Geographic Representation and Requests for Federal Funds in the U.S. Senate (Appendix Analysis 2)

Jacyln Kaslovsky and Andrew R. Stone

Table A.3

```
# Loading the data
load("county_level_request_data.RData")
# Making a table of means and standard deviations for county-level request (non-standardized) variables
# Variables to use
cols <- c('log_sum', "dem", "on_appropriations", "meddist", "log_countypop", "other_sen_requested", "otl
          "core_county","swing_county","seniority","party_leader", "freshman", "pct_urban", "median_hous

stargazer(as.data.frame(senators_appropriations[,cols]), covariate.labels=c("Log(County Appropriations
                                                                             "Member of Appropriations C
                                                                             "Log County Population","Otl
                                                                             "Senator is a Woman","Core
                                                                             "Freshman Senator", "County
                                                                             "County Includes Capital Ci
          title="Summary Statistics of Dataset Analyzing County-Level Outcomes", digits=2, summary.stat=
          notes='\\parbox[t]{1\\textwidth}{\\footnotesize \\textit{Note}: Table presents summary statis
```

```
##
## % Table created by stargazer v.5.2.3 by Marek Hlavac, Social Policy Institute. E-mail: marek.hlavac a
## % Date and time: Fri, Jul 05, 2024 - 10:44:45
## \begin{table}[!htbp] \centering
##   \caption{Summary Statistics of Dataset Analyzing County-Level Outcomes}
##   \label{}
## \begin{tabular}{@{\extracolsep{5pt}}lcccc}
## \\[-1.8ex]\hline
## \hline \\[-1.8ex]
## Statistic & \multicolumn{1}{c}{Mean} & \multicolumn{1}{c}{St. Dev.} & \multicolumn{1}{c}{Min} & \mul
## \hline \\[-1.8ex]
## Log(County Appropriations Requests + 1) & 4.48 & 7.15 & 0.00 & 20.44 \\
## Democrat (Majority Party Member) & 0.37 & 0.48 & 0 & 1 \\
## Member of Appropriations Committee & 0.25 & 0.44 & 0 & 1 \\
## Distance from Floor Median & 0.46 & 0.17 & 0.09 & 0.91 \\
## Log County Population & 10.28 & 1.50 & 4.48 & 16.12 \\
## Other Senator Requested Funds to County & 0.28 & 0.45 & 0 & 1 \\
## Other Senator is Same Party & 0.89 & 0.32 & 0 & 1 \\
## Senator is a Woman & 0.19 & 0.39 & 0 & 1 \\
## Core County & 0.61 & 0.49 & 0 & 1 \\
## Swing County & 0.14 & 0.35 & 0 & 1 \\
## Seniority & 6.28 & 4.51 & 1 & 24 \\
## Party Leader & 0.19 & 0.39 & 0 & 1 \\
```

```
## Freshman Senator & 0.12 & 0.33 & 0 & 1 \\
## County Percent Urban Population & 41.30 & 31.46 & 0.00 & 100.00 \\
## County Median Household Income & 5.50 & 1.46 & 2.23 & 14.71 \\
## County Includes Capital City & 0.02 & 0.14 & 0 & 1 \\
## \hline \\[-1.8ex]
## \multicolumn{5}{l}{\parbox[t]{1\textwidth}{\footnotesize \textit{Note}: Table presents summary statis
## \end{tabular}
## \end{table}
```

Table C.2 Analysis

```
# Remove all objects
rm(list=ls())
# Loading the data
load("county_level_request_data.RData")

# FY 2022
# Running the zero inflated model
zim_2_fy2022 <- glmmTMB(log_sum ~ log_countypop_scaled + other_sen_requested*other_sen_sameparty + on_ap
                   core_county + swing_county + seniority_scaled + party_leader + meddist_scaled +
                   freshman + pct_urban_scaled + median_household_income_scaled + capital,
                 zi = ~  dem + on_appropriations + meddist_scaled + dem*meddist_scaled,
                 data = senators_appropriations[senators_appropriations$year==2021,], family = gaussian
# Model summary and standard errors
summary_zim_fy2022 <- summary(zim_2_fy2022)
ses_fy2022 <-standard_error(zim_2_fy2022)

# Save coefficients from the model
cond_fy2022 <- summary_zim_fy2022$coefficients$cond
zi_fy2022 <- summary_zim_fy2022$coefficients$zi
coefs_fy2022 <- c(cond_fy2022[,1])
coefs2_fy2022 <- c(zi_fy2022[,1])

# Save standard errors from the model
ses_cond_fy2022 <- c(ses_fy2022$SE[ses_fy2022$Component=="conditional"])
names(ses_cond_fy2022) <- ses_fy2022$Parameter[ses_fy2022$Component=="conditional"]
ses_zi_fy2022 <- c(ses_fy2022$SE[ses_fy2022$Component=="zero_inflated"])
names(ses_zi_fy2022) <- ses_fy2022$Parameter[ses_fy2022$Component=="zero_inflated"]

# Running linear models to feed into stargazer, but we will replace the coefficients and SEs with those
basic_reg_fy2022 <- lm(log_sum ~ dem + on_appropriations + meddist_scaled + log_countypop_scaled +
                    other_sen_requested*other_sen_sameparty +
                    female + core_county + swing_county + seniority_scaled + party_leader +
                    freshman + pct_urban_scaled + median_household_income_scaled + capital,
                  data = senators_appropriations[senators_appropriations$year==2021,])

basic_reg2_fy2022 <- lm(log_sum ~  dem + on_appropriations + meddist_scaled + dem*meddist_scaled,
                   data = senators_appropriations[senators_appropriations$year==2021 & complete.cases(sena

# FY 2023
# Running the zero inflated model
zim_fy_2023 <- glmmTMB(log_sum ~ log_countypop_scaled + other_sen_requested*other_sen_sameparty + on_ap
```

```
                      core_county + swing_county + seniority_scaled + party_leader + meddist_scaled +
                      freshman + pct_urban_scaled + median_household_income_scaled + capital,
                    zi = ~  dem + on_appropriations + meddist_scaled + dem*meddist_scaled,
                    data = senators_appropriations[senators_appropriations$year==2022,], family = gauss
# Model summary and standard errors
summary_zim_fy_2023 <- summary(zim_fy_2023)
ses_fy_2023 <-standard_error(zim_fy_2023)

# Save coefficients from the model
cond_fy_2023 <- summary_zim_fy_2023$coefficients$cond
zi_fy_2023 <- summary_zim_fy_2023$coefficients$zi
coefs_fy_2023 <- c(cond_fy_2023[,1])
coefs2_fy_2023 <- c(zi_fy_2023[,1])

# Save standard errors from the model
ses_cond_fy_2023 <- c(ses_fy_2023$SE[ses_fy_2023$Component=="conditional"])
names(ses_cond_fy_2023) <- ses_fy_2023$Parameter[ses_fy_2023$Component=="conditional"]
ses_zi_fy_2023 <- c(ses_fy_2023$SE[ses_fy_2023$Component=="zero_inflated"])
names(ses_zi_fy_2023) <- ses_fy_2023$Parameter[ses_fy_2023$Component=="zero_inflated"]

# Running linear models to feed into stargazer, but we will replace the coefficients and SEs with those
basic_reg_fy_2023 <- lm(log_sum ~ dem + on_appropriations + meddist_scaled + log_countypop_scaled +
                        other_sen_requested*other_sen_sameparty +
                        female + core_county + swing_county + seniority_scaled + party_leader +
                        freshman + pct_urban_scaled + median_household_income_scaled + capital,
                      data = senators_appropriations[senators_appropriations$year==2022,])

basic_reg2_fy_2023 <- lm(log_sum ~  dem + on_appropriations + meddist_scaled + dem*meddist_scaled,
                        data = senators_appropriations[senators_appropriations$year==2022 & complete.cases
```

Table C.2 Output

```
# Save the regression results as a table
# coef and se take the coefficients and standard errors from the zero-inflated model
pooled.model.list <- list(basic_reg2_fy2022, basic_reg_fy2022, basic_reg2_fy_2023, basic_reg_fy_2023)
stargazer(pooled.model.list,
          omit=c("Constant"),
          notes.append = FALSE,notes.label = "",
          report="vc*s",star.char=c("*","**"),star.cutoffs = c(0.10,0.05),no.space = TRUE,
          font.size = "footnotesize", model.numbers = FALSE,
          column.labels=c("First Stage 2022","Second Stage 2022","First Stage 2023","Second Stage 2023"
          dep.var.labels = "Log(County Appropriations Requests + 1)",column.sep.width="0pt",
          covariate.labels=c( "Democrat (Majority Party Member)", "Member of Appropriations Committee",
                              "Distance from Floor Median x Democrat", "Log County Population",
                              "Other Senator Requested Funds to County","Other Senator is Same Party",
                              "Senator is a Woman","Core County", "Swing County","Seniority", "Party Le
                              "Freshman Senator", "County Percent Urban Population", "County Median Hou
                              "County Includes Capital City", "Other Sen Requested * Other Sen Same Par
          notes="\\parbox[t]{\\textwidth}{\\footnotesize \\textit{Note}: The table shows the results fr
                       senator's county-level appropriation request behavior. The first stage models w
                       second stage models the logged total amount of funding a senator requests. $^{*
```

```
          label="tab1_county_sepyears",
          digits=3,
          coef=list(coefs2_fy2022, coefs_fy2022, coefs2_fy_2023, coefs_fy_2023),
          se=list(ses_zi_fy2022, ses_cond_fy2022, ses_zi_fy_2023, ses_cond_fy_2023),
          digits.extra = 0,
          title="Predictors of Spending Requests at the County Level Subset by Fiscal Year",
          omit.stat = c("ll","rsq","adj.rsq","ser","f"))
```

```
##
## % Table created by stargazer v.5.2.3 by Marek Hlavac, Social Policy Institute. E-mail: marek.hlavac a
## % Date and time: Fri, Jul 05, 2024 - 10:44:47
## \begin{table}[!htbp] \centering
##   \caption{Predictors of Spending Requests at the County Level Subset by Fiscal Year}
##   \label{tab1_county_sepyears}
## \footnotesize
## \begin{tabular}{@{\extracolsep{0pt}}lcccc}
## \\[-1.8ex]\hline
## \hline \\[-1.8ex]
##  & \multicolumn{4}{c}{\textit{Dependent variable:}} \\
## \cline{2-5}
## \\[-1.8ex] & \multicolumn{4}{c}{Log(County Appropriations Requests + 1)} \\
##  & First Stage 2022 & Second Stage 2022 & First Stage 2023 & Second Stage 2023 \\
## \hline \\[-1.8ex]
##  Democrat (Majority Party Member) & $-$3.186$^{**}$ & $-$0.361$^{**}$ & $-$3.373$^{**}$ & 0.120 \\
##   & (0.113) & (0.146) & (0.099) & (0.111) \\
##   Member of Appropriations Committee & $-$0.575$^{**}$ & $-$0.040 & $-$0.459$^{**}$ & 0.125 \\
##   & (0.083) & (0.096) & (0.083) & (0.079) \\
##   Distance from Floor Median & 1.842$^{**}$ & 0.094 & 1.750$^{**}$ & 0.360$^{**}$ \\
##   & (0.138) & (0.070) & (0.114) & (0.059) \\
##   Distance from Floor Median x Democrat & $-$1.987$^{**}$ &  & $-$1.784$^{**}$ &  \\
##   & (0.153) &  & (0.135) &  \\
##   Log County Population &  & 0.628$^{**}$ &  & 0.720$^{**}$ \\
##   &  & (0.072) &  & (0.055) \\
##   Other Senator Requested Funds to County &  & 1.784$^{**}$ &  & 2.227$^{**}$ \\
##   &  & (0.241) &  & (0.202) \\
##   Other Senator is Same Party &  & 0.598$^{**}$ &  & 0.362$^{**}$ \\
##   &  & (0.171) &  & (0.141) \\
##   Senator is a Woman &  & 0.025 &  & $-$0.015 \\
##   &  & (0.089) &  & (0.074) \\
##   Core County &  & 0.332$^{**}$ &  & 0.676$^{**}$ \\
##   &  & (0.107) &  & (0.081) \\
##   Swing County &  & 0.165 &  & 0.361$^{**}$ \\
##   &  & (0.108) &  & (0.084) \\
##   Seniority &  & 0.002 &  & $-$0.029 \\
##   &  & (0.050) &  & (0.042) \\
##   Party Leader &  & 0.086 &  & 0.060 \\
##   &  & (0.095) &  & (0.077) \\
##   Freshman Senator &  & 0.199 &  & 0.098 \\
##   &  & (0.182) &  & (0.125) \\
##   County Percent Urban Population &  & 0.023 &  & 0.032 \\
##   &  & (0.071) &  & (0.052) \\
##   County Median Household Income &  & $-$0.043 &  & $-$0.173$^{**}$ \\
##   &  & (0.041) &  & (0.032) \\
##   County Includes Capital City &  & 0.531$^{**}$ &  & 0.696$^{**}$ \\
```

```
##   &  & (0.182) &  & (0.160) \\
##   Other Sen Requested * Other Sen Same Party &  & $-$1.128$^{**}$ &  & $-$1.584$^{**}$ \\
##   &  & (0.286) &  & (0.234) \\
##  \hline \\[-1.8ex]
## Observations & 6,162 & 6,162 & 6,162 & 6,162 \\
## \hline
## \hline \\[-1.8ex]
## \multicolumn{5}{r}{\parbox[t]{\textwidth}{\footnotesize \textit{Note}: The table shows the results fi
##                         senator's county-level appropriation request behavior. The first stage models
##                         second stage models the logged total amount of funding a senator requests. $
## \end{tabular}
## \end{table}
```

