

## Milestone 2

```
##      party      race      length_in_this_facility
## Length:5610    Length:5610    Length:5610
## Class :character Class :character Class :character
## Mode  :character Mode  :character Mode  :character
## stance_on_assault_weapons_ban stance_on_marijuana_legalization
## Length:5610          Length:5610
## Class :character      Class :character
## Mode  :character      Mode  :character
## stance_on_tightening_border_security stance_on_raise_min_wage
## Length:5610          Length:5610
## Class :character      Class :character
## Mode  :character      Mode  :character
```

Table 1: Political Party of Prisoners Based on Jail Time

	10 years or less	Over 10 years
Conservative	1249	302
Independent	1561	256
Liberal	1167	242
Other	718	123

```
##
##      10 years or less Over 10 years
## Conservative    0.22232111 0.05375578
## Independent     0.27785689 0.04556782
## Liberal         0.20772517 0.04307583
## Other           0.12780349 0.02189391
```

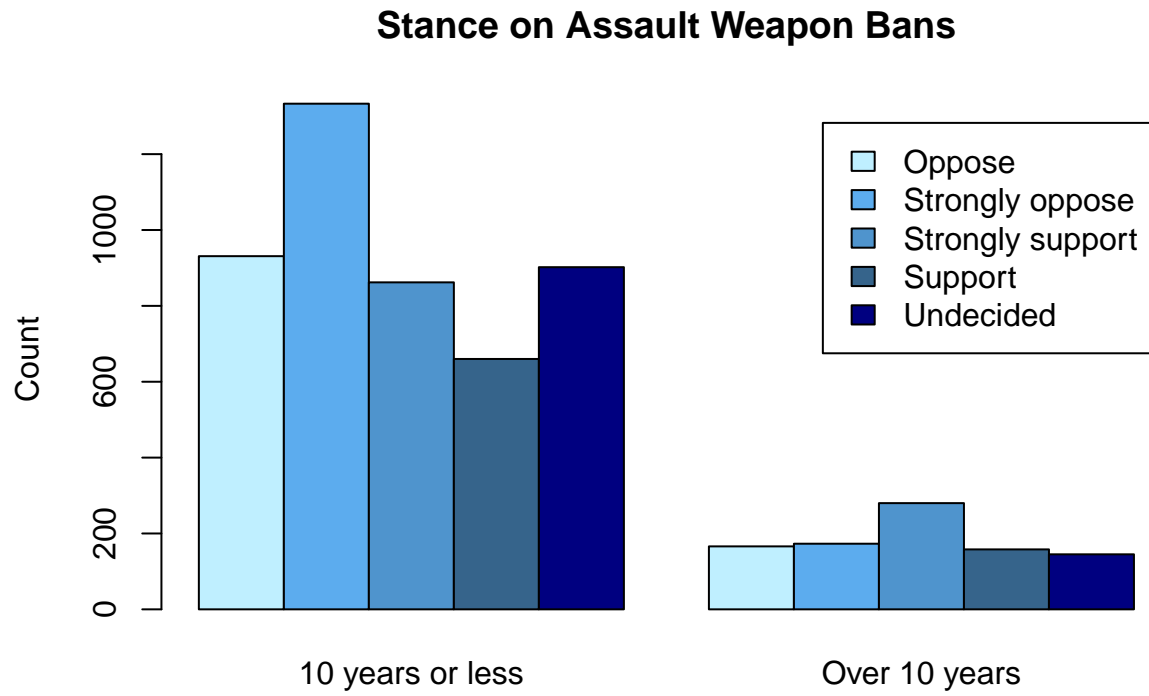
## Weapons

Table 2: Stance on Assault Weapons Ban Based on Jail Time

	10 years or less	Over 10 years
Oppose	931	166
Strongly oppose	1333	173
Strongly support	862	280
Support	660	158
Undecided	902	145

```
##
##      10 years or less Over 10 years
```

##	Oppose	0.16595365	0.02959002
##	Strongly oppose	0.23761141	0.03083779
##	Strongly support	0.15365419	0.04991087
##	Support	0.11764706	0.02816399
##	Undecided	0.16078431	0.02584670



