

Dear participants,

If you would like to prepare for the course, here are some readings that we recommend:

For an introduction to survival analysis and multistate modeling:

Willekens, Frans (2014): *Multistate Analysis of Life Histories with R*, Springer International Publishing Switzerland, chapter 2 (pp. 7-52)

For an introduction to choice modeling:

Hess, Stephane and Andrew Daly (2014): *Handbook of choice modeling*. Edward Elgar Publishing Limited, Cheltenham.

For the link between microsimulation and the quantile function:

Willekens, Frans (2009): Continuous-time Microsimulation in Longitudinal Analysis. In: Asghar Zaidi, Ann Harding, and Paul Williamson (eds.): *New Frontiers in Microsimulation Modelling*. Ashgate, Farnham.

For an introduction to microsimulation using the MicSim package in R:

Zinn, S. (2014). The MicSim Package of R: An Entry-Level Toolkit for Continuous-Time Microsimulation. *International Journal of Microsimulation* (2014) 7(3) 3-32

For applications of agent-based modeling in demography:

Billari, Francesco, Prskawetz, Alexia, Aparicio Diaz, Belinda and Thomas Fent (2007): The "Wedding-Ring": An agent-based marriage model based on social interaction. *Demographic Research* 17 : 59-82.

Bijak, J., Hilton, J., Silverman, E., & Dung Cao, V. (2013). Reforging the Wedding Ring: Exploring a semi-artificial model of population for the United Kingdom with Gaussian process. *Demographic Research*, 29, 729-766.

On the theory of planned behavior as applied in demography:

Ajzen, Icek and Jane Klobas (2013): Fertility intentions: An approach based on the theory of planned behavior. *Demographic Research* 29: 203-232