Table C.5 Analysis

```
# Remove all objects
rm(list=ls())
# Loading the data
load("county_level_request_data.RData")

# Pooling both years together
senators_appropriations_oneyear <- senators_appropriations %>%
  group_by(senator,state,GEOID, log_countypop, on_appropriations,female, dem,
           freshman, core_county, swing_county, seniority, party_leader, meddist,
           capital, pct_urban, median_household_income)%>%
  dplyr::summarize(log_sum = log(sum(appropriation_sum)+1),
                   other_sen_requested = max(other_sen_requested),
                   other_sen_sameparty = max(other_sen_sameparty))
```

```
## `summarise()` has grouped output by 'senator', 'state', 'GEOID',
## 'log_countypop', 'on_appropriations', 'female', 'dem', 'freshman',
## 'core_county', 'swing_county', 'seniority', 'party_leader', 'meddist',
## 'capital', 'pct_urban'. You can override using the `.groups` argument.
```

```
# Re-standardize the non-binary variables (now 6284 observations instead of 12568)
# Variables to standardize
senators_appropriations_oneyear_scaled <- senators_appropriations_oneyear[,c("log_countypop", "seniorit
# Standardize
senators_appropriations_oneyear_scaled <- as.data.frame(scale(senators_appropriations_oneyear_scaled))
# Rename standardized variables
colnames(senators_appropriations_oneyear_scaled) <- c("log_countypop_scaled", "seniority_scaled", "meddi
# Add the standardized variables to the dataset
senators_appropriations_oneyear <- bind_cols(senators_appropriations_oneyear, senators_appropriations_o

# Running the zero inflated model
zim_2_oneyear_county <- glmmTMB(log_sum ~ log_countypop_scaled + other_sen_requested*other_sen_samepart
                                  core_county + swing_county + seniority_scaled + party_leader + meddis
                                  freshman + pct_urban_scaled + median_household_income_scaled + capital
                                zi = ~  dem + on_appropriations + meddist_scaled + dem*meddist_scaled,
                                data = senators_appropriations_oneyear, family =  gaussian)

# Model summary and standard errors
summary_zim_oneyear_county <- summary(zim_2_oneyear_county)
```

```r
ses_oneyear_county <- standard_error(zim_2_oneyear_county)

# Save coefficients from the model
cond_oneyear_county <- summary_zim_oneyear_county$coefficients$cond
zi_oneyear_county <- summary_zim_oneyear_county$coefficients$zi
coefs_oneyear_county <- c(cond_oneyear_county[,1])
coefs2_oneyear_county <- c(zi_oneyear_county[,1])

# Save standard errors from the model
ses_cond_oneyear_county <- c(ses_oneyear_county$SE[ses_oneyear_county$Component=="conditional"])
names(ses_cond_oneyear_county) <- ses_oneyear_county$Parameter[ses_oneyear_county$Component=="conditiona
ses_zi_oneyear_county <- c(ses_oneyear_county$SE[ses_oneyear_county$Component=="zero_inflated"])
names(ses_zi_oneyear_county) <- ses_oneyear_county$Parameter[ses_oneyear_county$Component=="zero_inflat

# Running linear models to feed into stargazer, but we will replace the coefficients and SEs with those
basic_reg_oneyear_county <- lm(log_sum ~ dem + on_appropriations + meddist_scaled + log_countypop_scale
                  other_sen_requested*other_sen_sameparty +
                  female + core_county + swing_county + seniority_scaled + party_leader +
                  freshman + pct_urban_scaled + median_household_income_scaled + capital,
                data = senators_appropriations_oneyear)

basic_reg2_oneyear_county <- lm(log_sum ~  dem + on_appropriations + meddist_scaled + dem*meddist_scale
                 data = senators_appropriations_oneyear[complete.cases(senators_appropriations_oneyear)
```

Table C.5 Output

```r
# Save the regression results as a table
# coef and se take the coefficients and standard errors from the zero-inflated model
stargazer(basic_reg2_oneyear_county, basic_reg_oneyear_county,
          omit=c("Constant"),
          notes.append = FALSE,notes.label = "",
          report="vc*s",star.char=c("*","**"),star.cutoffs = c(0.10,0.05),no.space = TRUE,
          font.size = "footnotesize", model.numbers = FALSE,
          column.labels=c("First Stage","Second Stage"),
          dep.var.labels = "Log(County Appropriations Requests + 1)",column.sep.width="0pt",
          covariate.labels=c( "Democrat (Majority Party Member)", "Member of Appropriations Committee",
                              "Distance from Floor Median x Democrat", "Log County Population",
                              "Other Senator Requested Funds to County","Other Senator is Same Party",
                              "Senator is a Woman","Core County", "Swing County","Seniority", "Party Lea
                              "Freshman Senator", "County Percent Urban Population", "County Median Hous
                              "County Includes Capital City", "Other Senator Requested * Other Senator S
          notes="\\parbox[t]{.9\\textwidth}{\\footnotesize \\textit{Note}: The table shows the results f
                       senator's county-level appropriation request behavior. The first stage models wh
                       second stage models the logged total amount of funding a senator requests. $^{*
          label="tab1_county_pooled",
          digits=3,
          coef=list(coefs2_oneyear_county, coefs_oneyear_county),
          se=list(ses_zi_oneyear_county, ses_cond_oneyear_county),
          digits.extra = 0,
          title="Predictors of Spending Requests at the County Level Pooling Fiscal Years",
          omit.stat = c("ll","rsq","adj.rsq","ser","f"))
```

```
##
## % Table created by stargazer v.5.2.3 by Marek Hlavac, Social Policy Institute. E-mail: marek.hlavac a
## % Date and time: Fri, Jul 05, 2024 - 10:44:48
## \begin{table}[!htbp] \centering
##   \caption{Predictors of Spending Requests at the County Level Pooling Fiscal Years}
##   \label{tab1_county_pooled}
## \footnotesize
## \begin{tabular}{@{\extracolsep{0pt}}lcc}
## \\[-1.8ex]\hline
## \hline \\[-1.8ex]
##  & \multicolumn{2}{c}{\textit{Dependent variable:}} \\
## \cline{2-3}
## \\[-1.8ex] & \multicolumn{2}{c}{Log(County Appropriations Requests + 1)} \\
##  & First Stage & Second Stage \\
## \hline \\[-1.8ex]
##  Democrat (Majority Party Member) & $-$3.368$^{**}$ & 0.186 \\
##   & (0.097) & (0.117) \\
##   Member of Appropriations Committee & $-$0.552$^{**}$ & 0.098 \\
##   & (0.083) & (0.081) \\
##   Distance from Floor Median & 1.659$^{**}$ & 0.334$^{**}$ \\
##   & (0.105) & (0.062) \\
##   Distance from Floor Median x Democrat & $-$1.703$^{**}$ &  \\
##   & (0.130) &  \\
##   Log County Population &  & 0.730$^{**}$ \\
##   &  & (0.056) \\
##   Other Senator Requested Funds to County &  & 2.341$^{**}$ \\
##   &  & (0.214) \\
##   Other Senator is Same Party &  & 0.348$^{**}$ \\
##   &  & (0.150) \\
##   Senator is a Woman &  & 0.053 \\
##   &  & (0.076) \\
##   Core County &  & 0.795$^{**}$ \\
##   &  & (0.085) \\
##   Swing County &  & 0.523$^{**}$ \\
##   &  & (0.087) \\
##   Seniority &  & $-$0.008 \\
##   &  & (0.042) \\
##   Party Leader &  & 0.050 \\
##   &  & (0.079) \\
##   Freshman Senator &  & 0.020 \\
##   &  & (0.130) \\
##   County Percent Urban Population &  & 0.070 \\
##   &  & (0.053) \\
##   County Median Household Income &  & $-$0.166$^{**}$ \\
##   &  & (0.033) \\
##   County Includes Capital City &  & 0.773$^{**}$ \\
##   &  & (0.171) \\
##   Other Senator Requested * Other Senator Same Party &  & $-$1.621$^{**}$ \\
##   &  & (0.249) \\
##  \hline \\[-1.8ex]
## Observations & 6,162 & 6,162 \\
## \hline
## \hline \\[-1.8ex]
## \multicolumn{3}{r}{\parbox[t]{.9\textwidth}{\footnotesize \textit{Note}: The table shows the results
```

```
##                         senator's county-level appropriation request behavior. The first stage models
##                         second stage models the logged total amount of funding a senator requests. $
## \end{tabular}
## \end{table}
```