## [1] 0.6326445

**Assault Weapon Ban Stance on 0–1 Scale (where 1 is Strongly Supp**



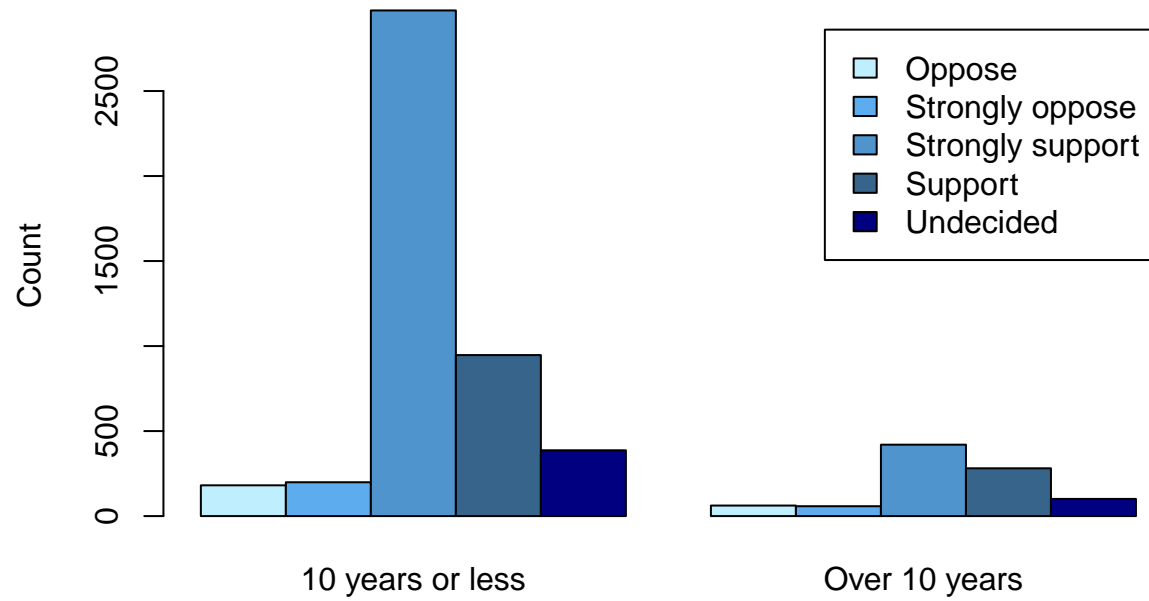
**Marijuana Legalization**

Table 3: Stance on Marijuana Legalization Based on Jail Time

	10 years or less	Over 10 years
Oppose	181	62
Strongly oppose	199	58
Strongly support	2974	420
Support	947	281
Undecided	387	101

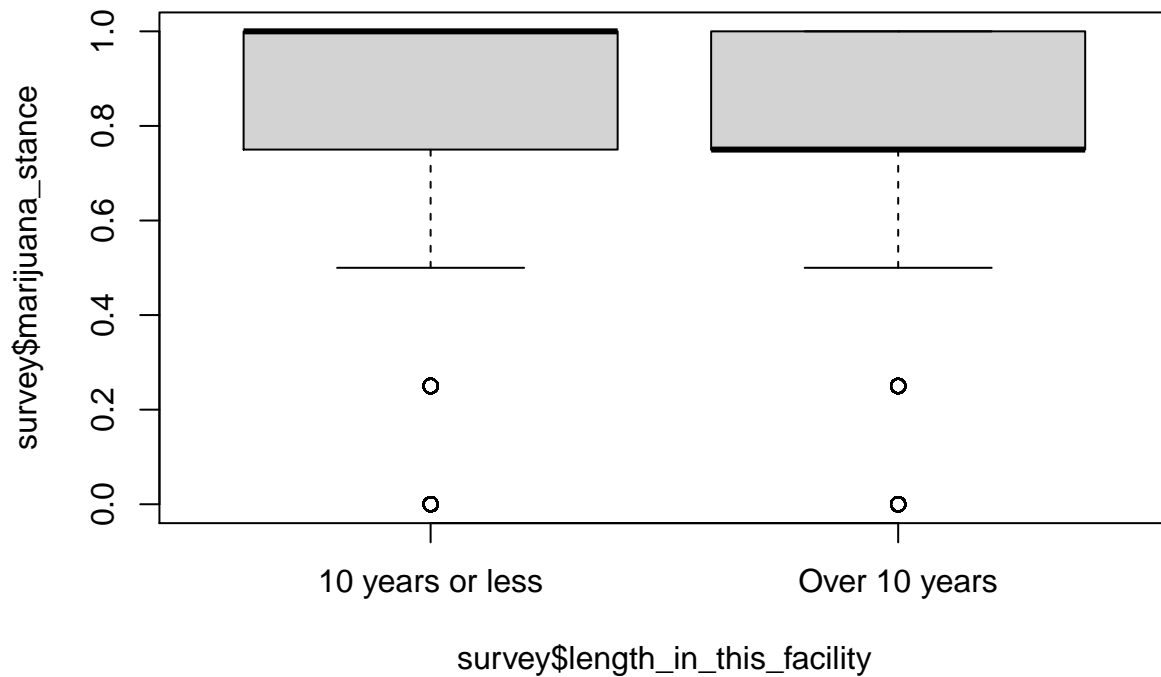
##		10 years or less	Over 10 years
##	Oppose	0.03226381	0.01105169
##	Strongly oppose	0.03547237	0.01033868
##	Strongly support	0.53012478	0.07486631
##	Support	0.16880570	0.05008913
##	Undecided	0.06898396	0.01800357

