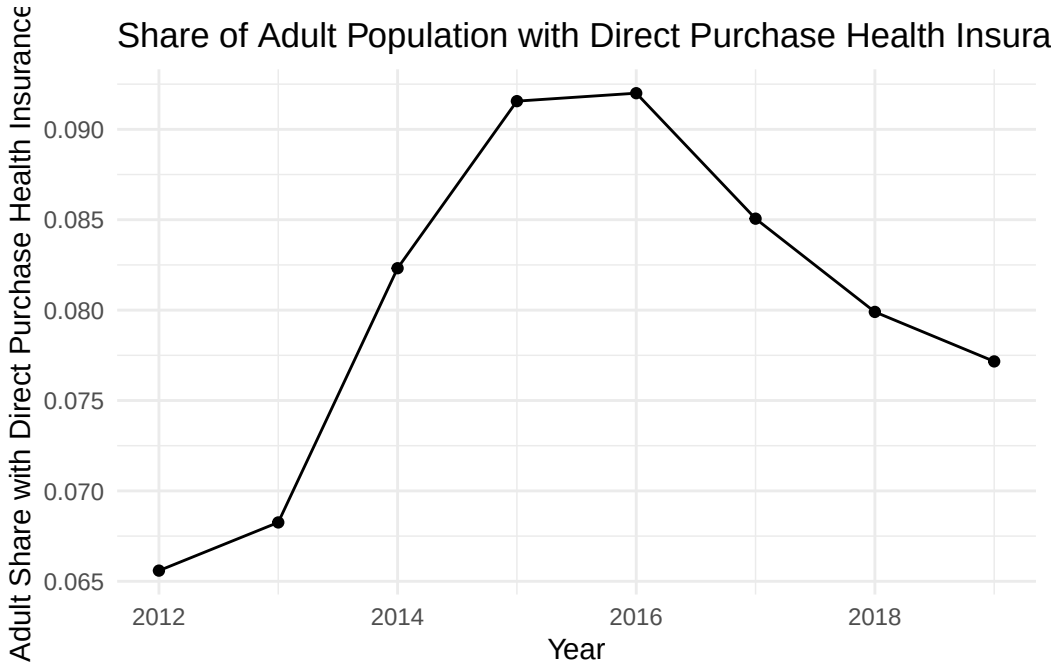
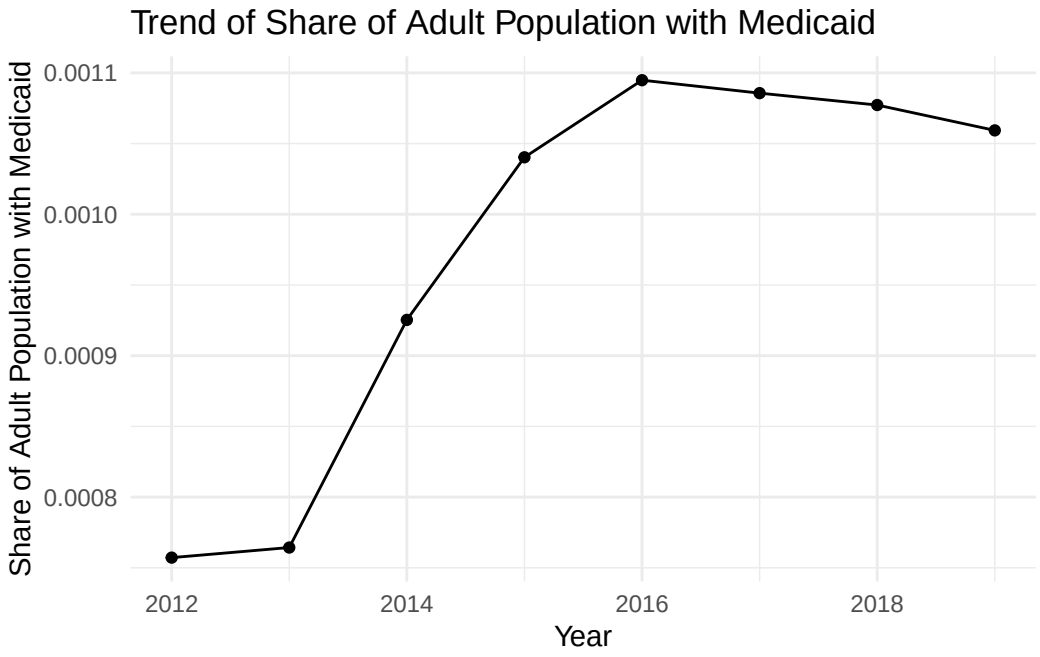
#Question 1

