**********ANFANG**********
Multipel-Lineare Regression
(Inverse Matrix via Neumann- und Schulz-Iterationsverfahren)

Programm: REGRMUQB.BAS, version 17.01.2019

Datum: 06-05-2020
Uhrzeit: 16:49:55

ASCII-Daten-File: DISKRIFI.TXT
Anzahl der OTUs: 50
Anzahl der Merkmale: 3

Die Variablen sind:

Kriterium (Variable-1), FC
Prädiktoren HL (Variable-2) und AL (Variable-3)

Die abhaengige Variable (usrpuengl. Nummer): 1

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Die Rohdaten (OTUs zeilenweise und Variablen spaltenweise):

| | | |
|---|---|---|
| -0.500000 | 1.500000 | 2.500000 |
| -0.500000 | 2.000000 | 3.000000 |
| -0.500000 | 2.200000 | 3.700000 |
| -0.500000 | 3.000000 | 3.500000 |
| -0.500000 | 2.700000 | 4.200000 |
| -0.500000 | 3.000000 | 4.500000 |
| -0.500000 | 3.000000 | 5.000000 |
| -0.500000 | 3.500000 | 5.500000 |
| -0.500000 | 3.000000 | 3.500000 |
| -0.500000 | 4.000000 | 6.000000 |
| -0.500000 | 4.500000 | 6.500000 |
| -0.500000 | 3.300000 | 5.000000 |
| -0.500000 | 2.500000 | 3.300000 |
| -0.500000 | 1.300000 | 2.100000 |
| -0.500000 | 1.800000 | 3.400000 |
| -0.500000 | 4.700000 | 6.200000 |
| -0.500000 | 4.000000 | 5.000000 |
| -0.500000 | 3.500000 | 4.700000 |
| -0.500000 | 2.500000 | 3.700000 |
| -0.500000 | 2.300000 | 2.600000 |
| -0.500000 | 4.700000 | 7.000000 |
| -0.500000 | 0.800000 | 1.700000 |
| -0.500000 | 1.000000 | 1.500000 |
| -0.500000 | 4.600000 | 5.400000 |
| -0.500000 | 3.750000 | 5.250000 |
| 0.500000 | 3.500000 | 1.000000 |
| 0.500000 | 3.000000 | 0.500000 |
| 0.500000 | 3.500000 | 1.500000 |
| 0.500000 | 4.000000 | 1.500000 |
| 0.500000 | 4.000000 | 2.000000 |
| 0.500000 | 4.500000 | 2.500000 |
| 0.500000 | 4.800000 | 2.600000 |
| 0.500000 | 5.000000 | 3.000000 |
| 0.500000 | 5.500000 | 3.000000 |
| 0.500000 | 5.500000 | 3.500000 |
| 0.500000 | 6.000000 | 4.000000 |
| 0.500000 | 6.500000 | 4.500000 |
| 0.500000 | 6.000000 | 4.400000 |

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     0.500000     5.700000     3.800000
     0.500000     4.500000     2.200000
     0.500000     6.600000     5.000000
     0.500000     6.800000     5.400000
     0.500000     5.000000     3.500000
     0.500000     4.750000     3.000000
     0.500000     4.250000     1.750000
     0.500000     5.250000     2.700000
     0.500000     3.500000     0.700000
     0.500000     4.300000     2.300000
     0.500000     5.700000     4.200000
     0.500000     6.200000     3.500000

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Die invertierte Matrix in single-precision:
 .204952 -2.820603E-02 -.020797
-2.820603E-02  .0101062 -3.312629E-03
-.020797 -3.312629E-03  9.581982E-03

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fitted values:

    -0.516395
    -0.480689
    -0.587141
    -0.288543
    -0.551435
    -0.530012
    -0.650746
    -0.615041
    -0.288543
    -0.579335
    -0.543629
    -0.556882
    -0.396690
    -0.482383
    -0.639853
    -0.408613
    -0.337866
    -0.421866
    -0.493277
    -0.290238
    -0.601788
    -0.542236
    -0.431366
    -0.246726
    -0.476453
     0.471569
     0.435863
     0.350834
     0.507274
     0.386540
     0.422246
     0.491963
     0.457951
     0.614392
     0.493657
     0.529363
     0.565069
     0.432775
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     0.483793
     0.494686
     0.475622
     0.441611
     0.337217
     0.379731
     0.525127
     0.608612
     0.544009
     0.407963
     0.387205
     0.712673

residual values:

     0.016395
    -0.019311
     0.087141
    -0.211457
     0.051435
     0.030012
     0.150746
     0.115041
    -0.211457
     0.079335
     0.043629
     0.056882
    -0.103310
    -0.017617
     0.139853
    -0.091387
    -0.162134
    -0.078134
    -0.006723
    -0.209762
     0.101788
     0.042236
    -0.068634
    -0.253274
    -0.023547
     0.028431
     0.064137
     0.149166
    -0.007274
     0.113460
     0.077754
     0.008037
     0.042049
    -0.114392
     0.006343
    -0.029363
    -0.065069
     0.067225
     0.016207
     0.005314
     0.024378
     0.058389
     0.162783
     0.120269
    -0.025127
    -0.108612
    -0.044009
     0.092037
     0.112795
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    -0.212673

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Standardschaetzfehler:  .1074119 mit  47 Freiheitsgraden

partieller Regressionskoeffizient, SE, t-value, two-sided probability:

const :    -0.382043     0.048627    -7.856591    < 0.001
b  2  :     0.312880     0.010798    28.975555    < 0.001
b  3  :    -0.241469     0.010514   -22.965761    < 0.001

Multiples Bestimmheitsmass: .9566197

********************ENDE***************
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