## Stance on Marijuana Legalization



## [1] 0.8061109

## Marijuana Legalization Stance on 0–1 Scale (where 1 is Strongly Supp



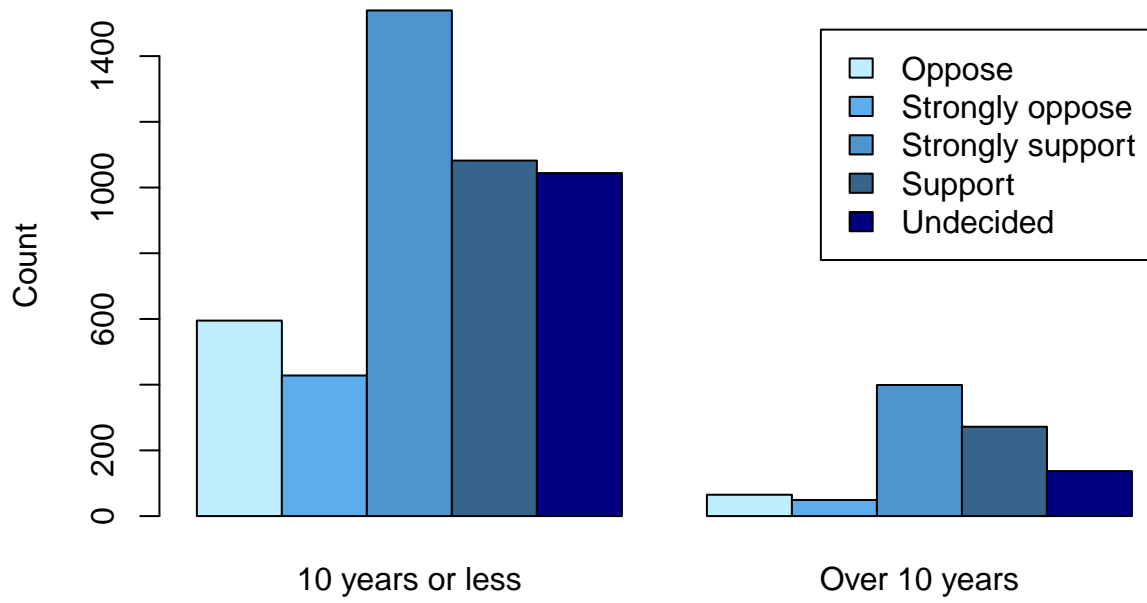
## Border Security

Table 4: Stance on Border Security Based on Jail Time

	10 years or less	Over 10 years
Oppose	595	65
Strongly oppose	428	49
Strongly support	1539	399
Support	1082	272
Undecided	1044	137

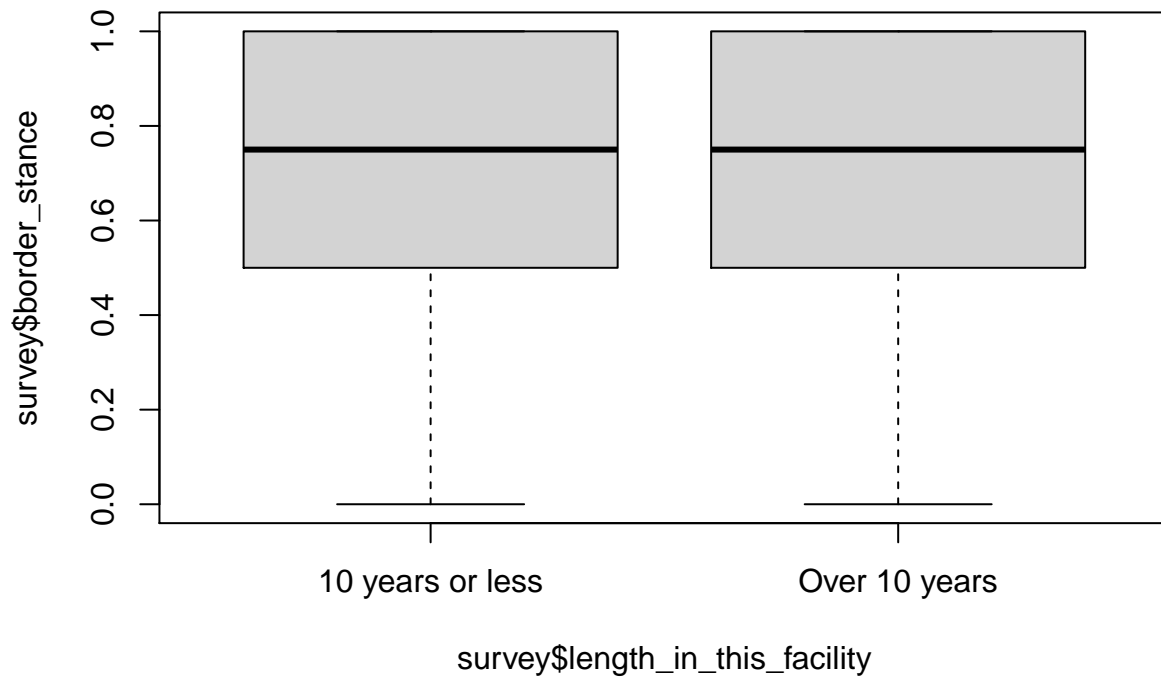
```
##
##      10 years or less Over 10 years
## Oppose      0.106060606 0.011586453
## Strongly oppose 0.076292335 0.008734403
## Strongly support 0.274331551 0.071122995
## Support      0.192869875 0.048484848
## Undecided    0.186096257 0.024420677
```