Table C.7 Analysis

```
# Remove all objects
rm(list=ls())
# Loading the data
load("county_level_request_data.RData")

# Running the zero inflated model
zim_main <- glmmTMB(log_sum ~ log_countypop_scaled  + other_sen_requested*other_sen_sameparty + on_appro
                    core_county + swing_county + seniority_scaled + party_leader + meddist_scaled +
                    freshman + pct_urban_scaled + median_household_income_scaled + capital + factor(yea
                  zi = ~  dem + on_appropriations + meddist_scaled + dem*meddist_scaled,
                  data = senators_appropriations, family =  gaussian)
# Model summary and standard errors
summary_zim_main <- summary(zim_main)
ses_main <- standard_error(zim_main)

# Save coefficients from the model
cond_main <- summary_zim_main$coefficients$cond
zi_main <- summary_zim_main$coefficients$zi
coefs_main <- c(cond_main[,1])
coefs2_main <- c(zi_main[,1])

# Save standard errors from the model
ses_cond_main <- c(ses_main$SE[ses_main$Component=="conditional"])
names(ses_cond_main) <- ses_main$Parameter[ses_main$Component=="conditional"]
ses_zi_main <- c(ses_main$SE[ses_main$Component=="zero_inflated"])
names(ses_zi_main) <- ses_main$Parameter[ses_main$Component=="zero_inflated"]

# Running linear models to feed into stargazer, but we will replace the coefficients and SEs with those
basic_reg_main <- lm(log_sum ~ dem + on_appropriations + meddist_scaled + log_countypop_scaled  +
                    other_sen_requested*other_sen_sameparty +
                    female + core_county + swing_county + seniority_scaled + party_leader +
                    freshman + pct_urban_scaled + median_household_income_scaled + capital + factor(year)
                  data = senators_appropriations)

basic_reg2_main <- lm(log_sum ~  dem + on_appropriations + meddist_scaled + dem*meddist_scaled,
                   data = senators_appropriations[complete.cases(senators_appropriations),])
```

Table C.7 Output

```
# Save the regression results as a table
# coef and se take the coefficients and standard errors from the zero-inflated model
stargazer(basic_reg2_main, basic_reg_main,
          omit=c("Constant"),
```

```
          notes.append = FALSE,notes.label = "",
          report="vc*s",star.char=c("*","**"),star.cutoffs = c(0.10,0.05),no.space = TRUE,
          font.size = "footnotesize", model.numbers = FALSE,
          column.labels=c("First Stage","Second Stage"),
          dep.var.labels = "Log(County Appropriations Requests + 1)",column.sep.width="0pt",
          covariate.labels=c( "Democrat (Majority Party Member)", "Member of Appropriations Committee",
                              "Distance from Floor Median x Democrat", "Log County Population",
                              "Other Senator Requested Funds to County","Other Senator is Same Party",
                              "Senator is a Woman","Core County", "Swing County","Seniority", "Party Lea
                              "Freshman Senator", "County Percent Urban Population", "County Median Hous
                              "County Includes Capital City", "Fiscal Year 2023", "Other Senator Reques
          notes="\\parbox[t]{.9\\textwidth}{\\footnotesize \\textit{Note}: The table shows the results
                       senator's county-level appropriation request behavior. The first stage models wh
                       second stage models the logged total amount of funding a senator requests. $^{*
          label="tab1_county",
          digits=3,
          coef=list(coefs2_main, coefs_main),
          se=list(ses_zi_main, ses_cond_main),
          digits.extra = 0,
          title="Predictors of Spending Requests at the County Level",
          omit.stat = c("ll","rsq","adj.rsq","ser","f"))
```

```
##
## % Table created by stargazer v.5.2.3 by Marek Hlavac, Social Policy Institute. E-mail: marek.hlavac a
## % Date and time: Fri, Jul 05, 2024 - 10:44:49
## \begin{table}[!htbp] \centering
##   \caption{Predictors of Spending Requests at the County Level}
##   \label{tab1_county}
## \footnotesize
## \begin{tabular}{@{\extracolsep{0pt}}lcc}
## \\[-1.8ex]\hline
## \hline \\[-1.8ex]
##  & \multicolumn{2}{c}{\textit{Dependent variable:}} \\
## \cline{2-3}
## \\[-1.8ex] & \multicolumn{2}{c}{Log(County Appropriations Requests + 1)} \\
##  & First Stage & Second Stage \\
## \hline \\[-1.8ex]
##  Democrat (Majority Party Member) & $-$3.225$^{**}$ & $-$0.054 \\
##   & (0.073) & (0.089) \\
##   Member of Appropriations Committee & $-$0.503$^{**}$ & 0.057 \\
##   & (0.058) & (0.061) \\
##   Distance from Floor Median & 1.776$^{**}$ & 0.246$^{**}$ \\
##   & (0.088) & (0.045) \\
##   Distance from Floor Median x Democrat & $-$1.867$^{**}$ &  \\
##   & (0.100) &  \\
##   Log County Population &  & 0.678$^{**}$ \\
##   &  & (0.044) \\
##   Other Senator Requested Funds to County &  & 2.029$^{**}$ \\
##   &  & (0.156) \\
##   Other Senator is Same Party &  & 0.484$^{**}$ \\
##   &  & (0.109) \\
##   Senator is a Woman &  & 0.025 \\
##   &  & (0.057) \\
##   Core County &  & 0.546$^{**}$ \\
```

```
##   &  & (0.065) \\
##   Swing County &  & 0.292$^{**}$ \\
##   &  & (0.067) \\
##   Seniority &  & $-$0.012 \\
##   &  & (0.032) \\
##   Party Leader &  & 0.061 \\
##   &  & (0.060) \\
##   Freshman Senator &  & 0.147 \\
##   &  & (0.103) \\
##   County Percent Urban Population &  & 0.036 \\
##   &  & (0.042) \\
##   County Median Household Income &  & $-$0.122$^{**}$ \\
##   &  & (0.025) \\
##   County Includes Capital City &  & 0.614$^{**}$ \\
##   &  & (0.121) \\
##   Fiscal Year 2023 &  & 0.339$^{**}$ \\
##   &  & (0.050) \\
##   Other Senator Requested * Other Senator Same Party &  & $-$1.429$^{**}$ \\
##   &  & (0.182) \\
##  \hline \\[-1.8ex]
## Observations & 12,324 & 12,324 \\
## \hline
## \hline \\[-1.8ex]
## \multicolumn{3}{r}{\parbox[t]{.9\textwidth}{\footnotesize \textit{Note}: The table shows the results
##                         senator's county-level appropriation request behavior. The first stage models
##                         second stage models the logged total amount of funding a senator requests. $
## \end{tabular}
## \end{table}
```

Table C.10 Analysis

```
# Remove all objects
rm(list=ls())
# Loading the data
load("county_level_request_data.RData")

# Set the seed to run the bootstrap and create empty lists to store results
set.seed(02138)
# 20000 bootstraps
nboot <- 20000
results_cond_coefs  <- list()
results_cond_ses  <- list()
results_zi_coefs  <- list()
results_zi_ses  <- list()

# Creating a unique senator variable
senators_appropriations$unique_senator_name <- paste0(senators_appropriations$senator, senators_appropri

# Bootstrapping at the senator level
ids <- unique(senators_appropriations$unique_senator_name)

for (k in 1:nboot) {
```

```
  # Sample senators to be used in this bootstrap iteration
  senator_sample <- sample(ids,  length(ids),replace=TRUE)

  # Take all of the counties that each observation in our bootstrapped sample has
  dataset <- inner_join(tibble(unique_senator_name = senator_sample), senators_appropriations, by = "uni

  # Then, run the zero-inflated model with this sample
  zim_2 <- glmmTMB(log_sum ~ log_countypop_scaled + other_sen_requested*other_sen_sameparty + on_appropi
                     core_county + swing_county + seniority_scaled + party_leader + meddist_scaled +
                     freshman + pct_urban_scaled + median_household_income_scaled + factor(year) + capi
                   zi = ~  dem + on_appropriations + meddist_scaled + dem*meddist_scaled,
                   data = dataset, family =  gaussian)

  summary_zim <- summary(zim_2)

  # Storing the results
  results_cond_coefs[[k]]  <- summary_zim$coefficients$cond[,1]
  results_cond_ses[[k]]  <- summary_zim$coefficients$cond[,2]
  results_zi_coefs[[k]]  <- summary_zim$coefficients$zi[,1]
  results_zi_ses[[k]]  <- summary_zim$coefficients$zi[,2]

  # Printing progress
  if (k %% 100 == 0) cat(paste(k, "out of", nboot, "samples stored..\n"))
}
```

```
## dropping columns from rank-deficient conditional model: other_sen_requested:other_sen_sameparty
## dropping columns from rank-deficient conditional model: other_sen_requested:other_sen_sameparty
## dropping columns from rank-deficient conditional model: other_sen_requested:other_sen_sameparty
## dropping columns from rank-deficient conditional model: freshman
## dropping columns from rank-deficient conditional model: other_sen_requested:other_sen_sameparty
## dropping columns from rank-deficient conditional model: other_sen_requested:other_sen_sameparty
## dropping columns from rank-deficient conditional model: freshman
## dropping columns from rank-deficient conditional model: other_sen_requested:other_sen_sameparty
## dropping columns from rank-deficient conditional model: freshman
## dropping columns from rank-deficient conditional model: freshman
## dropping columns from rank-deficient conditional model: other_sen_requested:other_sen_sameparty
## dropping columns from rank-deficient conditional model: freshman
## dropping columns from rank-deficient conditional model: freshman
```

```
# Turn the bootstrap results into our CI estimates
# Omitting models with NA SEs
to.keep <- which(apply(is.na(do.call(rbind.data.frame,results_cond_ses)),1,sum) == 0)

# SD of coefficients to create standard errors for bootstrap
cond_vec_se_alt <- apply(do.call(rbind.data.frame,results_cond_coefs)[to.keep,], 2, sd)
zi_vec_se_alt <- apply(do.call(rbind.data.frame,results_zi_coefs)[to.keep,], 2, sd)

# Variable names for our bootstrapped SEs
names(cond_vec_se_alt) <- c("intercept","log_countypop_scaled", "other_sen_requested", "other_sen_samepa
                            "female", "dem", "core_county","swing_county","seniority_scaled",
                            "party_leader", "meddist_scaled", "freshman", "pct_urban_scaled",
```

```
                            "median_household_income_scaled", "factor(year)2022","capital","other_sen_re

names(zi_vec_se_alt) <- c("intercept","dem", "on_appropriations", "meddist_scaled", "dem:meddist_scaled"

# Rounding
cond_vec_se_alt <- round(cond_vec_se_alt,3)
zi_vec_se_alt <- round(zi_vec_se_alt,3)

# Running the zero inflated model outside of the loop to get coefficients
zim_2_boot <- glmmTMB(log_sum ~ log_countypop_scaled + other_sen_requested*other_sen_sameparty + on_appr
                   core_county + swing_county + seniority_scaled + party_leader + meddist_scaled +
                   freshman + pct_urban_scaled + median_household_income_scaled + capital + factor(year)
                 zi = ~  dem + on_appropriations + meddist_scaled + dem*meddist_scaled,
                 data = senators_appropriations, family =  gaussian)
# Model summary
summary_zim_boot <- summary(zim_2_boot)

# Save coefficients from the model
cond_boot <- summary_zim_boot$coefficients$cond
zi_boot <- summary_zim_boot$coefficients$zi
coefs_boot <- c(cond_boot[,1])
coefs2_boot <- c(zi_boot[,1])

# Running linear models to feed into stargazer, but we will replace the coefficients and SEs with those
basic_reg_boot <- lm(log_sum ~ dem + on_appropriations + meddist_scaled + log_countypop_scaled +
                   other_sen_requested*other_sen_sameparty +
                   female + core_county + swing_county + seniority_scaled + party_leader +
                   freshman + pct_urban_scaled + median_household_income_scaled + factor(year) + capital
                 data = senators_appropriations)

basic_reg2_boot <- lm(log_sum ~  dem + on_appropriations + meddist_scaled + dem*meddist_scaled,
                  data = senators_appropriations[complete.cases(senators_appropriations),])
```

