Assignment 1: Tables and Figures

Matthias Haber

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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	0.91	0.15	0	1	1

```r
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()
```
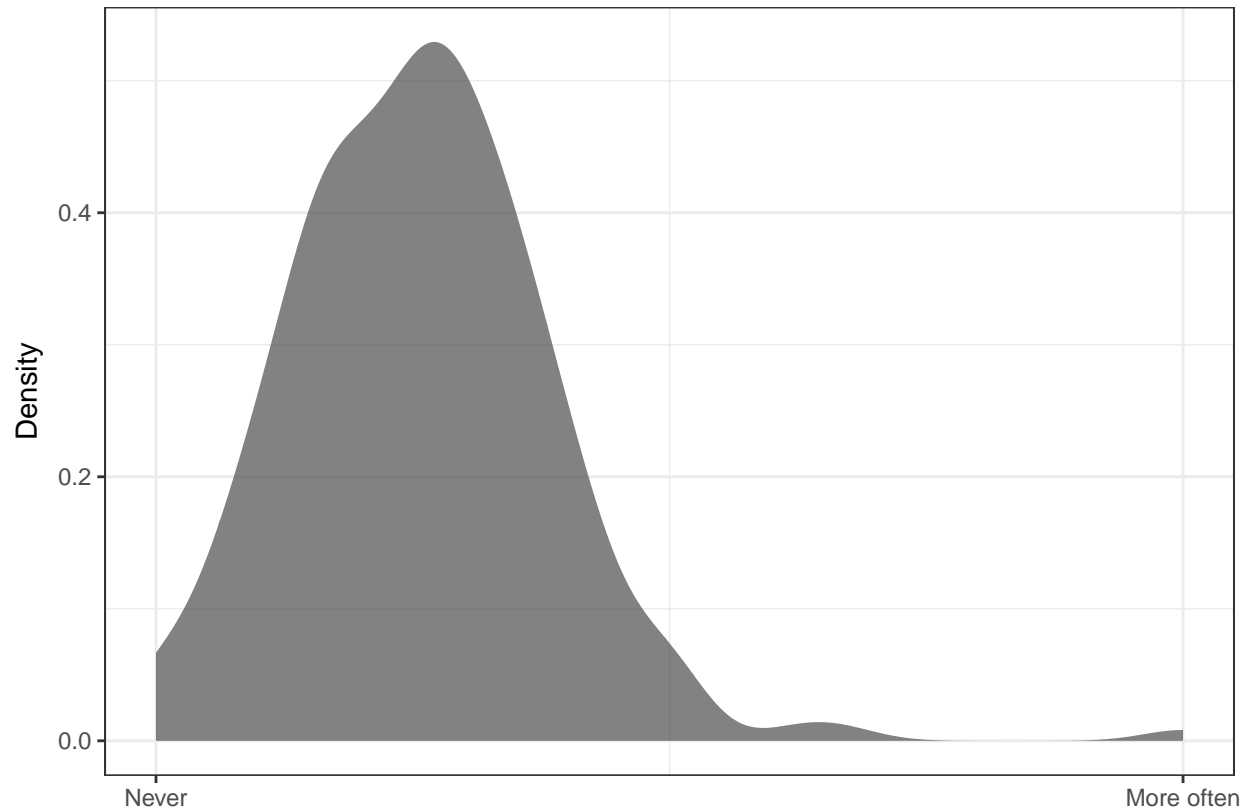

Figure 1: Mean Church Attendance per Constituency

Regression models

```r
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"))
```

```r
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	−0.267
	(0.190)	(0.196)
Catholic	−0.908***	−0.796***
	(0.248)	(0.295)
Prostestant	0.280	0.258
	(0.292)	(0.324)
NoAffiliation	−0.620	−0.555
	(0.567)	(0.592)
Female	0.556	0.556
	(0.361)	(0.369)
Parent	0.573*	0.643**
	(0.297)	(0.313)
FemaleParent	−0.543	−0.679
	(0.453)	(0.468)
Theology	−0.556	−0.445
	(0.379)	(0.391)
Medicine	0.201	0.185
	(0.389)	(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	0.619
	(0.551)	(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	−0.124
	(0.136)	(0.153)
Catholic	−1.757***	−1.285***
	(0.282)	(0.384)
Prostestant	0.091	0.386
	(0.265)	(0.359)
NoAffiliation	0.139	0.273
	(0.622)	(0.659)
Female	−0.095	0.105
	(0.356)	(0.384)
Parent	−0.018	0.121
	(0.285)	(0.318)
FemaleParent	0.315	0.028
	(0.462)	(0.502)
Theology	−1.290*	−1.156
	(0.716)	(0.814)
Medicine	0.391	0.009
	(0.646)	(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**	1.288**
	(0.444)	(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"))
```
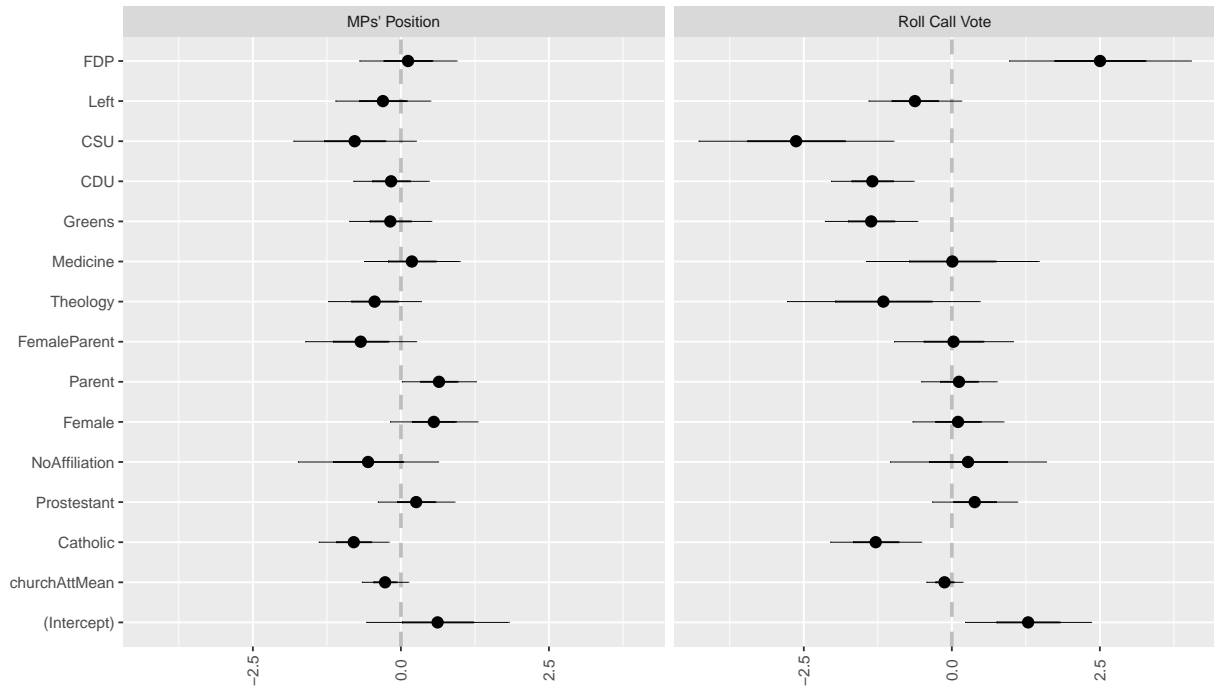

Figure 2: Determinants of MP'Position and Roll Call