## Stance on Tightening Border Security



## [1] 0.6178396

## nce On Tightening Border Security on 0–1 Scale (where 1 is Strongly S



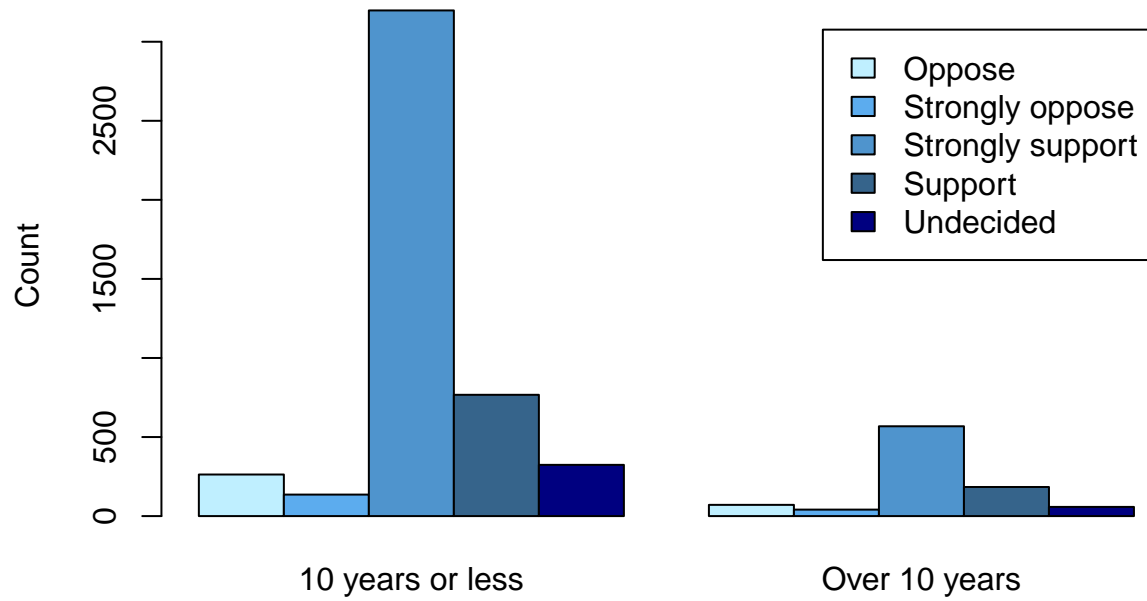
## Minimum Wage

Table 5: Stance on Raising Minumum Wage Based on Jail Time

	10 years or less	Over 10 years
Oppose	263	71
Strongly oppose	136	41
Strongly support	3198	568
Support	767	184
Undecided	324	58

```
##
##      10 years or less Over 10 years
## Oppose      0.046880570 0.012655971
## Strongly oppose 0.024242424 0.007308378
## Strongly support 0.570053476 0.101247772
## Support      0.136720143 0.032798574
## Undecided    0.057754011 0.010338681
```