Table C.10 Output

```
# Save the regression results as a table
# se takes the bootstrapped SEs
stargazer(basic_reg2_boot, basic_reg_boot,
          omit=c("Constant"),
          notes.append = FALSE,notes.label = "",
          report="vc*s",star.char=c("*","**"),star.cutoffs = c(0.10,0.05),no.space = TRUE,
          font.size = "footnotesize", model.numbers = FALSE,
          column.labels=c("First Stage","Second Stage"),
          dep.var.labels = "Log(County Appropriations Requests + 1)",column.sep.width="0pt",
          covariate.labels=c( "Democrat (Majority Party Member)", "Member of Appropriations Committee",
                              "Distance from DW-NOMINATE Median x Democrat", "Log County Population",
                              "Other Senator Requested Funds to County","Other Senator is Same Party",
                              "Senator is a Woman","Core County", "Swing County","Seniority", "Party Lea
                              "Freshman Senator", "County Percent Urban Population", "County Median Hous
                              "Fiscal Year 2023","County Includes Capital City", "Other Senator Request
          notes="\\parbox[t]{.9\\textwidth}{\\footnotesize \\textit{Note}: The table shows the results
```

```
                        senator's county-level appropriation request behavior. The first stage models wh
                        second stage models the logged total amount of funding a senator requests. Stand
                        We are forced to drop 509 of our initial 20000 bootstrapped iterations due to in
          label="tab1_county_boot",
          digits=3,
          coef=list(coefs2_boot, coefs_boot),
          se=list(zi_vec_se_alt, cond_vec_se_alt),
          digits.extra = 0,
          title="Predictors of Spending Requests at the County Level with Bootstrapped Standard Errors"
          omit.stat = c("ll","rsq","adj.rsq","ser","f"))
```

```
##
## % Table created by stargazer v.5.2.3 by Marek Hlavac, Social Policy Institute. E-mail: marek.hlavac a
## % Date and time: Fri, Jul 05, 2024 - 14:28:09
## \begin{table}[!htbp] \centering
##   \caption{Predictors of Spending Requests at the County Level with Bootstrapped Standard Errors}
##   \label{tab1_county_boot}
## \footnotesize
## \begin{tabular}{@{\extracolsep{0pt}}lcc}
## \\[-1.8ex]\hline
## \hline \\[-1.8ex]
##  & \multicolumn{2}{c}{\textit{Dependent variable:}} \\
## \cline{2-3}
## \\[-1.8ex] & \multicolumn{2}{c}{Log(County Appropriations Requests + 1)} \\
##  & First Stage & Second Stage \\
## \hline \\[-1.8ex]
##  Democrat (Majority Party Member) & $-$3.225$^{**}$ & $-$0.054 \\
##   & (0.585) & (0.261) \\
##   Member of Appropriations Committee & $-$0.503 & 0.057 \\
##   & (0.419) & (0.238) \\
##   Distance from DW-NOMINATE Median & 1.776$^{**}$ & 0.246 \\
##   & (0.634) & (0.157) \\
##   Distance from DW-NOMINATE Median x Democrat & $-$1.867$^{**}$ &  \\
##   & (0.731) &  \\
##   Log County Population &  & 0.678$^{**}$ \\
##   &  & (0.093) \\
##   Other Senator Requested Funds to County &  & 2.029$^{**}$ \\
##   &  & (0.526) \\
##   Other Senator is Same Party &  & 0.484 \\
##   &  & (0.483) \\
##   Senator is a Woman &  & 0.025 \\
##   &  & (0.250) \\
##   Core County &  & 0.546$^{**}$ \\
##   &  & (0.132) \\
##   Swing County &  & 0.292$^{**}$ \\
##   &  & (0.083) \\
##   Seniority &  & $-$0.012 \\
##   &  & (0.133) \\
##   Party Leader &  & 0.061 \\
##   &  & (0.268) \\
##   Freshman Senator &  & 0.147 \\
##   &  & (0.476) \\
##   County Percent Urban Population &  & 0.036 \\
##   &  & (0.074) \\
```

```
##   County Median Household Income &  & $-$0.122$^{**}$ \\
##   &  & (0.042) \\
##   Fiscal Year 2023 &  & 0.339$^{**}$ \\
##   &  & (0.073) \\
##   County Includes Capital City &  & 0.614$^{**}$ \\
##   &  & (0.143) \\
##   Other Senator Requested * Other Senator Same Party &  & $-$1.429$^{**}$ \\
##   &  & (0.543) \\
##  \hline \\[-1.8ex]
## Observations & 12,324 & 12,324 \\
## \hline
## \hline \\[-1.8ex]
## \multicolumn{3}{r}{\parbox[t]{.9\textwidth}{\footnotesize \textit{Note}: The table shows the results
##                         senator's county-level appropriation request behavior. The first stage models
##                         second stage models the logged total amount of funding a senator requests. S
##                         We are forced to drop 509 of our initial 20000 bootstrapped iterations due t
## \end{tabular}
## \end{table}
```

Table C.11 Analysis

```
# Remove all objects
rm(list=ls())
# Loading the data
load("county_level_request_data.RData")

# Set the seed to run the bootstrap and create empty lists to store results
set.seed(02138)
# 20000 bootstraps
nboot <- 20000
results_cond_coefs  <- list()
results_cond_ses  <- list()
results_zi_coefs  <- list()
results_zi_ses  <- list()

# Creating a unique senator variable
senators_appropriations$unique_senator_name <- paste0(senators_appropriations$senator, senators_appropri

# Bootstrapping at the county level
ids <- unique(senators_appropriations$GEOID)

for (k in 1:nboot) {
  # Sample counties to be used in this bootstrap iteration
  county_sample <- sample(ids,  length(ids),replace=TRUE)
  # Take all of the counties that each observation in our bootstrapped sample has
  dataset <-  inner_join(tibble(GEOID = county_sample), senators_appropriations, by = "GEOID")

  # Then, run the zero-inflated model with this sample
  zim_2 <- glmmTMB(log_sum ~ log_countypop_scaled + other_sen_requested*other_sen_sameparty + on_appropi
                     core_county + swing_county + seniority_scaled + party_leader + meddist_scaled +
                     freshman + pct_urban_scaled + median_household_income_scaled + factor(year) + capi
                   zi = ~  dem + on_appropriations + meddist_scaled + dem*meddist_scaled,
```

```
                  data = dataset, family =  gaussian)

  summary_zim <- summary(zim_2)

  results_cond_coefs[[k]]  <- summary_zim$coefficients$cond[,1]
  results_cond_ses[[k]]  <- summary_zim$coefficients$cond[,2]
  results_zi_coefs[[k]]  <- summary_zim$coefficients$zi[,1]
  results_zi_ses[[k]]  <- summary_zim$coefficients$zi[,2]

  if (k %% 100 == 0) cat(paste(k, "out of", nboot, "samples stored..\n"))

}

# Turn the bootstrap results into our CI estimates
# Omitting models with NA SEs
to.keep <- which(apply(is.na(do.call(rbind.data.frame,results_cond_ses)),1,sum) == 0)

# SD of coefficients to create standard errors for bootstrap
cond_vec_se_alt <- apply(do.call(rbind.data.frame,results_cond_coefs)[to.keep,], 2, sd)
zi_vec_se_alt <- apply(do.call(rbind.data.frame,results_zi_coefs)[to.keep,], 2, sd)

# Variable names for our bootstrapped SEs
names(cond_vec_se_alt) <- c("intercept","log_countypop_scaled", "other_sen_requested", "other_sen_samepa
                            "female", "dem", "core_county","swing_county","seniority_scaled",
                            "party_leader", "meddist_scaled", "freshman", "pct_urban_scaled",
                            "median_household_income_scaled", "factor(year)2022","capital","other_sen_re
names(zi_vec_se_alt) <- c("intercept","dem", "on_appropriations", "meddist_scaled", "dem:meddist_scaled"

# Rounding
cond_vec_se_alt <- round(cond_vec_se_alt,3)
zi_vec_se_alt <- round(zi_vec_se_alt,3)

# Running the zero inflated model outside of the loop to get coefficients
zim_2_boot2 <- glmmTMB(log_sum ~ log_countypop_scaled + other_sen_requested*other_sen_sameparty + on_app
                    core_county + swing_county + seniority_scaled + party_leader + meddist_scaled +
                    freshman + pct_urban_scaled + median_household_income_scaled + capital + factor(year
                  zi = ~  dem + on_appropriations + meddist_scaled + dem*meddist_scaled,
                  data = senators_appropriations, family =  gaussian)
# Model summary
summary_zim_boot2 <- summary(zim_2_boot2)

# Save coefficients from the model
cond_boot2 <- summary_zim_boot2$coefficients$cond
zi_boot2 <- summary_zim_boot2$coefficients$zi
coefs_boot2 <- c(cond_boot2[,1])
coefs2_boot2 <- c(zi_boot2[,1])

# Running linear models to feed into stargazer, but we will replace the coefficients and SEs with those
basic_reg_boot2 <- lm(log_sum ~ dem + on_appropriations + meddist_scaled + log_countypop_scaled +
                    other_sen_requested*other_sen_sameparty +
                    female + core_county + swing_county + seniority_scaled + party_leader +
                    freshman + pct_urban_scaled + median_household_income_scaled + factor(year) + capital
                  data = senators_appropriations)
```

```r
basic_reg2_boot2 <- lm(log_sum ~  dem + on_appropriations + meddist_scaled + dem*meddist_scaled,
                 data = senators_appropriations[complete.cases(senators_appropriations),])
```