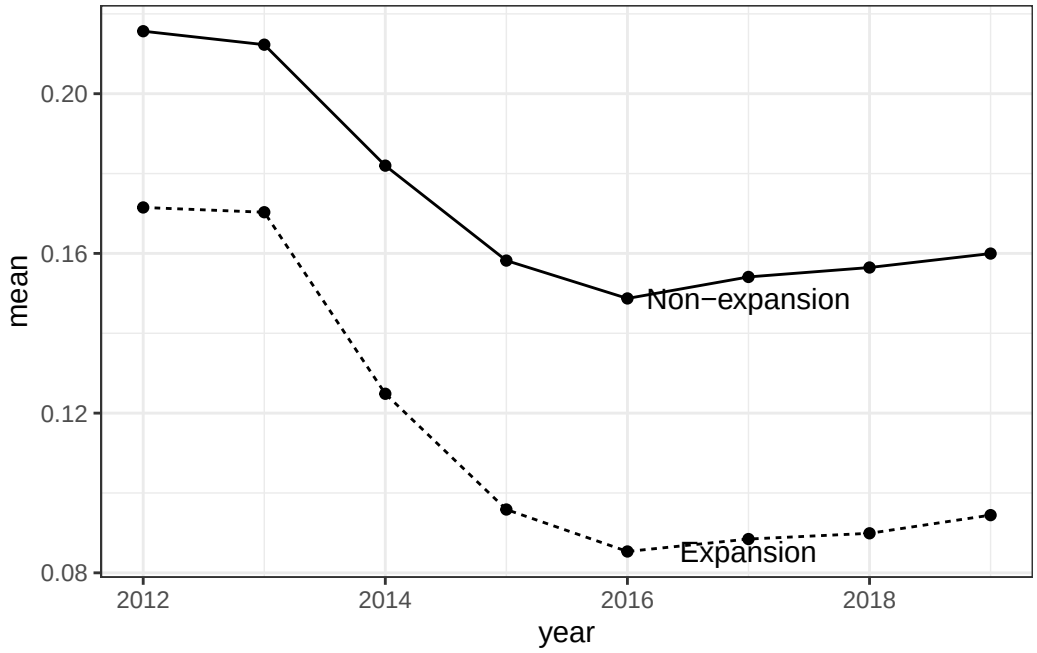

Share of Adult Population with Direct Purchase Health Insura
Adult Share with Direct Purchase Health Insurance
0.090
0.085
0.080
0.075
0.070
0.065
2012
2014
2016
2018
Year

#Question 2 The initial increase in self purchase resulted from the establishment of the exchange. However when the exchange lacked support by the Trump administration that started in 2016, we see a decrease in self purchase. One specific policy was the scale back of funding for navigators. That administration also reduced federal role in the ACA and transferred enrolment responsibility from the federal marketplace to private web brokers. (https://www.commonwealthfund.org/blog/2018/affordable-care-act-under-trump-administration)

#Question 3


Trend of Share of Adult Population with Medicaid
Share of Adult Population with Medicaid
0.0011
0.0010
0.0009
0.0008
2012
2014
2016
2018
Year

#Question 4


0.20
0.16
0.12
0.08
mean
2012
2014
2016
2018
year
Non−expansion
Expansion

#Question 5

Table 1: DD Table for Medicaid Expansion

| Group | Pre | Post |
|---|---|---|
| Non-expansion | 0.2156531 | 0.1582075 |
| Expansion | 0.1715112 | 0.0958563 |

#Question 6

Table 2: DD Estimates for Medicaid Expansion

[!h]

| | (1) |
|---|---|
| (Intercept) | 0.214 |
| | (0.007) |
| Post 2014 | −0.054 |
| | (0.008) |
| Expand | −0.043 |
| | (0.009) |
| Post x Expand | −0.020 |
| | (0.010) |
| Num.Obs. | 344 |
| R2 | 0.508 |
| RMSE | 0.04 |

#Question 7

Table 3: DD Estimates for Medicaid Expansion with TWFE

[!h]

| | Standard DD | TWFE |
|---|---|---|
| (Intercept) | 0.214 | |
| | (0.007) | |
| Post 2014 | −0.054 | |
| | (0.008) | |
| Expand | −0.043 | |
| | (0.009) | |
| Post x Expand | −0.020 | −0.020 |
| | (0.010) | (0.007) |
| Num.Obs. | 344 | 344 |
| R2 | 0.508 | 0.952 |
| R2 Within | | 0.106 |
| RMSE | 0.04 | 0.01 |
| Std.Errors | | by: State |