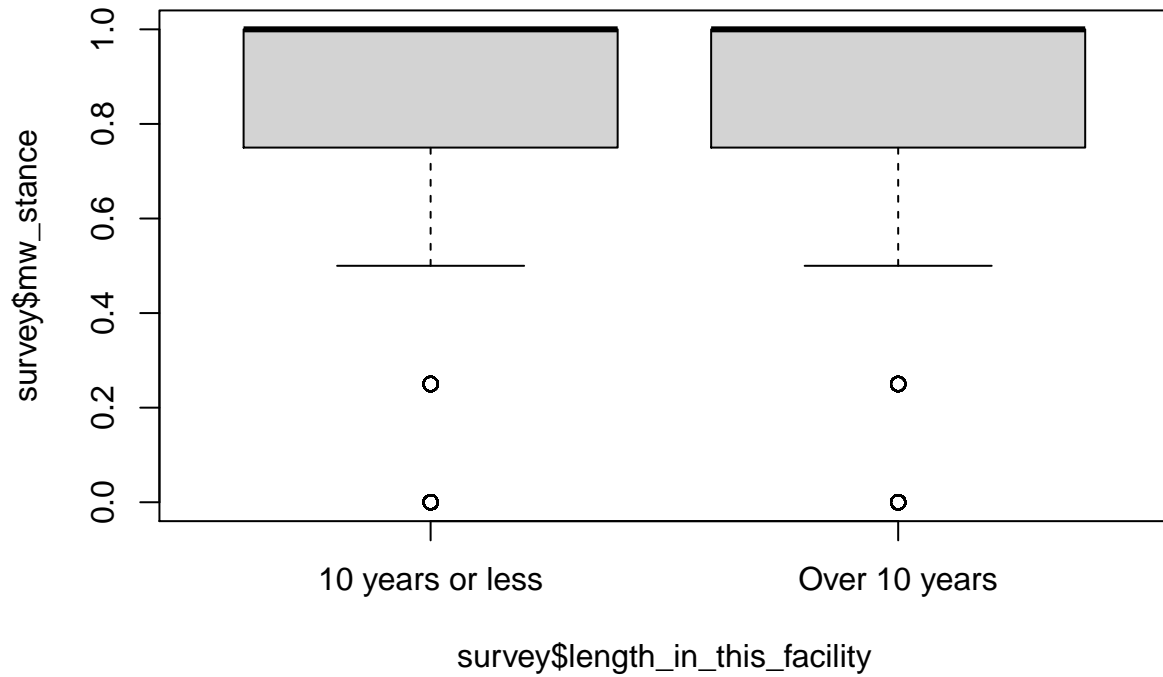
## Stance on Raising the Minimum Wage



## [1] 0.8384281



## nce On Raising the Minimum Wage on 0–1 Scale (where 1 is Strongly S

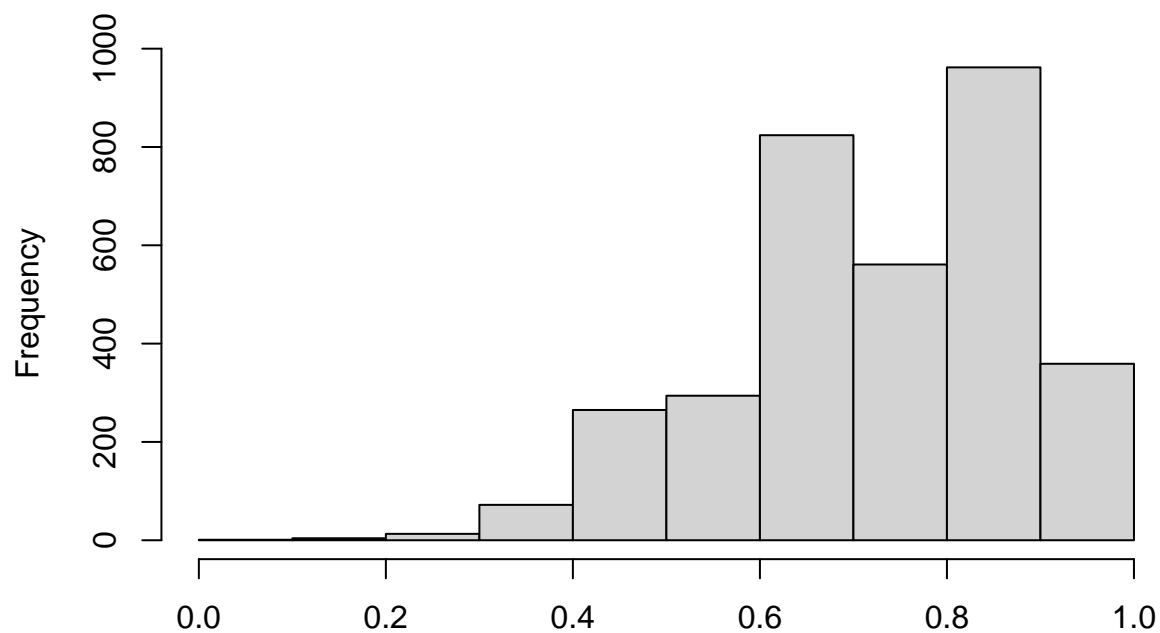


## Mean of Four Political Views (Arms Stance, Marijuana Legaliza- tion, Border Security, and Minimum Wage)

Table 6: Average Political Stance Based on Jail Time

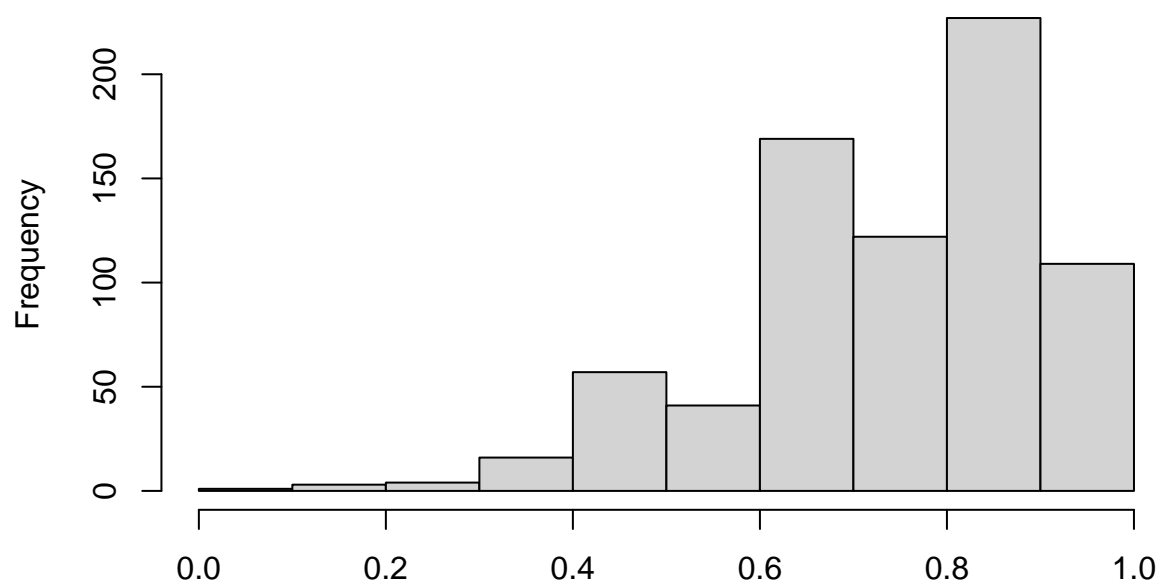
	10 years or less	Over 10 years
0.0625	1	1
0.125	0	1
0.1875	4	2
0.25	13	4
0.3125	22	4
0.375	50	12
0.4375	89	18
0.5	176	39
0.5625	294	41
0.625	364	65
0.6875	460	104
0.75	561	122
0.8125	544	129
0.875	418	98
0.9375	191	69
1	168	40

### Average Political Stance for Those in Jail =< 10 Years (on 0–1 Scale)



`survey$mean_four_political_views[survey$length_in_this_facility == "10 years or less"]`

