**BASE MODEL**

*can use base file*

LL: -2301.527

Estimates:

est se trat\_0 trat\_1 robse robtrat\_0 robtrat\_1

asc1 0.0000 NA NA NA NA NA NA

tc -2.4087 0.1060 -22.73 -32.17 0.1763 -13.66 -19.33

tt -0.1939 0.0094 -20.60 -126.86 0.0142 -13.66 -84.12

Covariance matrix:

asc1 tc tt

asc1 NA NA NA

tc NA 0.0112300 8.951e-04

tt NA 0.0008951 8.857e-05

Robust covariance matrix:

asc1 tc tt

asc1 NA NA NA

tc NA 0.031090 0.0019850

tt NA 0.001985 0.0002015

*VTT: DKK 4.83/hr*

**SEPARATE COEFFICIENTS BY GENDER**

*following changes are needed*

beta=c(0,0,0,0,0)

names(beta)=c("asc1","tc\_male","tt\_male","tc\_female","tt\_female")

data[,U1:=asc1+tc\_male\*(sex==1)\*tc1+tt\_male\*(sex==1)\*tt1+tc\_female\*(sex==2)\*tc1+tt\_female\*(sex==2)\*tt1]

data[,U2:=tc\_male\*(sex==1)\*tc2+tt\_male\*(sex==1)\*tt2+tc\_female\*(sex==2)\*tc2+tt\_female\*(sex==2)\*tt2]

*results*

LL: -2287.322

* *LR test value against base model: -2\*(-2301.527+2287.322)=28.41, while critical value is only 5.99*
* *reject H0* that time and cost coefficients are equal for men and women

Estimates:

est se trat\_0 trat\_1 robse robtrat\_0 robtrat\_1

asc1 0.0000 NA NA NA NA NA NA

tc\_male -2.2171 0.1277 -17.36 -25.19 0.2195 -10.10 -14.65

tt\_male -0.1917 0.0117 -16.36 -101.68 0.0195 -9.82 -61.05

tc\_female -2.8549 0.1995 -14.31 -19.32 0.3132 -9.12 -12.31

tt\_female -0.2007 0.0164 -12.25 -73.29 0.0207 -9.70 -58.01

Covariance matrix:

asc1 tc\_male tt\_male tc\_female tt\_female

asc1 NA NA NA NA NA

tc\_male NA 1.630e-02 1.352e-03 2.933e-04 2.143e-05

tt\_male NA 1.352e-03 1.374e-04 2.429e-05 1.774e-06

tc\_female NA 2.933e-04 2.429e-05 3.980e-02 2.913e-03

tt\_female NA 2.143e-05 1.774e-06 2.913e-03 2.684e-04

Robust covariance matrix:

asc1 tc\_male tt\_male tc\_female tt\_female

asc1 NA NA NA NA NA

tc\_male NA 4.820e-02 3.534e-03 0.0015910 9.973e-05

tt\_male NA 3.534e-03 3.810e-04 0.0001234 7.640e-06

tc\_female NA 1.591e-03 1.234e-04 0.0980800 4.935e-03

tt\_female NA 9.973e-05 7.640e-06 0.0049350 4.284e-04

*VTT male: DKK 5.19/hr*

*VTT female: DKK 4.22/hr*