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Gender heterogeneity and politics in decision-making about green public procurement in the Czech Republic

Politics and Governance

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Appendix B

R code of the analysis

```
Clean <- read.table("/Documents/Clean.csv", header=TRUE, stringsAsFactors=TRUE, sep="," ,  
na.strings="NA", dec=".", strip.white=TRUE)
```

Contingency tables by gender

```
library(abind)
```

```
Table1 <- xtabs(~Higher.Edu+Gender, data=Clean); print(Table1)
```

```
Test1 <- chisq.test(.Table, correct=FALSE); print(Test1)
```

```
Table2 <- xtabs(~Politic+Gender, data=Clean); print(Table2)
```

```
Test2 <- chisq.test(Table2, correct=FALSE); print(Test2)
```

```
Table3 <- xtabs(~Size.category.of.municipality+Gender, data=Clean); print(Table3)
```

```
Test3 <- chisq.test(Table3, correct=FALSE); print(Test3)
```

Path Analysis

```
library(lavaan)
```

```
mediation.M2<-'
```

```
Q3~ a3*Higher.Edu + b3*Size + c3*Female + d3*Politic
```

```
Q5~ a5*Higher.Edu + b5*Size + c5*Female + d5*Politic
```

```
Q7~ a7*Higher.Edu + b7*Size + c7*Female + d7*Politic
```

```
Politic ~ e*Higher.Edu + f*Female + g*Size
```

```
ed.3 := e*d3
```

```
fd.3 := f*d3
```

```
gd.3 := g*d3
```

```
ed.5 := e*d5
```

```
fd.5 := f*d5
```

```
gd.5 := g*d5
```

```
ed.7 := e*d7
```

```
fd.7 := f*d7
```

```
gd.7 := g*d7
```

```
total3 := a3 + b3 + c3 + d3 + e*d3 + f*d3 + g*d3
```

```
total5 := a5 + b5 + c5 + d5 + e*d5 + f*d5 + g*d5
```

```
total7 := a7 + b7 + c7 + d7 + e*d7 + f*d7 + g*d7'
```

```
mediation.M2.res<-cfa(mediation.M2, data=Clean)
```

```
summary(mediation.M2.res,fit.measures = TRUE, standardized=T,rsquare=T)
```