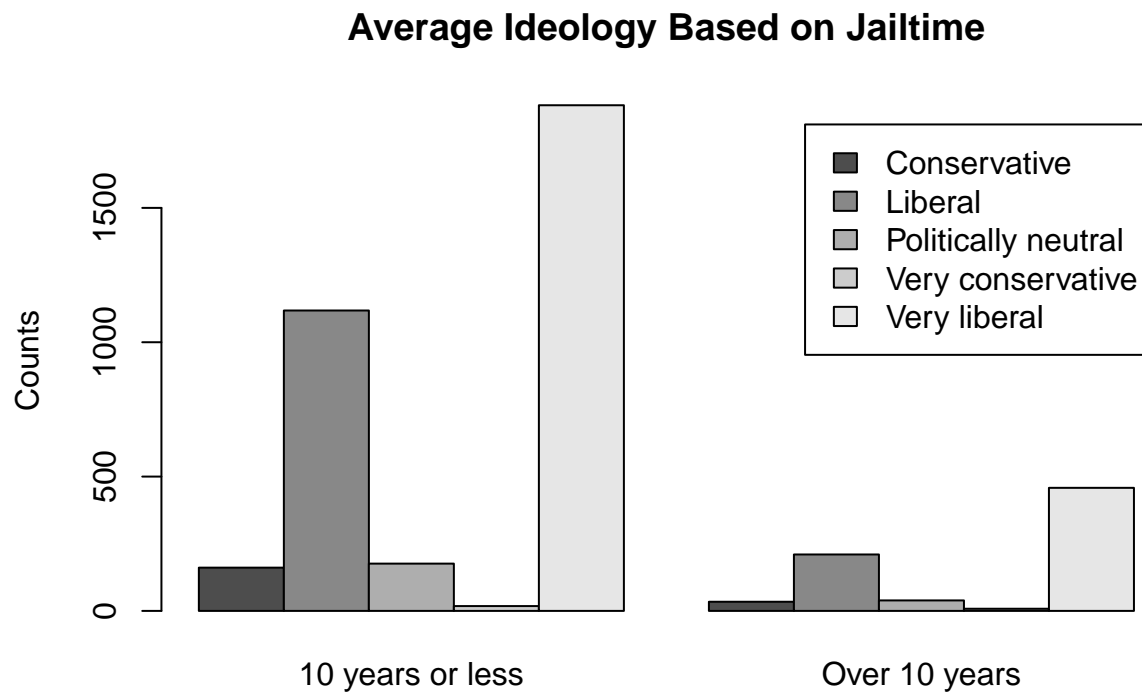
### Average Political Stance for Those in Jail Over 10 Years (on 0–1 Scale)



`survey$mean_four_political_views[survey$length_in_this_facility == "Over 10 years"]`

Table 7: Average Political Ideology Based on Jail Time

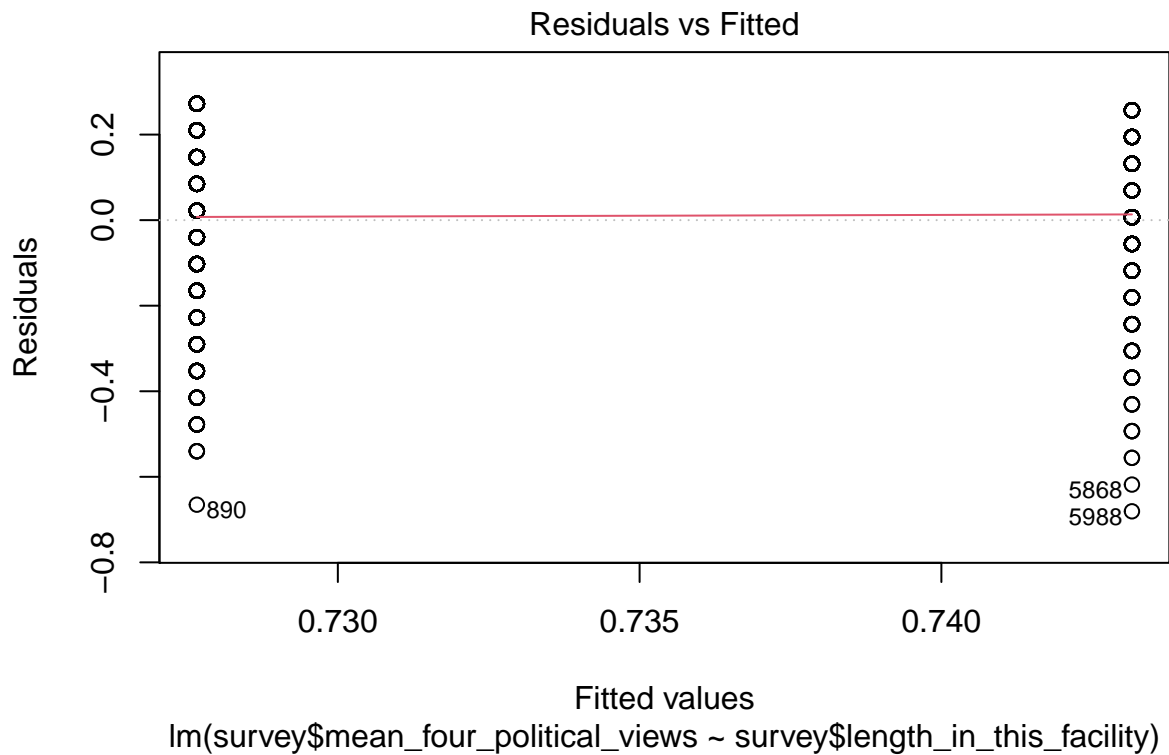
	10 years or less	Over 10 years
Conservative	161	34
Liberal	1118	210
Politically neutral	176	39
Very conservative	18	8
Very liberal	1882	458

