

# README: Simulation Studies

The folder contains 3 subfolders: `code`, `result` and `summary`.

## Subfolder `code`

This folder contains all the code for simulation studies on data generation models 3.1-3.6.

File name	Description
<code>con31.R</code>	Simulation code for continuous data generation model 3.1
<code>con32.R</code>	Simulation code for continuous data generation model 3.2
<code>con33.R</code>	Simulation code for continuous data generation model 3.3
<code>cat34.R</code>	Simulation code for categorical data generation model 3.4
<code>cat35.R</code>	Simulation code for categorical data generation model 3.5
<code>cat36.R</code>	Simulation code for categorical data generation model 3.6
<code>micombine.R</code>	Functions used by the other 6 files

## Subfolder `result`

This folder stores simulation results after executing those files in the folder `code`.

File name	Description
<code>con31.RData</code>	Simulation result for continuous data generation model 3.1
<code>con32.RData</code>	Simulation result for continuous data generation model 3.2
<code>con33.RData</code>	Simulation result for continuous data generation model 3.3
<code>cat34.RData</code>	Simulation result for categorical data generation model 3.4
<code>cat35.RData</code>	Simulation result for categorical data generation model 3.5
<code>cat36.RData</code>	Simulation result for categorical data generation model 3.6

## Subfolder `summary`

This folder includes the code for generating summary tables and figures.

File name	Description
<code>resultcon.R</code>	Summary tables and figures for continuous data generation model 3.1-3.3
<code>resultcat.R</code>	Summary tables and figures for categorical data generation model 3.4-3.6

Folder name	Description
<code>functions</code>	Functions for generating summary tables and figures