

The data sets of the MAT-files, contained in the folder "LEPP-Data", have been created by Monte Carlo simulation.

The name of the MAT-file indicates the distribution and corresponds to the abbreviation in the book.

In each MAT-file 'dat1' refers to data-type 1, 'dat2' to data-type 2 and 'dat3' to data-type 3.

In MAT-file EMN1\_dat we have also included a matrix 'moments' to be used as input of moments of reduced order statistics of the minimum extreme value distribution of type I.

We describe the contents of each data-matrix by giving the sample size, the type of censoring (in case of 'dat1'), and the parameter values used in Monte Carlo simulation.

AS\_data.mat dat1 - n = 20 (uncensored), a = 1, b = 2  
dat2 - n = 50, a = 0, b = 10  
dat3 - n = 15, a = 2, b = 5

CA\_data.mat dat1 - n = 20 (uncensored), a = 2, b = 1  
dat2 - n = 100, a = 1, b = 1.2  
dat3 - n = 20, a = 0, b = 1.5

COO\_data.mat dat1 - n = 12 (doubly censored), a = 2, b = 2  
dat2 - n = 80, a = 0, b = 3  
dat3 - n = 15, a = 0, b = 1.5

COR\_data.mat dat1 - n = 9 (uncensored), a = 0, b = 3  
dat2 - n = 50, a = 2, b = 2  
dat3 - n = 25, a = -1, b = 2

EMN1\_data.mat dat1 - n = 8 (selected order statistics), a = 1, b = 6  
dat2 - n = 100, a = 5, b = 2  
dat3 - n = 30, a = -2, b = 8  
moments - input for running LEPP with moments of reduced order statistics in conjunction with dat1 above

EMN2\_data.mat dat1 - n = 10 (uncensored), a = 0, b = 2, c = 2  
dat2 - n = 90, a = 4, b = 1, c = 3  
dat3 - n = 15, a = 2, b = 1.5, c = 3

EMN3\_data.mat dat1 - n = 16 (uncensored), a = 2, b = 2, c = 2  
dat2 - n = 70, a = 0, b = 3, c = 4  
dat3 - n = 15, a = 1, b = 3, c = 0.5

EMX1\_data.mat dat1 - n = 15 (uncensored), a = 5, b = 2  
dat2 - n = 70, a = 0, b = 5  
dat3 - n = 25, a = 3, b = 4

EMX2\_data.mat dat1 - n = 15 (uncensored), a = 4, b = 3, c = 1  
dat2 - n = 100, a = 0, b = 2, c = 3  
dat3 - n = 10, a = 0, b = 4, c = 5

EMX3\_data.mat dat1 - n = 20 (uncensored), a = 0, b = 2, c = 3  
dat2 - n = 50, a = 10, b = 0.2, c = 0.5  
dat3 - n = 14, a = 1, b = 0.5, c = 2

EX\_data.mat dat1 - n = 25 (censored on the right), a = 4, b = 10  
dat2 - n = 80, a = 0, b = 20  
dat3 - n = 20, a = 10, b = 5

HC\_data.mat dat1 - n = 20 (censored on the right), a = 2, b = 5  
dat2 - n = 100, a = 0, b = 2  
dat3 - n = 20, a = 1, b = 1

HL\_data.mat dat1 - n = 15 (uncensored), a = 3, b = 2  
dat2 - n = 40, a = 0, b = 4  
dat3 - n = 20, a = -1, b = 4

HN\_data.mat dat1 - n = 20 (uncensored), a = 4, b = 10  
dat2 - n = 50, a = 0, b = 5  
dat3 - n = 15, a = 2, b = 2

HS\_data.mat dat1 - n = 20 (doubly censored), a = 0, b = 3  
dat2 - n = 100, a = 2, b = 5  
dat3 - n = 30, a = 2, b = 0.5

LA\_data.mat dat1 - n = 15 (uncensored), a = 4, b = 2  
dat2 - n = 80, a = 0, b = 3  
dat3 - n = 20, a = 2, b = 1

