

Assignment 1: Tables and Figures

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```
library(dplyr)
library(ggplot2)
library(stargazer)
library(coefplot)
```

Summary of Church Attendance per District

```
load("descript.RData")
knitr::kable(descript[,2:7], format = "pandoc", digits=2, caption = "Descriptive Statistics")
```

Table 1: Descriptive Statistics

	n	mean	sd	min	max	range
churchAttMean	212	2.55	0.77	1	7	6
churchAttDummy	212	0.15	0.19	0	1	1

```
load("churchAtt.RData")
gles2 %>%
  ggplot(aes(x = churchAttMean)) +
  geom_density(alpha = 0.7, fill = "grey30", color = NA) +
  ylab('Density') + xlab("") +
  scale_x_continuous(breaks = c(1,7), labels = c("Never", "More often")) +
  theme_bw()
```

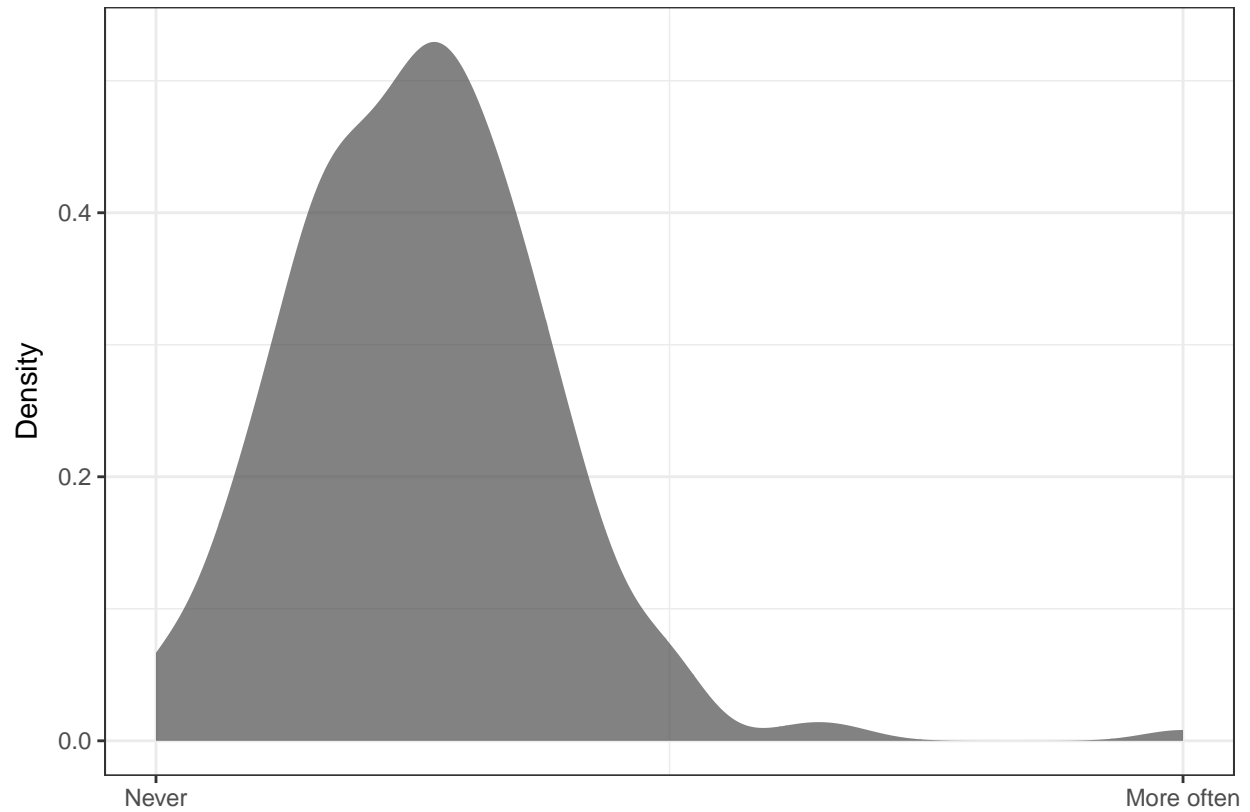


Figure 1: Mean Church Attendance per Constituency

Regression models

```
load("model1.RData")
load("model2.RData")
stargazer::stargazer(model1, model2,
  title = "Determinants of MPs' Positions in the Debate on Regulating PGD",
  header=F, model.numbers = F, dep.var.labels.include = F,
  dep.var.caption = "DV: Position",
  column.labels = c("Base model", "Full model"))