Table C.11 Output

```r
# Save the regression results as a table
# se takes the bootstrapped SEs
stargazer(basic_reg2_boot2, basic_reg_boot2,
          omit=c("Constant"),
          notes.append = FALSE,notes.label = "",
          report="vc*s",star.char=c("*","**"),star.cutoffs = c(0.10,0.05),no.space = TRUE,
          font.size = "footnotesize", model.numbers = FALSE,
          column.labels=c("First Stage","Second Stage"),
          dep.var.labels = "Log(County Appropriations Requests + 1)",column.sep.width="0pt",
          covariate.labels=c( "Democrat (Majority Party Member)", "Member of Appropriations Committee",
                              "Distance from DW-NOMINATE Median x Democrat", "Log County Population",
                              "Other Senator Requested Funds to County","Other Senator is Same Party",
                              "Senator is a Woman","Core County", "Swing County","Seniority", "Party Lea
                              "Freshman Senator", "County Percent Urban Population", "County Median Hous
                              "Fiscal Year 2023","County Includes Capital City", "Other Senator Request
          notes="\\parbox[t]{.9\\textwidth}{\\footnotesize \\textit{Note}: The table shows the results
                        senator's county-level appropriation request behavior. The first stage models wh
                        second stage models the logged total amount of funding a senator requests. Stand
          label="tab1_county_boot_county_level",
          digits=3,
          coef=list(coefs2_boot2, coefs_boot2),
          se=list(zi_vec_se_alt, cond_vec_se_alt),
          digits.extra = 0,
          title="Predictors of Spending Requests at the County Level with Bootstrapped Standard Errors
          omit.stat = c("ll","rsq","adj.rsq","ser","f"))
```

```
##
## % Table created by stargazer v.5.2.3 by Marek Hlavac, Social Policy Institute. E-mail: marek.hlavac a
## % Date and time: Fri, Jul 05, 2024 - 18:51:54
## \begin{table}[!htbp] \centering
##   \caption{Predictors of Spending Requests at the County Level with Bootstrapped Standard Errors (Cou
##   \label{tab1_county_boot_county_level}
## \footnotesize
## \begin{tabular}{@{\extracolsep{0pt}}lcc}
## \\[-1.8ex]\hline
## \hline \\[-1.8ex]
##  & \multicolumn{2}{c}{\textit{Dependent variable:}} \\
## \cline{2-3}
## \\[-1.8ex] & \multicolumn{2}{c}{Log(County Appropriations Requests + 1)} \\
##  & First Stage & Second Stage \\
## \hline \\[-1.8ex]
##  Democrat (Majority Party Member) & $-$3.225$^{**}$ & $-$0.054 \\
##   & (0.095) & (0.112) \\
##   Member of Appropriations Committee & $-$0.503$^{**}$ & 0.057 \\
##   & (0.071) & (0.069) \\
##   Distance from DW-NOMINATE Median & 1.776$^{**}$ & 0.246$^{**}$ \\
```

```
##   & (0.085) & (0.049) \\
##   Distance from DW-NOMINATE Median x Democrat & $-$1.867$^{**}$ &  \\
##   & (0.102) &  \\
##   Log County Population &  & 0.678$^{**}$ \\
##   &  & (0.061) \\
##   Other Senator Requested Funds to County &  & 2.029$^{**}$ \\
##   &  & (0.178) \\
##   Other Senator is Same Party &  & 0.484$^{**}$ \\
##   &  & (0.122) \\
##   Senator is a Woman &  & 0.025 \\
##   &  & (0.068) \\
##   Core County &  & 0.546$^{**}$ \\
##   &  & (0.086) \\
##   Swing County &  & 0.292$^{**}$ \\
##   &  & (0.082) \\
##   Seniority &  & $-$0.012 \\
##   &  & (0.037) \\
##   Party Leader &  & 0.061 \\
##   &  & (0.061) \\
##   Freshman Senator &  & 0.147 \\
##   &  & (0.110) \\
##   County Percent Urban Population &  & 0.036 \\
##   &  & (0.056) \\
##   County Median Household Income &  & $-$0.122$^{**}$ \\
##   &  & (0.034) \\
##   Fiscal Year 2023 &  & 0.339$^{**}$ \\
##   &  & (0.049) \\
##   County Includes Capital City &  & 0.614$^{**}$ \\
##   &  & (0.164) \\
##   Other Senator Requested * Other Senator Same Party &  & $-$1.429$^{**}$ \\
##   &  & (0.206) \\
##  \hline \\[-1.8ex]
## Observations & 12,324 & 12,324 \\
## \hline
## \hline \\[-1.8ex]
## \multicolumn{3}{r}{\parbox[t]{.9\textwidth}{\footnotesize \textit{Note}: The table shows the results
##                         senator's county-level appropriation request behavior. The first stage models
##                         second stage models the logged total amount of funding a senator requests. S
## \end{tabular}
## \end{table}
```

Table C.13 Analysis

```
# Remove all objects
rm(list=ls())
# Loading the data
load("county_level_request_data.RData")

zim_percapita <- glmmTMB(logpercap ~ log_countypop_scaled  + other_sen_requested*other_sen_sameparty + c
                  core_county + swing_county + seniority_scaled + party_leader + meddist_scaled +
                  freshman + pct_urban_scaled + median_household_income_scaled + capital + factor(year)
                zi = ~  dem + on_appropriations + meddist_scaled + dem*meddist_scaled,
```

```
                  data = senators_appropriations, family =  gaussian)
# Model summary and standard errors
summary_zim_percapita <- summary(zim_percapita)
ses_percapita <-standard_error(zim_percapita)

# Save coefficients from the model
cond_percapita <- summary_zim_percapita$coefficients$cond
zi_percapita <- summary_zim_percapita$coefficients$zi
coefs_percapita <- c(cond_percapita[,1])
coefs2_percapita <- c(zi_percapita[,1])

# Save standard errors from the model
ses_cond_percapita <- c(ses_percapita$SE[ses_percapita$Component=="conditional"])
names(ses_cond_percapita) <- ses_percapita$Parameter[ses_percapita$Component=="conditional"]
ses_zi_percapita <- c(ses_percapita$SE[ses_percapita$Component=="zero_inflated"])
names(ses_zi_percapita) <- ses_percapita$Parameter[ses_percapita$Component=="zero_inflated"]

# Running linear models to feed into stargazer, but we will replace the coefficients and SEs with those
basic_reg_percap <- lm(logpercap ~ dem + on_appropriations + meddist_scaled + log_countypop_scaled  +
                         other_sen_requested*other_sen_sameparty +
                         female + core_county + swing_county + seniority_scaled + party_leader +
                         freshman + pct_urban_scaled + median_household_income_scaled + capital + factor
                       data = senators_appropriations)

basic_reg2_percap <- lm(logpercap~  dem + on_appropriations + meddist_scaled + dem*meddist_scaled,
                        data = senators_appropriations[complete.cases(senators_appropriations),])
```

Table C.13 Output

```
# Save the regression results as a table
# coef and se take the coefficients and standard errors from the zero-inflated model
stargazer(basic_reg2_percap, basic_reg_percap,
          omit=c("Constant"),
          notes.append = FALSE,notes.label = "",
          report="vc*s",star.char=c("*","**"),star.cutoffs = c(0.10,0.05),no.space = TRUE,
          font.size = "footnotesize", model.numbers = FALSE,
          column.labels=c("First Stage","Second Stage"),
          dep.var.labels = "Log(Per Capita County Appropriations Requests + 1)",column.sep.width="0pt",
          covariate.labels=c( "Democrat (Majority Party Member)", "Member of Appropriations Committee",
                              "Distance from Floor Median x Democrat", "Log County Population",
                              "Other Senator Requested Funds to County","Other Senator is Same Party",
                              "Senator is a Woman","Core County", "Swing County","Seniority", "Party Lea
                              "Freshman Senator", "County Percent Urban Population", "County Median Hous
                              "County Includes Capital City", "Fiscal Year 2023", "Other Senator Reques
          notes="\\parbox[t]{.9\\textwidth}{\\footnotesize \\textit{Note}: The table shows the results
                        senator's county-level appropriation request behavior. The first stage models wh
                        second stage models the logged total amount of funding a senator requests. $^{*
          label="tab1_county_percap",
          digits=3,
          coef=list(coefs2_percapita, coefs_percapita),
          se=list(ses_zi_percapita, ses_cond_percapita),
```

```
          digits.extra = 0,
          title="Predictors of Per Capita Spending Requests at the County Level",
          omit.stat = c("ll","rsq","adj.rsq","ser","f"))
```

```
##
## % Table created by stargazer v.5.2.3 by Marek Hlavac, Social Policy Institute. E-mail: marek.hlavac a
## % Date and time: Fri, Jul 05, 2024 - 18:51:55
## \begin{table}[!htbp] \centering
##   \caption{Predictors of Per Capita Spending Requests at the County Level}
##   \label{tab1_county_percap}
## \footnotesize
## \begin{tabular}{@{\extracolsep{0pt}}lcc}
## \\[-1.8ex]\hline
## \hline \\[-1.8ex]
##  & \multicolumn{2}{c}{\textit{Dependent variable:}} \\
## \cline{2-3}
## \\[-1.8ex] & \multicolumn{2}{c}{Log(Per Capita County Appropriations Requests + 1)} \\
##  & First Stage & Second Stage \\
## \hline \\[-1.8ex]
##  Democrat (Majority Party Member) & $-$3.232$^{**}$ & $-$0.079 \\
##   & (0.073) & (0.087) \\
##   Member of Appropriations Committee & $-$0.505$^{**}$ & 0.058 \\
##   & (0.058) & (0.060) \\
##   Distance from Floor Median & 1.776$^{**}$ & 0.238$^{**}$ \\
##   & (0.088) & (0.044) \\
##   Distance from Floor Median x Democrat & $-$1.866$^{**}$ &  \\
##   & (0.100) &  \\
##   Log County Population &  & $-$0.799$^{**}$ \\
##   &  & (0.043) \\
##   Other Senator Requested Funds to County &  & 1.972$^{**}$ \\
##   &  & (0.153) \\
##   Other Senator is Same Party &  & 0.450$^{**}$ \\
##   &  & (0.109) \\
##   Senator is a Woman &  & 0.030 \\
##   &  & (0.055) \\
##   Core County &  & 0.543$^{**}$ \\
##   &  & (0.064) \\
##   Swing County &  & 0.302$^{**}$ \\
##   &  & (0.065) \\
##   Seniority &  & $-$0.013 \\
##   &  & (0.032) \\
##   Party Leader &  & 0.058 \\
##   &  & (0.059) \\
##   Freshman Senator &  & 0.141 \\
##   &  & (0.101) \\
##   County Percent Urban Population &  & 0.034 \\
##   &  & (0.041) \\
##   County Median Household Income &  & $-$0.119$^{**}$ \\
##   &  & (0.025) \\
##   County Includes Capital City &  & 0.600$^{**}$ \\
##   &  & (0.117) \\
##   Fiscal Year 2023 &  & 0.345$^{**}$ \\
##   &  & (0.049) \\
##   Other Senator Requested * Other Senator Same Party &  & $-$1.357$^{**}$ \\
```

```
##   &  & (0.179) \\
##  \hline \\[-1.8ex]
## Observations & 12,324 & 12,324 \\
## \hline
## \hline \\[-1.8ex]
## \multicolumn{3}{r}{\parbox[t]{.9\textwidth}{\footnotesize \textit{Note}: The table shows the results
##                         senator's county-level appropriation request behavior. The first stage models
##                         second stage models the logged total amount of funding a senator requests. $
## \end{tabular}
## \end{table}
```

Table C.14 Analysis

```
# Remove all objects
rm(list=ls())
# Loading the data
load("county_level_request_data.RData")

# Running the zero inflated model
zim_2_divided_county <- glmmTMB(log_sum_by_county ~ log_countypop_scaled  + other_sen_requested*other_s
                                  core_county + swing_county + seniority_scaled + party_leader + meddis
                                  freshman + pct_urban_scaled + median_household_income_scaled + capita
                                zi = ~  dem + on_appropriations + meddist_scaled + dem*meddist_scaled,
                                data = senators_appropriations, family =  gaussian)
# Model summary and standard errors
summary_zim_divided_county <- summary(zim_2_divided_county)
ses_divided_county <-standard_error(zim_2_divided_county)

# Save coefficients from the model
cond_divided_county <- summary_zim_divided_county$coefficients$cond
zi_divided_county <- summary_zim_divided_county$coefficients$zi
coefs_divided_county <- c(cond_divided_county[,1])
coefs2_divided_county <- c(zi_divided_county[,1])

# Save standard errors from the model
ses_cond_divided_county <- c(ses_divided_county$SE[ses_divided_county$Component=="conditional"])
names(ses_cond_divided_county) <- ses_divided_county$Parameter[ses_divided_county$Component=="conditiona
ses_zi_divided_county <- c(ses_divided_county$SE[ses_divided_county$Component=="zero_inflated"])
names(ses_zi_divided_county) <- ses_divided_county$Parameter[ses_divided_county$Component=="zero_inflat

# Running linear models to feed into stargazer, but we will replace the coefficients and SEs with those
basic_reg_divided_county <- lm(log_sum_by_county ~ dem + on_appropriations + meddist_scaled + log_county
                  other_sen_requested*other_sen_sameparty +
                  female + core_county + swing_county + seniority_scaled + party_leader +
                  freshman + pct_urban_scaled + median_household_income_scaled + capital + factor(year)
                data = senators_appropriations)

basic_reg2_divided_county <- lm(log_sum_by_county ~  dem + on_appropriations + meddist_scaled + dem*medd
                 data = senators_appropriations[complete.cases(senators_appropriations),])
```

