## **Description of Additional Supplementary Files**

File Name: Supplementary Data 1

Description: Command lines for dataset generation. Lines 1-113 contain command lines for BASE datasets, i.e., those used to calculate the cutoff value. Lines 114-226 contain command lines for TEST datasets, i.e., those used to test for selection and/or the effect of confounding factors. The trajectory files are available at: https://doi.org/10.6084/m9.figshare.6339533.