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)
```