Table C.14 Output

```
# Save the regression results as a table
# coef and se take the coefficients and standard errors from the zero-inflated model
stargazer(basic_reg2_divided_county, basic_reg_divided_county,
          omit=c("Constant"),
          notes.append = FALSE,notes.label = "",
          report="vc*s",star.char=c("*","**"),star.cutoffs = c(0.10,0.05),no.space = TRUE,
          font.size = "footnotesize", model.numbers = FALSE,
          column.labels=c("First Stage","Second Stage"),
          dep.var.labels = "Log(County Appropriations Requests + 1)",column.sep.width="0pt",
          covariate.labels=c( "Democrat (Majority Party Member)", "Member of Appropriations Committee",
                              "Distance from Floor Median x Democrat", "Log County Population",
                              "Other Senator Requested Funds to County","Other Senator is Same Party",
                              "Senator is a Woman","Core County", "Swing County","Seniority", "Party Lea
                              "Freshman Senator", "County Percent Urban Population", "County Median Hous
                              "County Includes Capital City", "Fiscal Year 2023", "Other Senator Request
          notes="\\parbox[t]{.9\\textwidth}{\\footnotesize \\textit{Note}: The table shows the results f
                       senator's county-level appropriation request behavior. The first stage models wh
                       second stage models the logged total amount of funding a senator requests. $^{**
          label="tab1_county_divided",
          digits=3,
          coef=list(coefs2_divided_county, coefs_divided_county),
          se=list(ses_zi_divided_county, ses_cond_divided_county),
          digits.extra = 0,
          title="Predictors of Spending Requests at the County Level, Total Appropriations Divided by th
          omit.stat = c("ll","rsq","adj.rsq","ser","f"))
```

```
##
## % Table created by stargazer v.5.2.3 by Marek Hlavac, Social Policy Institute. E-mail: marek.hlavac a
## % Date and time: Fri, Jul 05, 2024 - 18:51:56
## \begin{table}[!htbp] \centering
##   \caption{Predictors of Spending Requests at the County Level, Total Appropriations Divided by the I
##   \label{tab1_county_divided}
## \footnotesize
## \begin{tabular}{@{\extracolsep{0pt}}lcc}
## \\[-1.8ex]\hline
## \hline \\[-1.8ex]
##  & \multicolumn{2}{c}{\textit{Dependent variable:}} \\
## \cline{2-3}
## \\[-1.8ex] & \multicolumn{2}{c}{Log(County Appropriations Requests + 1)} \\
##  & First Stage & Second Stage \\
## \hline \\[-1.8ex]
##  Democrat (Majority Party Member) & $-$3.225$^{**}$ & 0.065 \\
##   & (0.073) & (0.095) \\
##   Member of Appropriations Committee & $-$0.503$^{**}$ & 0.035 \\
##   & (0.058) & (0.066) \\
##   Distance from Floor Median & 1.776$^{**}$ & 0.234$^{**}$ \\
##   & (0.088) & (0.048) \\
##   Distance from Floor Median x Democrat & $-$1.867$^{**}$ &  \\
##   & (0.100) &  \\
##   Log County Population &  & 0.716$^{**}$ \\
##   &  & (0.047) \\
```

```
##   Other Senator Requested Funds to County &  & 2.347$^{**}$ \\
##   &  & (0.167) \\
##   Other Senator is Same Party &  & 0.570$^{**}$ \\
##   &  & (0.117) \\
##   Senator is a Woman &  & 0.111$^{*}$ \\
##   &  & (0.061) \\
##   Core County &  & 0.707$^{**}$ \\
##   &  & (0.070) \\
##   Swing County &  & 0.408$^{**}$ \\
##   &  & (0.071) \\
##   Seniority &  & $-$0.004 \\
##   &  & (0.035) \\
##   Party Leader &  & $-$0.028 \\
##   &  & (0.064) \\
##   Freshman Senator &  & 0.066 \\
##   &  & (0.110) \\
##   County Percent Urban Population &  & 0.067 \\
##   &  & (0.045) \\
##   County Median Household Income &  & $-$0.158$^{**}$ \\
##   &  & (0.027) \\
##   County Includes Capital City &  & 0.502$^{**}$ \\
##   &  & (0.129) \\
##   Fiscal Year 2023 &  & 0.212$^{**}$ \\
##   &  & (0.054) \\
##   Other Senator Requested * Other Senator Same Party &  & $-$1.665$^{**}$ \\
##   &  & (0.195) \\
##  \hline \\[-1.8ex]
## Observations & 12,324 & 12,324 \\
## \hline
## \hline \\[-1.8ex]
## \multicolumn{3}{r}{\parbox[t]{.9\textwidth}{\footnotesize \textit{Note}: The table shows the results
##                         senator's county-level appropriation request behavior. The first stage models
##                         second stage models the logged total amount of funding a senator requests. $
## \end{tabular}
## \end{table}
```

Table C.15 Analysis

```
# Remove all objects
rm(list=ls())
# Loading the data
load("county_level_request_data.RData")

# Running the zero inflated model
zim_2_continuous_safety <- glmmTMB(log_sum ~ log_countypop_scaled  + other_sen_requested*other_sen_samep
                  same_partyvote_scaled + seniority_scaled + party_leader + meddist_scaled +
                  freshman + pct_urban_scaled + median_household_income_scaled + capital + factor(year)
                zi = ~  dem + on_appropriations + meddist_scaled + dem*meddist_scaled,
                data = senators_appropriations, family =  gaussian)
# Model summary and standard errors
summary_zim_continuous_safety <- summary(zim_2_continuous_safety)
ses_continuous_safety <-standard_error(zim_2_continuous_safety)
```

```r
# Save coefficients from the model
cond_continuous_safety <- summary_zim_continuous_safety$coefficients$cond
zi_continuous_safety <- summary_zim_continuous_safety$coefficients$zi
coefs_continuous_safety <- c(cond_continuous_safety[,1])
coefs2_continuous_safety <- c(zi_continuous_safety[,1])

# Save standard errors from the model
ses_cond_continuous_safety <- c(ses_continuous_safety$SE[ses_continuous_safety$Component=="conditional"]
names(ses_cond_continuous_safety) <- ses_continuous_safety$Parameter[ses_continuous_safety$Component=="c
ses_zi_continuous_safety <- c(ses_continuous_safety$SE[ses_continuous_safety$Component=="zero_inflated"]
names(ses_zi_continuous_safety) <- ses_continuous_safety$Parameter[ses_continuous_safety$Component=="ze

# Running linear models to feed into stargazer, but we will replace the coefficients and SEs with those
basic_reg_continuous_safety <- lm(log_sum ~ dem + on_appropriations + meddist_scaled + log_countypop_sca
                  other_sen_requested*other_sen_sameparty +
                  female + same_partyvote_scaled + seniority_scaled + party_leader +
                  freshman + pct_urban_scaled + median_household_income_scaled + capital + factor(year)
                data = senators_appropriations)

basic_reg2_continuous_safety <- lm(log_sum ~  dem + on_appropriations + meddist_scaled + dem*meddist_sca
                 data = senators_appropriations[complete.cases(senators_appropriations),])
```

Table C.15 Output

```r
# Save the regression results as a table
# coef and se take the coefficients and standard errors from the zero-inflated model
stargazer(basic_reg2_continuous_safety, basic_reg_continuous_safety,
          omit=c("Constant"),
          notes.append = FALSE,notes.label = "",
          report="vc*s",star.char=c("*","**"),star.cutoffs = c(0.10,0.05),no.space = TRUE,
          font.size = "footnotesize", model.numbers = FALSE,
          column.labels=c("First Stage","Second Stage"),
          dep.var.labels = "Log(County Appropriations Requests + 1)",column.sep.width="0pt",
          covariate.labels=c( "Democrat (Majority Party Member)", "Member of Appropriations Committee",
                              "Distance from Floor Median x Democrat", "Log County Population",
                              "Other Senator Requested Funds to County","Other Senator is Same Party",
                              "Senator is a Woman","Previous County Voteshare","Seniority", "Party Leade
                              "Freshman Senator", "County Percent Urban Population", "County Median Hous
                              "County Includes Capital City", "Fiscal Year 2023", "Other Senator Reques
          notes="\\parbox[t]{.9\\textwidth}{\\footnotesize \\textit{Note}: The table shows the results
                       senator's county-level appropriation request behavior. The first stage models wh
                       second stage models the logged total amount of funding a senator requests. $^{*
          label="tab1_county_altvote",
          digits=3,
          coef=list(coefs2_continuous_safety, coefs_continuous_safety),
          se=list(ses_zi_continuous_safety, ses_cond_continuous_safety),
          digits.extra = 0,
          title="Predictors of Spending Requests at the County Level Using a Continuous Measure of Elec
          omit.stat = c("ll","rsq","adj.rsq","ser","f"))
```

```
##
```

```
## % Table created by stargazer v.5.2.3 by Marek Hlavac, Social Policy Institute. E-mail: marek.hlavac a
## % Date and time: Fri, Jul 05, 2024 - 18:51:57
## \begin{table}[!htbp] \centering
##   \caption{Predictors of Spending Requests at the County Level Using a Continuous Measure of Electora
##   \label{tab1_county_altvote}
## \footnotesize
## \begin{tabular}{@{\extracolsep{0pt}}lcc}
## \\[-1.8ex]\hline
## \hline \\[-1.8ex]
##  & \multicolumn{2}{c}{\textit{Dependent variable:}} \\
## \cline{2-3}
## \\[-1.8ex] & \multicolumn{2}{c}{Log(County Appropriations Requests + 1)} \\
##  & First Stage & Second Stage \\
## \hline \\[-1.8ex]
##  Democrat (Majority Party Member) & $-$3.225$^{**}$ & $-$0.052 \\
##   & (0.073) & (0.090) \\
##   Member of Appropriations Committee & $-$0.503$^{**}$ & 0.074 \\
##   & (0.058) & (0.062) \\
##   Distance from Floor Median & 1.776$^{**}$ & 0.243$^{**}$ \\
##   & (0.088) & (0.045) \\
##   Distance from Floor Median x Democrat & $-$1.867$^{**}$ &  \\
##   & (0.100) &  \\
##   Log County Population &  & 0.691$^{**}$ \\
##   &  & (0.044) \\
##   Other Senator Requested Funds to County &  & 2.025$^{**}$ \\
##   &  & (0.156) \\
##   Other Senator is Same Party &  & 0.506$^{**}$ \\
##   &  & (0.109) \\
##   Senator is a Woman &  & 0.024 \\
##   &  & (0.057) \\
##   Previous County Voteshare &  & 0.258$^{**}$ \\
##   &  & (0.034) \\
##   Seniority &  & $-$0.013 \\
##   &  & (0.032) \\
##   Party Leader &  & 0.080 \\
##   &  & (0.060) \\
##   Freshman Senator &  & 0.182$^{*}$ \\
##   &  & (0.103) \\
##   County Percent Urban Population &  & 0.030 \\
##   &  & (0.042) \\
##   County Median Household Income &  & $-$0.121$^{**}$ \\
##   &  & (0.025) \\
##   County Includes Capital City &  & 0.595$^{**}$ \\
##   &  & (0.121) \\
##   Fiscal Year 2023 &  & 0.336$^{**}$ \\
##   &  & (0.050) \\
##   Other Senator Requested * Other Senator Same Party &  & $-$1.423$^{**}$ \\
##   &  & (0.182) \\
##  \hline \\[-1.8ex]
## Observations & 12,324 & 12,324 \\
## \hline
## \hline \\[-1.8ex]
## \multicolumn{3}{r}{\parbox[t]{.9\textwidth}{\footnotesize \textit{Note}: The table shows the results
##                          senator's county-level appropriation request behavior. The first stage models
```

```
##                          second stage models the logged total amount of funding a senator requests. $
## \end{tabular}
## \end{table}
```