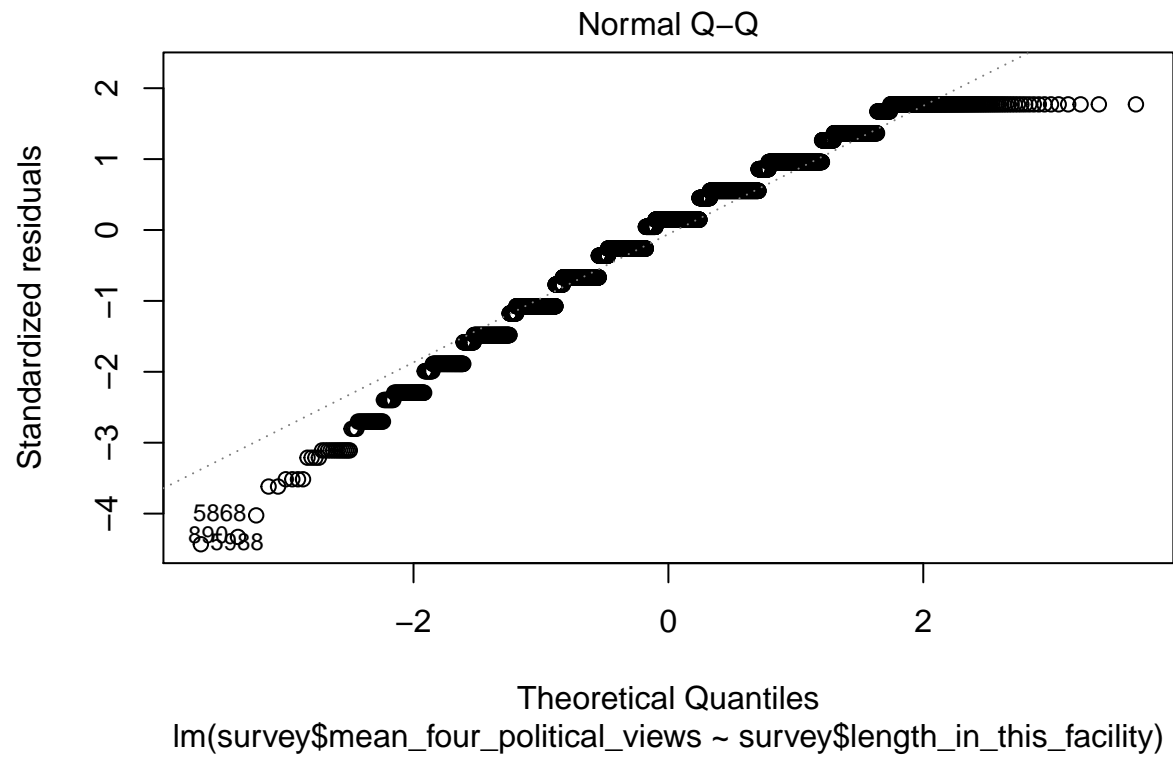


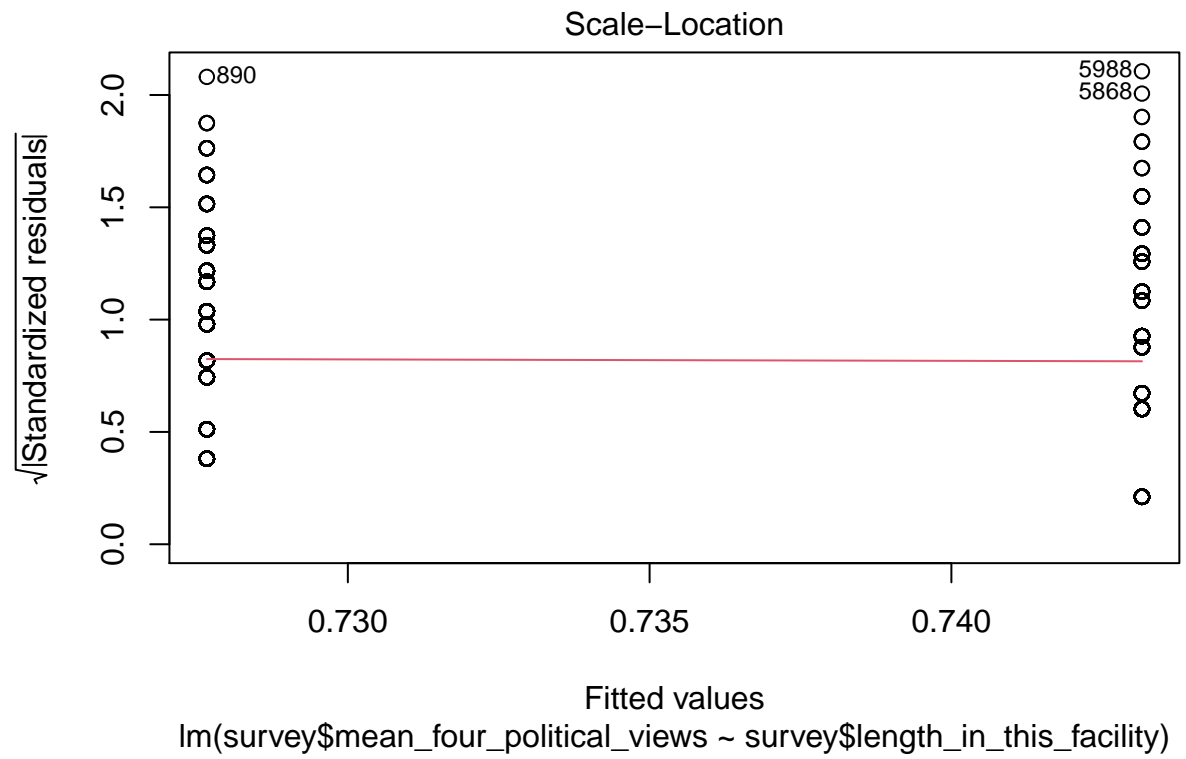
## Regression

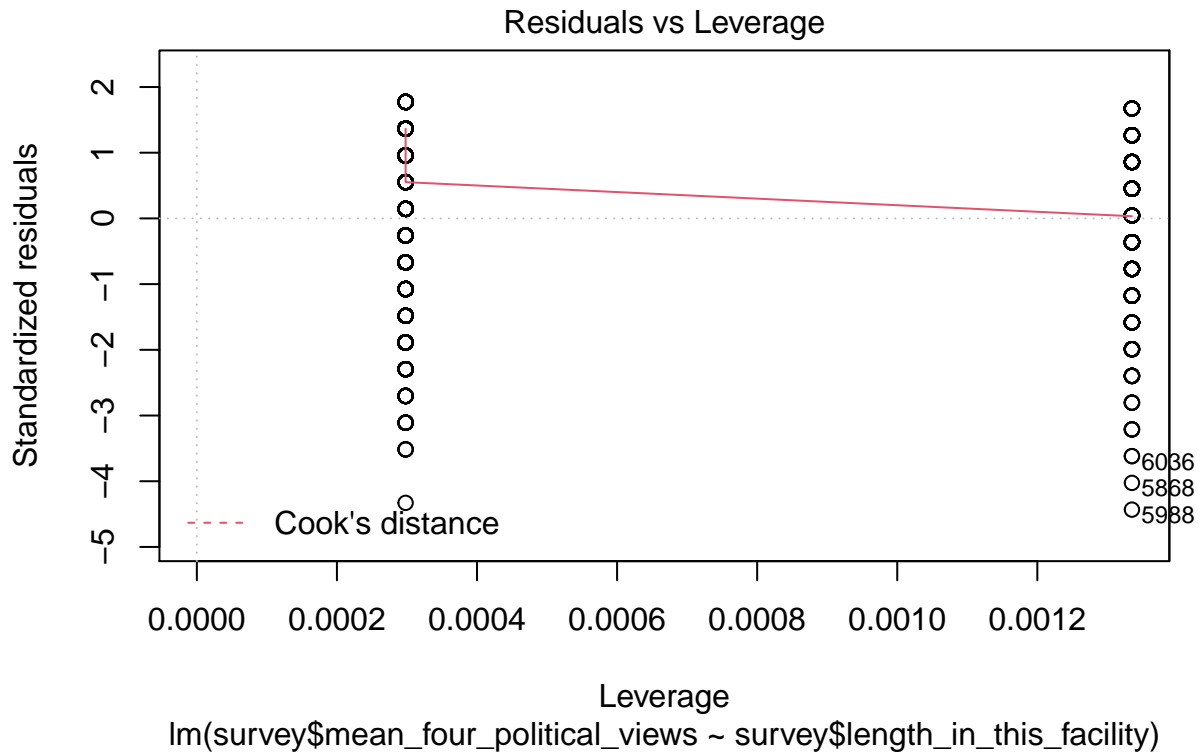
```
##
## Call:
## lm(formula = survey$mean_four_political_views ~ survey$length_in_this_facility)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -0.68066 -0.10266  0.02234  0.08484  0.27234
##
## Coefficients:
##              Estimate Std. Error t value
## (Intercept)    0.727664   0.002653 274.267
## survey$length_in_this_facilityOver 10 years 0.015494   0.006210   2.495
##              Pr(>|t|)
```

```
## (Intercept) <2e-16 ***
## survey$length_in_this_facilityOver 10 years 0.0126 *
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.1537 on 4102 degrees of freedom
## (4162 observations deleted due to missingness)
## Multiple R-squared:  0.001515, Adjusted R-squared:  0.001272
## F-statistic: 6.224 on 1 and 4102 DF, p-value: 0.01264
```









```
##
## Call:
## lm(formula = weapons ~ length_in_this_facility + race + age +
##     education + party + race * length_in_this_facility, data = survey)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -1.0094 -0.5199  0.2100  0.3728  0.6377
##
## Coefficients: (1 not defined because of singularities)
##                                     Estimate Std. Error t value
## (Intercept)                        0.52456    0.03106   16.888
## length_in_this_facilityOver 10 years  0.11900    0.04212    2.825
## raceHispanic                       -0.06271    0.03956   -1.585