load("model3.RData")
load("model4.RData")
stargazer::stargazer(model3, model4,
  title = "Determinants of Roll-Call Vote Decision on Regulating PGD",
  header=F, model.numbers = F, dep.var.caption = "DV: Vote",
  dep.var.labels.include = F,
  column.labels = c("Base model", "Full model"))
```

Table 2: Determinants of MPs' Positions in the Debate on Regulating PGD

	DV: Position	
	Base model	Full model
churchAttMean	−0.242 (0.190)	−0.267 (0.196)
Catholic	−0.908*** (0.248)	−0.796*** (0.295)
Protestant	0.280 (0.292)	0.258 (0.324)
NoAffiliation	−0.620 (0.567)	−0.555 (0.592)
Female	0.556 (0.361)	0.556 (0.369)
Parent	0.573* (0.297)	0.643** (0.313)
FemaleParent	−0.543 (0.453)	−0.679 (0.468)
Theology	−0.556 (0.379)	−0.445 (0.391)
Medicine	0.201 (0.389)	0.185 (0.404)
Greens		−0.180 (0.346)
CDU		−0.166 (0.318)
CSU		−0.781 (0.517)
Left		−0.304 (0.400)
FDP		0.120 (0.410)
Constant	0.440 (0.551)	0.619 (0.601)
Observations	70	70
R ²	0.309	0.350
Adjusted R ²	0.206	0.185
Residual Std. Error	0.837 (df = 60)	0.848 (df = 55)
F Statistic	2.985*** (df = 9; 60)	2.120** (df = 14; 55)

Note:

4

*p<0.1; **p<0.05; ***p<0.01

Table 3: Determinants of Roll-Call Vote Decision on Regulating PGD

	DV: Vote	
	Base model	Full model
churchAttMean	−0.171 (0.136)	−0.124 (0.153)
Catholic	−1.757*** (0.282)	−1.285*** (0.384)
Protestant	0.091 (0.265)	0.386 (0.359)
NoAffiliation	0.139 (0.622)	0.273 (0.659)
Female	−0.095 (0.356)	0.105 (0.384)
Parent	−0.018 (0.285)	0.121 (0.318)
FemaleParent	0.315 (0.462)	0.028 (0.502)
Theology	−1.290* (0.716)	−1.156 (0.814)
Medicine	0.391 (0.646)	0.009 (0.729)
Greens		−1.362*** (0.390)
CDU		−1.343*** (0.349)
CSU		−2.630*** (0.822)
Left		−0.624 (0.391)
FDP		2.503*** (0.767)
Constant	1.077** (0.444)	1.288** (0.532)
Observations	421	421
Log Likelihood	−256.562	−215.022
Akaike Inf. Crit.	533.123	460.043

Note: *p<0.1; **p<0.05; ***p<0.01

```
plot <- coefplot::multiplot(model2, model4, single = F, lwdInner = 0.5, title = "", xlab = "", ylab = "
plot + scale_color_manual(values=c("black","black"))
```

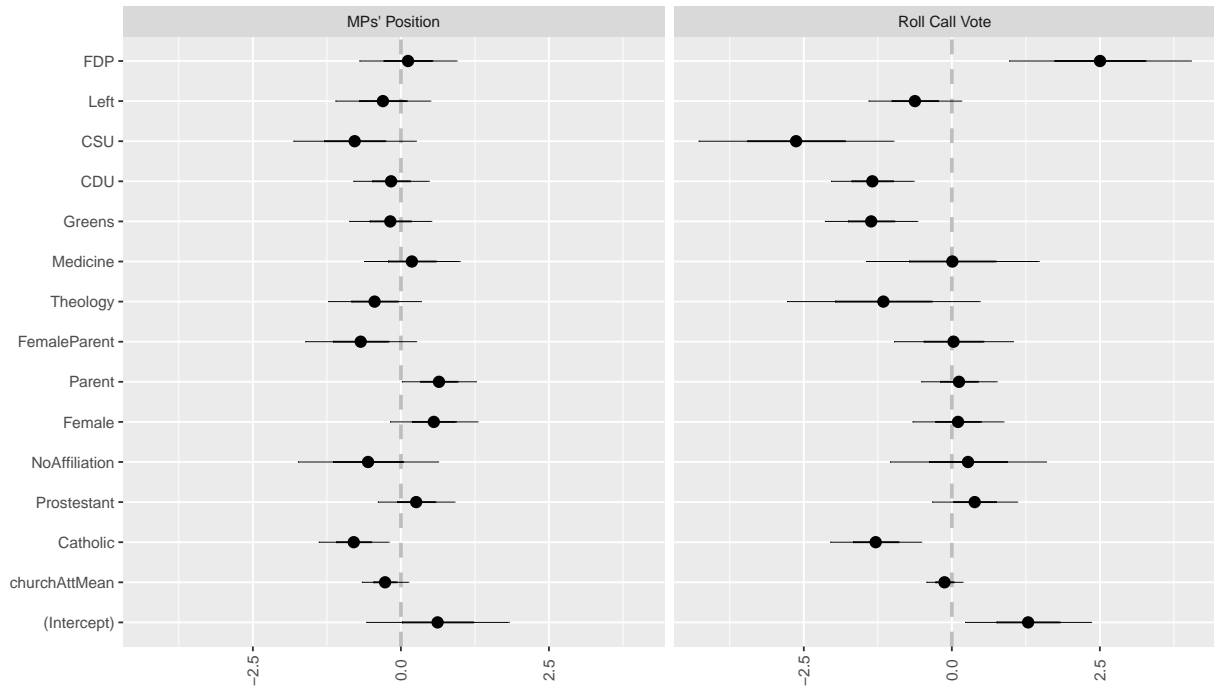


Figure 2: Determinants of MP Position and Roll Call