Table C.16 Analysis

```
# Remove all objects
rm(list=ls())
# Loading the data
load("county_level_request_data.RData")

# Running the zero inflated model
zim_2_alt_cut <- glmmTMB(log_sum ~ log_countypop_scaled + other_sen_requested*other_sen_sameparty + on_
                   core_county2 + swing_county2 + seniority_scaled + party_leader + meddist_scaled +
                   freshman + pct_urban_scaled + median_household_income_scaled + capital + factor(year
                 zi = ~  dem + on_appropriations + meddist_scaled + dem*meddist_scaled,
                 data = senators_appropriations, family =  gaussian)
# Model summary and standard errors
summary_zim_alt_cut <- summary(zim_2_alt_cut)
ses_alt_cut <-standard_error(zim_2_alt_cut)

# Save coefficients from the model
cond_alt_cut <- summary_zim_alt_cut$coefficients$cond
zi_alt_cut <- summary_zim_alt_cut$coefficients$zi
coefs_alt_cut <- c(cond_alt_cut[,1])
coefs2_alt_cut <- c(zi_alt_cut[,1])

# Save standard errors from the model
ses_cond_alt_cut <- c(ses_alt_cut$SE[ses_alt_cut$Component=="conditional"])
names(ses_cond_alt_cut) <- ses_alt_cut$Parameter[ses_alt_cut$Component=="conditional"]
ses_zi_alt_cut <- c(ses_alt_cut$SE[ses_alt_cut$Component=="zero_inflated"])
names(ses_zi_alt_cut) <- ses_alt_cut$Parameter[ses_alt_cut$Component=="zero_inflated"]

# Running linear models to feed into stargazer, but we will replace the coefficients and SEs with those
basic_reg_alt_cut <- lm(log_sum ~ dem + on_appropriations + meddist_scaled + log_countypop_scaled +
                    other_sen_requested*other_sen_sameparty +
                    female + core_county2 + swing_county2 + seniority_scaled + party_leader +
                    freshman + pct_urban_scaled + median_household_income_scaled + capital + factor(year)
                  data = senators_appropriations)

basic_reg2_alt_cut <- lm(log_sum ~  dem + on_appropriations + meddist_scaled + dem*meddist_scaled,
                   data = senators_appropriations[complete.cases(senators_appropriations),])
```

Table C.16 Output

```
# Save the regression results as a table
# coef and se take the coefficients and standard errors from the zero-inflated model
stargazer(basic_reg2_alt_cut, basic_reg_alt_cut,
          omit=c("Constant"),
          notes.append = FALSE,notes.label = "",
```

```
          report="vc*s",star.char=c("*","**"),star.cutoffs = c(0.10,0.05),no.space = TRUE,
          font.size = "footnotesize", model.numbers = FALSE,
          column.labels=c("First Stage","Second Stage"),
          dep.var.labels = "Log(County Appropriations Requests + 1)",column.sep.width="0pt",
          covariate.labels=c( "Democrat (Majority Party Member)", "Member of Appropriations Committee",
                              "Distance from Floor Median x Democrat", "Log County Population",
                              "Other Senator Requested Funds to County","Other Senator is Same Party",
                              "Senator is a Woman","Core County (57.5)", "Swing County (47.5)","Seniorit
                              "Freshman Senator", "County Percent Urban Population", "County Median Hous
                              "County Includes Capital City", "Fiscal Year 2023", "Other Senator Reques
          notes="\\parbox[t]{.9\\textwidth}{\\footnotesize \\textit{Note}: The table shows the results f
                       senator's county-level appropriation request behavior. The first stage models wh
                       second stage models the logged total amount of funding a senator requests. $^{*
          label="tab1_county_altcoreswing",
          digits=3,
          coef=list(coefs2_alt_cut, coefs_alt_cut),
          se=list(ses_zi_alt_cut, ses_cond_alt_cut),
          digits.extra = 0,
          title="Predictors of Spending Requests at the County Level Using Alternative Cutpoints for Co
          omit.stat = c("ll","rsq","adj.rsq","ser","f"))
```

```
##
## % Table created by stargazer v.5.2.3 by Marek Hlavac, Social Policy Institute. E-mail: marek.hlavac a
## % Date and time: Fri, Jul 05, 2024 - 18:51:58
## \begin{table}[!htbp] \centering
##   \caption{Predictors of Spending Requests at the County Level Using Alternative Cutpoints for Core a
##   \label{tab1_county_altcoreswing}
## \footnotesize
## \begin{tabular}{@{\extracolsep{0pt}}lcc}
## \\[-1.8ex]\hline
## \hline \\[-1.8ex]
##  & \multicolumn{2}{c}{\textit{Dependent variable:}} \\
## \cline{2-3}
## \\[-1.8ex] & \multicolumn{2}{c}{Log(County Appropriations Requests + 1)} \\
##  & First Stage & Second Stage \\
## \hline \\[-1.8ex]
##  Democrat (Majority Party Member) & $-$3.225$^{**}$ & $-$0.049 \\
##   & (0.073) & (0.089) \\
##   Member of Appropriations Committee & $-$0.503$^{**}$ & 0.059 \\
##   & (0.058) & (0.061) \\
##   Distance from Floor Median & 1.776$^{**}$ & 0.246$^{**}$ \\
##   & (0.088) & (0.045) \\
##   Distance from Floor Median x Democrat & $-$1.867$^{**}$ &  \\
##   & (0.100) &  \\
##   Log County Population &  & 0.677$^{**}$ \\
##   &  & (0.044) \\
##   Other Senator Requested Funds to County &  & 2.012$^{**}$ \\
##   &  & (0.156) \\
##   Other Senator is Same Party &  & 0.477$^{**}$ \\
##   &  & (0.109) \\
##   Senator is a Woman &  & 0.035 \\
##   &  & (0.057) \\
##   Core County (57.5) &  & 0.547$^{**}$ \\
##   &  & (0.066) \\
```

```
##   Swing County (47.5) &  & 0.373$^{**}$ \\
##   &  & (0.065) \\
##   Seniority &  & $-$0.016 \\
##   &  & (0.032) \\
##   Party Leader &  & 0.068 \\
##   &  & (0.060) \\
##   Freshman Senator &  & 0.141 \\
##   &  & (0.103) \\
##   County Percent Urban Population &  & 0.036 \\
##   &  & (0.042) \\
##   County Median Household Income &  & $-$0.123$^{**}$ \\
##   &  & (0.025) \\
##   County Includes Capital City &  & 0.599$^{**}$ \\
##   &  & (0.121) \\
##   Fiscal Year 2023 &  & 0.337$^{**}$ \\
##   &  & (0.050) \\
##   Other Senator Requested * Other Senator Same Party &  & $-$1.416$^{**}$ \\
##   &  & (0.182) \\
##  \hline \\[-1.8ex]
## Observations & 12,324 & 12,324 \\
## \hline
## \hline \\[-1.8ex]
## \multicolumn{3}{r}{\parbox[t]{.9\textwidth}{\footnotesize \textit{Note}: The table shows the results
##                         senator's county-level appropriation request behavior. The first stage models
##                         second stage models the logged total amount of funding a senator requests. $
## \end{tabular}
## \end{table}
```

Table C.19 Analysis

```r
# Remove all objects
rm(list=ls())
# Loading the data
load("county_level_request_data.RData")

# Running the zero inflated model
zim_2_lowerthird <- glmmTMB(log_sum ~ log_countypop_scaled + other_sen_requested*other_sen_sameparty +
                  core_county + swing_county + seniority_scaled + party_leader + meddist_scaled +
                  freshman + pct_urban_scaled + tercile_income + capital + factor(year),
                zi = ~  dem + on_appropriations + meddist_scaled + dem*meddist_scaled,
                data = senators_appropriations, family = gaussian)
# Model summary and standard errors
summary_zim_lowerthird <- summary(zim_2_lowerthird)
ses_lowerthird <- standard_error(zim_2_lowerthird)

# Save coefficients from the model
cond_lowerthird <- summary_zim_lowerthird$coefficients$cond
zi_lowerthird <- summary_zim_lowerthird$coefficients$zi
coefs_lowerthird <- c(cond_lowerthird[,1])
coefs2_lowerthird <- c(zi_lowerthird[,1])

# Save standard errors from the model
```

```r
ses_cond_lowerthird <- c(ses_lowerthird$SE[ses_lowerthird$Component=="conditional"])
names(ses_cond_lowerthird) <- ses_lowerthird$Parameter[ses_lowerthird$Component=="conditional"]
ses_zi_lowerthird <- c(ses_lowerthird$SE[ses_lowerthird$Component=="zero_inflated"])
names(ses_zi_lowerthird) <- ses_lowerthird$Parameter[ses_lowerthird$Component=="zero_inflated"]

# Running linear models to feed into stargazer, but we will replace the coefficients and SEs with those
basic_reg_lowerthird <- lm(log_sum ~ dem + on_appropriations + meddist_scaled + log_countypop_scaled +
                  other_sen_requested*other_sen_sameparty +
                  female + core_county + swing_county + seniority_scaled + party_leader +
                  freshman + pct_urban_scaled + tercile_income + capital + factor(year),
                data = senators_appropriations)

basic_reg2_lowerthird <- lm(log_sum ~  dem + on_appropriations + meddist_scaled + dem*meddist_scaled,
                  data = senators_appropriations[complete.cases(senators_appropriations),])
```