LNL\_data.mat dat1 - n = 15 (uncensored), a = 2, a~ = 1, b~ = 2

dat2 - n = 80, a = 0, a~ = 0.8, b~ = 1.5  
 dat3 - n = 14, a = 1, a~ = -1, b~ = 3

LNU\_data.mat dat1 - n = 10 (uncensored), a = 1, a~ = 1.2, b~ = 1  
 dat2 - n = 50, a = 0, a~ = 1, b~ = 2  
 dat3 - n = 16, a = 6, a~ = 0.4, b~ = 1.5

LO\_data.mat dat1 - n = 7 (doubly censored), a = 0, b = 5  
 dat2 - n = 100, a = 2, b = 0.5  
 dat3 - n = 16, a = -1, b = 1.5

MB\_data.mat dat1 - n = 15 (uncensored), a = 0, b = 3  
 dat2 - n = 80, a = 1, b = 1  
 dat3 - n = 20, a = 2, b = 3

NO\_data.mat dat1 - n = 10 (uncensored) a = 10, b = 5  
 dat2 - n = 100, a = 0, b = 10  
 dat3 - n = 25, a = -5, b = 0.5

PA\_data.mat dat1 - n = 12 (uncensored), a = 2, b = 5, c = 3  
 dat2 - n = 70, a = 0, b = 10, c = 2  
 dat3 - n = 15, a = 10, b = 3, c = 1

PAI\_data.mat dat1 - n = 7 (uncensored), a = 0, b = 4  
 dat2 - n = 50, a = 5, b = 1  
 dat3 - n = 20, a = -1, b = 2

PAU\_data.mat dat1 - n = 10 (uncensored), a = 2, b = 2  
 dat2 - n = 50, a = 0, b = 1  
 dat3 - n = 20, a = 3, b = 4

PO\_data.mat dat1 - n = 15 (uncensored), a = 0, b = 10, c = 3  
 dat2 - n = 60, a = 1, b = 5, c = 1  
 dat3 - n = 14, a = 2, b = 2, c = 0.5

RA\_data.mat dat1 - n = 25 (uncensored), a = 1, b = 5  
 dat2 - n = 60, a = 0, b = 0.5  
 dat3 - n = 15, a = 0, b = 2

RE\_data.mat dat1 - n = 20 (censored on the right), a = 0, b = 2  
 dat2 - n = 65, a = 1, b = 5  
 dat3 - n = 16, a = 0, b = 4

SE\_data.mat dat1 - n = 7 (uncensored), a = 0, b = 3  
 dat2 - n = 100, a = 0, b = 10  
 dat3 - n = 15, a = 0, b = 3

TE\_data.mat dat1 - n = 10 (uncensored), a = 0, b = 10  
 dat2 - n = 100, a = 0, b = 5  
 dat3 - n = 12, a = 0, b = 1

TN\_data.mat dat1 - n = 10 (uncensored), a = 0, b = 1  
 dat2 - n = 80, a = 10, b = 5  
 dat3 - n = 15, a = 4, b = 2

TP\_data.mat dat1 - n = 9 (uncensored), a = 0, b = 10  
 dat2 - n = 50, a = 4, b = 2  
 dat3 - n = 16, a = 0, b = 4

TS\_data.mat dat1 - n = 12 (uncensored), a = 5, b = 10  
 dat2 - n = 50, a = 0, b = 2  
 dat3 - n = 20, a = 1, b = 2

UB\_data.mat dat1 - n = 10 (uncensored), a = 4, b = 2  
 dat2 - n = 40, a = 0, b = 5  
 dat3 - n = 18, a = 1, b = 3

UN\_data.mat dat1 - n = 15 (uncensored), a = 4, b = 10  
 dat2 - n = 60, a = 0, b = 5  
 dat3 - n = 15, a = 1, b = 3

VS\_data.mat dat1 - n = 15 (uncensored), a = 1, b = 1  
 dat2 - n = 100, a = 0, b = 2  
 dat3 - n = 16, a = 4, b = 4