## raceWhite                           -0.10033    0.02604   -3.853
## age36 or older                      0.13510    0.01956    6.909
## educationHigher Education           -0.06196    0.01797   -3.449
## partyIndependent                    0.12988    0.02227    5.832
## partyLiberal                       0.23071    0.02334    9.884
## partyOther                          0.06996    0.02955    2.367
## length_in_this_facilityOver 10 years:raceHispanic      NA         NA      NA
## length_in_this_facilityOver 10 years:raceWhite        -0.09647    0.04801   -2.010
##                                     Pr(>|t|)
## (Intercept)                        < 2e-16 ***
## length_in_this_facilityOver 10 years  0.004756 **
## raceHispanic                       0.112997
```

```

## raceWhite                                0.000119 ***
## age36 or older                          5.93e-12 ***
## educationHigher Education               0.000570 ***
## partyIndependent                       6.05e-09 ***
## partyLiberal                           < 2e-16 ***
## partyOther                             0.017980 *
## length_in_this_facilityOver 10 years:raceHispanic    NA
## length_in_this_facilityOver 10 years:raceWhite      0.044567 *
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.46 on 3052 degrees of freedom
## (5204 observations deleted due to missingness)
## Multiple R-squared:  0.08289,    Adjusted R-squared:  0.08019
## F-statistic: 30.65 on 9 and 3052 DF,  p-value: < 2.2e-16

```