Table C.19 Output

```r
# Save the regression results as a table
# coef and se take the coefficients and standard errors from the zero-inflated model
stargazer(basic_reg2_lowerthird, basic_reg_lowerthird,
          omit=c("Constant"),
          notes.append = FALSE,notes.label = "",
          report="vc*s",star.char=c("*","**"),star.cutoffs = c(0.10,0.05),no.space = TRUE,
          font.size = "footnotesize", model.numbers = FALSE,
          column.labels=c("First Stage","Second Stage"),
          dep.var.labels = "Log(County Appropriations Requests + 1)",column.sep.width="0pt",
          covariate.labels=c( "Democrat (Majority Party Member)", "Member of Appropriations Committee",
                              "Distance from Floor Median x Democrat", "Log County Population",
                              "Other Senator Requested Funds to County","Other Senator is Same Party",
                              "Senator is a Woman","Core County", "Swing County","Seniority", "Party Lea
                              "Freshman Senator", "County Percent Urban Population", "Tercile Measure o
                              "County Includes Capital City", "Fiscal Year 2023", "Other Senator Reques
          notes="\\parbox[t]{.9\\textwidth}{\\footnotesize \\textit{Note}: The table shows the results
                       senator's county-level appropriation request behavior. The first stage models wh
                       second stage models the logged total amount of funding a senator requests. $^{*
          label="tab1_county_altincome",
          digits=3,
          coef=list(coefs2_lowerthird, coefs_lowerthird),
          se=list(ses_zi_lowerthird, ses_cond_lowerthird),
          digits.extra = 0,
          title="Predictors of Spending Requests at the County Level Replacing Median Income with Tercil
          omit.stat = c("ll","rsq","adj.rsq","ser","f"))
```

```
##
## % Table created by stargazer v.5.2.3 by Marek Hlavac, Social Policy Institute. E-mail: marek.hlavac a
## % Date and time: Fri, Jul 05, 2024 - 18:51:59
## \begin{table}[!htbp] \centering
##   \caption{Predictors of Spending Requests at the County Level Replacing Median Income with Tercile I
##   \label{tab1_county_altincome}
## \footnotesize
## \begin{tabular}{@{\extracolsep{0pt}}lcc}
```

```
## \\[-1.8ex]\hline
## \hline \\[-1.8ex]
##  & \multicolumn{2}{c}{\textit{Dependent variable:}} \\
## \cline{2-3}
## \\[-1.8ex] & \multicolumn{2}{c}{Log(County Appropriations Requests + 1)} \\
##  & First Stage & Second Stage \\
## \hline \\[-1.8ex]
##  Democrat (Majority Party Member) & $-$3.225$^{**}$ & $-$0.172$^{**}$ \\
##   & (0.073) & (0.087) \\
##   Member of Appropriations Committee & $-$0.503$^{**}$ & 0.062 \\
##   & (0.058) & (0.062) \\
##   Distance from Floor Median & 1.776$^{**}$ & 0.233$^{**}$ \\
##   & (0.088) & (0.045) \\
##   Distance from Floor Median x Democrat & $-$1.867$^{**}$ &  \\
##   & (0.100) &  \\
##   Log County Population &  & 0.639$^{**}$ \\
##   &  & (0.044) \\
##   Other Senator Requested Funds to County &  & 2.010$^{**}$ \\
##   &  & (0.156) \\
##   Other Senator is Same Party &  & 0.434$^{**}$ \\
##   &  & (0.109) \\
##   Senator is a Woman &  & 0.022 \\
##   &  & (0.057) \\
##   Core County &  & 0.514$^{**}$ \\
##   &  & (0.065) \\
##   Swing County &  & 0.280$^{**}$ \\
##   &  & (0.067) \\
##   Seniority &  & $-$0.012 \\
##   &  & (0.032) \\
##   Party Leader &  & 0.066 \\
##   &  & (0.060) \\
##   Freshman Senator &  & 0.228$^{**}$ \\
##   &  & (0.102) \\
##   County Percent Urban Population &  & 0.030 \\
##   &  & (0.042) \\
##   Tercile Measure of Median Household Income (Low to High) &  & $-$0.060$^{*}$ \\
##   &  & (0.033) \\
##   County Includes Capital City &  & 0.641$^{**}$ \\
##   &  & (0.121) \\
##   Fiscal Year 2023 &  & 0.335$^{**}$ \\
##   &  & (0.050) \\
##   Other Senator Requested * Other Senator Same Party &  & $-$1.411$^{**}$ \\
##   &  & (0.182) \\
##  \hline \\[-1.8ex]
## Observations & 12,324 & 12,324 \\
## \hline
## \hline \\[-1.8ex]
## \multicolumn{3}{r}{\parbox[t]{.9\textwidth}{\footnotesize \textit{Note}: The table shows the results
##                          senator's county-level appropriation request behavior. The first stage models
##                          second stage models the logged total amount of funding a senator requests. $
## \end{tabular}
## \end{table}
```

Table C.22 Analysis

```
# Remove all objects
rm(list=ls())
# Loading the data
load("county_level_request_data.RData")

# Running the zero inflated model
zim_2_poverty <- glmmTMB(log_sum ~ log_countypop_scaled + other_sen_requested*other_sen_sameparty + on_a
                   core_county + swing_county + seniority_scaled + party_leader + meddist_scaled +
                   freshman + pct_urban_scaled + per_poverty_scaled + capital + factor(year),
                 zi = ~  dem + on_appropriations + meddist_scaled + dem*meddist_scaled,
                 data = senators_appropriations, family =  gaussian)
# Model summary and standard errors
summary_zim_poverty <- summary(zim_2_poverty)
ses_poverty <-standard_error(zim_2_poverty)

# Save coefficients from the model
cond_poverty <- summary_zim_poverty$coefficients$cond
zi_poverty <- summary_zim_poverty$coefficients$zi
coefs_poverty <- c(cond_poverty[,1])
coefs2_poverty <- c(zi_poverty[,1])

# Save standard errors from the model
ses_cond_poverty <- c(ses_poverty$SE[ses_poverty$Component=="conditional"])
names(ses_cond_poverty) <- ses_poverty$Parameter[ses_poverty$Component=="conditional"]
ses_zi_poverty <- c(ses_poverty$SE[ses_poverty$Component=="zero_inflated"])
names(ses_zi_poverty) <- ses_poverty$Parameter[ses_poverty$Component=="zero_inflated"]

# Running linear models to feed into stargazer, but we will replace the coefficients and SEs with those
basic_reg_poverty <- lm(log_sum ~ dem + on_appropriations + meddist_scaled + log_countypop_scaled +
                    other_sen_requested*other_sen_sameparty +
                    female + core_county + swing_county + seniority_scaled + party_leader +
                    freshman + pct_urban_scaled + per_poverty_scaled + capital + factor(year),
                  data = senators_appropriations)

basic_reg2_poverty <- lm(log_sum ~  dem + on_appropriations + meddist_scaled + dem*meddist_scaled,
                   data = senators_appropriations[complete.cases(senators_appropriations[,c("dem","on_appr
                                                                                           "other_sen_re
                                                                                           "female","cor
                                                                                           "freshman","p
```

Table C.22 Output

```
# Save the regression results as a table
# coef and se take the coefficients and standard errors from the zero-inflated model
stargazer(basic_reg2_poverty, basic_reg_poverty,
          omit=c("Constant"),
          notes.append = FALSE,notes.label = "",
          report="vc*s",star.char=c("*","**"),star.cutoffs = c(0.10,0.05),no.space = TRUE,
          font.size = "footnotesize", model.numbers = FALSE,
```

```
          column.labels=c("First Stage","Second Stage"),
          dep.var.labels = "Log(County Appropriations Requests + 1)",column.sep.width="0pt",
          covariate.labels=c( "Democrat (Majority Party Member)", "Member of Appropriations Committee",
                              "Distance from Floor Median x Democrat", "Log County Population",
                              "Other Senator Requested Funds to County","Other Senator is Same Party",
                              "Senator is a Woman","Core County", "Swing County","Seniority", "Party Lea
                              "Freshman Senator", "County Percent Urban Population", "County Percent Bel
                              "County Includes Capital City", "Fiscal Year 2023", "Other Senator Request
          notes="\\parbox[t]{.9\\textwidth}{\\footnotesize \\textit{Note}: The table shows the results f
                       senator's county-level appropriation request behavior. The first stage models wh
                       second stage models the logged total amount of funding a senator requests. $^{**
          label="tab1_county_poverty",
          digits=3,
          coef=list(coefs2_poverty, coefs_poverty),
          se=list(ses_zi_poverty, ses_cond_poverty),
          digits.extra = 0,
          title="Predictors of Spending Requests at the County Level Replacing Median Income with Percen
          omit.stat = c("ll","rsq","adj.rsq","ser","f"))
```

```
##
## % Table created by stargazer v.5.2.3 by Marek Hlavac, Social Policy Institute. E-mail: marek.hlavac a
## % Date and time: Fri, Jul 05, 2024 - 18:52:00
## \begin{table}[!htbp] \centering
##   \caption{Predictors of Spending Requests at the County Level Replacing Median Income with Percent P
##   \label{tab1_county_poverty}
## \footnotesize
## \begin{tabular}{@{\extracolsep{0pt}}lcc}
## \\[-1.8ex]\hline
## \hline \\[-1.8ex]
##  & \multicolumn{2}{c}{\textit{Dependent variable:}} \\
## \cline{2-3}
## \\[-1.8ex] & \multicolumn{2}{c}{Log(County Appropriations Requests + 1)} \\
##  & First Stage & Second Stage \\
## \hline \\[-1.8ex]
##  Democrat (Majority Party Member) & $-$3.225$^{**}$ & $-$0.111 \\
##   & (0.073) & (0.089) \\
##   Member of Appropriations Committee & $-$0.504$^{**}$ & 0.056 \\
##   & (0.058) & (0.062) \\
##   Distance from Floor Median & 1.776$^{**}$ & 0.242$^{**}$ \\
##   & (0.088) & (0.045) \\
##   Distance from Floor Median x Democrat & $-$1.867$^{**}$ &  \\
##   & (0.100) &  \\
##   Log County Population &  & 0.630$^{**}$ \\
##   &  & (0.043) \\
##   Other Senator Requested Funds to County &  & 2.023$^{**}$ \\
##   &  & (0.156) \\
##   Other Senator is Same Party &  & 0.441$^{**}$ \\
##   &  & (0.109) \\
##   Senator is a Woman &  & 0.027 \\
##   &  & (0.057) \\
##   Core County &  & 0.517$^{**}$ \\
##   &  & (0.065) \\
##   Swing County &  & 0.280$^{**}$ \\
##   &  & (0.067) \\
```

```
##   Seniority &  & $-$0.007 \\
##   &  & (0.032) \\
##   Party Leader &  & 0.063 \\
##   &  & (0.060) \\
##   Freshman Senator &  & 0.183$^{*}$ \\
##   &  & (0.103) \\
##   County Percent Urban Population &  & 0.023 \\
##   &  & (0.042) \\
##   County Percent Below the Poverty Line &  & 0.058$^{*}$ \\
##   &  & (0.030) \\
##   County Includes Capital City &  & 0.632$^{**}$ \\
##   &  & (0.121) \\
##   Fiscal Year 2023 &  & 0.334$^{**}$ \\
##   &  & (0.050) \\
##   Other Senator Requested * Other Senator Same Party &  & $-$1.429$^{**}$ \\
##   &  & (0.182) \\
##  \hline \\[-1.8ex]
## Observations & 12,328 & 12,328 \\
## \hline
## \hline \\[-1.8ex]
## \multicolumn{3}{r}{\parbox[t]{.9\textwidth}{\footnotesize \textit{Note}: The table shows the results
##                         senator's county-level appropriation request behavior. The first stage models
##                         second stage models the logged total amount of funding a senator requests. $
## \end{tabular}
## \end{table}
```