## Replication of Voigtländer and Voth (2012)

Load in the data:

```
nazi_data = read_dta("../datasets/5-voigtlander-voth/Dataset_QJE_Replicate_with_Cities(1).dt
```

Generate relevant variables:

The following code replicates Column 2 of Table VI according to VV's specifications with standard errors clustered at the county level. I then follow Kelly in dropping 7 outlier constituencies where the 1928 Nazi vote share exceeded 20 percent. I also re-estimate it as a median regression and report the results.

## t test of coefficients:

```
Estimate Std. Error t value Pr(>|t|)
(Intercept) 0.0339973 0.0194529 1.7477 0.081480 .
            0.0141899 0.0056678 2.5036 0.012791 *
pog1349
ln_pop
           -0.0025382 0.0021914 -1.1583 0.247619
frac_jew
           0.1736486 0.1896456 0.9156 0.360541
frac_prot 0.0289827 0.0088425 3.2777 0.001162 **
Signif. codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
kreis_nr1 = nazi_final |>
 filter(nazi_1928 < 0.2) |>
 pull(kreis_nr)
mod2 = lm(nazi_1928 ~ pog1349 + ln_pop + frac_jew + frac_prot,
          data = nazi_final |> filter(nazi_1928 < 0.2))</pre>
mod2_se = vcovCL(mod2, cluster = kreis_nr1)
coeftest(mod2, vcov = mod2_se)
t test of coefficients:
             Estimate Std. Error t value Pr(>|t|)
(Intercept) 0.00943162 0.01525985 0.6181 0.53698
pog1349
          0.00655328 0.00462658 1.4164 0.15764
           0.00096894 0.00153918 0.6295 0.52947
ln_pop
frac_jew
           0.13760724 0.16395095 0.8393 0.40193
frac_prot 0.01361314 0.00626555 2.1727 0.03055 *
Signif. codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
mod3 = rq(nazi_1928 ~ pog1349 + ln_pop + frac_jew + frac_prot,
          data = nazi_final)
summary(mod3, se = "boot", R = 1000)
Call: rq(formula = nazi_1928 ~ pog1349 + ln_pop + frac_jew + frac_prot,
    data = nazi_final)
tau: [1] 0.5
```

## Coefficients:

	Value	Std. Error	t value	Pr(> t )
(Intercept)	-0.00295	0.00953	-0.30940	0.75722
pog1349	0.00294	0.00270	1.08721	0.27776
ln_pop	0.00121	0.00105	1.15833	0.24759
<pre>frac_jew</pre>	0.07047	0.12121	0.58137	0.56140
frac_prot	0.01377	0.00472	2.91878	0.00376