#Question 8

Table 4: DD Estimates for Medicaid Expansion with Staggered Treatment

[!h]

| | Standard DD | TWFE | Time-varying Treatment |
|---|---|---|---|
| (Intercept) | 0.214 | | |
| | (0.007) | | |
| Post 2014 | −0.054 | | |
| | (0.008) | | |
| Expand | −0.043 | | |
| | (0.009) | | |
| Post x Expand | −0.020 | −0.020 | −0.023 |
| | (0.010) | (0.007) | (0.005) |
| Num.Obs. | 344 | 344 | 400 |
| R2 | 0.508 | 0.952 | 0.950 |
| R2 Within | | 0.106 | 0.155 |
| RMSE | 0.04 | 0.01 | 0.01 |
| Std.Errors | | by: State | by: State |

#Question 9

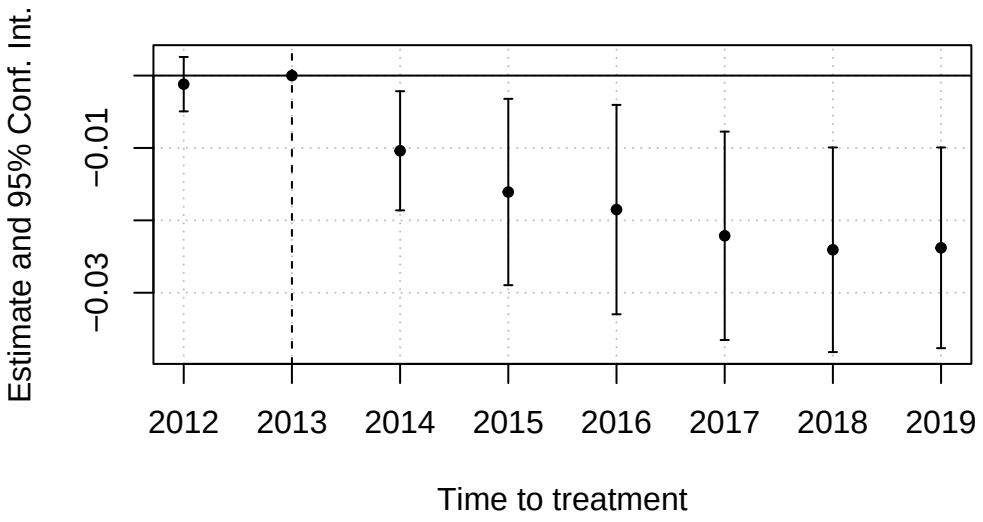
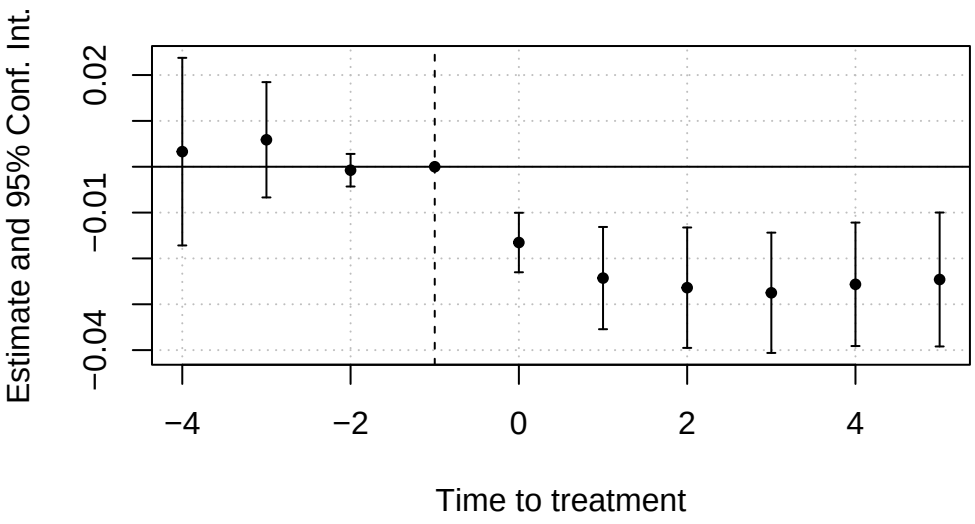



Figure 1: Event Study with Common Treatment Time

#Question 10