ThetaWin

Graphical user interface for SCHRAUSSER Theta (Schrausser, 2009) applications generating distributions and estimators for several parameters q within different designs via bootstrap method:

Theta

```
Usage: Theta [sd] [min] [max] [qq] [q] [v] [s] [[x]] [[g]]
 [sd]  ..........  Seed: |0| Zeitwert
 [min] ..........  R Minimalwert
 [max] ..........  R Maximalwert
 [qq]  ..........  Theta-Theta/
 [q]   ..........  Theta:
                   |0| Harmonisches Mittel (HM)
                   |1| Arithmetisches Mittel (AM)
                   |2| Summe (SUM)
                   |3| Standardabweichung (SD)
                   |4| Populationsvarianzschaetzung (VAR)
                   |5| Produktsumme(PSM)
                   |6| Geometrisches Mittel(GM)
                   |7| Schrausser's d (D)
                   |8| DvarO (DV)
 [v]  ..........  n zu Theta (v)
 [s]  ..........  n Subpopulationen (s)
 [x]  ..........  Vergleichswert x
 [g]  ..........  |1| Wertebereich ganzzahlig
```

Theta Q

```
Usage: Theta_Q [sd][min][max][qq][qp][qs1][qs2][qQ][v][m][n][s] [[x]] [[g]]
 [sd]  ........................... Seed: |0| Zeitwert
 [min] ........................... R Minimalwert
 [max] ........................... R Maximalwert
 [qq]  ........................... Theta-Theta/
 [qp]  ........................... Theta P/
 [qs1] [qs2] ..................... Theta S1, S2:
                                   |0| Harmonisches Mittel (HM)
                                   |1| Arithmetisches Mittel (AM)
                                   |2| Summe (SUM)
                                   |3| Standardabweichung (SD)
                                   |4| Populationsvarianzschaetzung (VAR)
                                   |5| Produktsumme(PSM)
                                   |6| Geometrisches Mittel(GM)
                                   |7| Schrausser's d (D)
                                   |8| DvarO (DV)
 [qQ]  ........................... Theta Q:
                                   |1| Differenz
                                   |2| Quotient
```

```
                                |3| Summe
                                |4| Produkt
 [v]  ........................  n zu Theta P (v)
 [m]  ........................  n zu Theta S1 (m)
 [n]  ........................  n zu Theta S2 (n)
 [s]  ........................  n Subpopulationen (s)
 [x]  ........................  Vergleichswert x
 [g]  ........................  |1| Wertebereich ganzzahlig
```

Theta Qv

```
Usage: Theta_Qv [sd][min][max][qq][qp][qs1][qs2][qQ][QQ][v][n][s] [[x]] [[g]]
 [sd]  ........................ Seed: |0| Zeitwert
 [min] ........................ R Minimalwert
 [max] ........................ R Maximalwert
 [qq]  ........................ Theta-Theta/
 [qp]  ........................ Theta P/
 [qs1][qs2]................... Theta S1, S2/
 [qQ]  ........................ Theta Q:
                                |0| Harmonisches Mittel (HM)
                                |1| Arithmetisches Mittel (AM)
                                |2| Summe (SUM)
                                |3| Standardabweichung (SD)
                                |4| Populationsvarianzschaetzung (VAR)
                                |5| Produktsumme(PSM)
                                |6| Geometrisches Mittel(GM)
                                |7| Schrausser's d (D)
                                |8| DvarO (DV)
 [QQ]  ........................ Theta Theta Q:
                                |1| Differenz
                                |2| Quotient
                                |3| Summe
                                |4| Produkt
                                |5| Korrelation
                                |6| Kovarianz
                                |7| Determinationskoeffizient
                                |8| Redundanz
 [v]  .........................  n zu Theta P (v)
 [n]  .........................  n zu Theta S1,S2 (n)
 [s]  .........................  n Subpopulationen (s)
 [x]  .........................  Vergleichswert x
 [g]  .........................  |1| Wertebereich ganzzahlig
```

Theta rQ

```
Usage: Theta_rQ [sd][min][max][qq][qp][q11][q12][q21][q22][qr1][qr2][qQ][v][m][n][s]
[[x]] [[g]]
 [sd]  ..................... Seed: |0| Zeitwert
 [min] ..................... R Minimalwert
 [max] ..................... R Maximalwert
 [qq]  ..................... Theta-Theta/
 [qp]  ..................... Theta P/
```

```
 [q11][q12] .................. Theta S11, S12/
 [q21][q22] .................. Theta S21, S22:
                               |0| Harmonisches Mittel (HM)
                               |1| Arithmetisches Mittel (AM)
                               |2| Summe (SUM)
                               |3| Standardabweichung (SD)
                               |4| Populationsvarianzschaetzung (VAR)
                               |5| Produktsumme(PSM)
                               |6| Geometrisches Mittel(GM)
                               |7| Schrausser's d (D)
                               |8| DvarO (DV)
 [qr1][qr2] ..................Theta Regressionen 1,2/
                               |1| Korrelation (kor)
                               |2| Kovarianz (cov)
                               |3| Determinatinskoeffizient (det)
                               |4| Redundanz (red)
 [qQ]  ....................... Theta Q:
                               |1| Differenz (Diff)
                               |2| Quotient (Quot)
                               |3| Summe (Summ)
                               |4| Produkt (Prod)
 [v]  .......................  n zu Theta P (v)
 [m]  .......................  n zu Theta S11,S12 (m)
 [n]  .......................  n zu Theta S21,S22 (n)
 [s]  .......................  n Subpopulationen (s)
 [x]  .......................  Vergleichswert x
 [g]  .......................  |1| Wertebereich ganzzahlig
```

Theta S

```
Usage: Theta_S [sd] [min] [max] [qq] [qp] [qs] [v] [m] [s] [[x]] [[g]]
 [sd]  ..................... Seed: |0| Zeitwert
 [min] ..................... R Minimalwert
 [max] ..................... R Maximalwert
 [qq]  ..................... Theta-Theta:
 [qp]  ..................... Theta P/
 [qs]  ..................... Theta S/
                             |0| Harmonisches Mittel (HM)
                             |1| Arithmetisches Mittel (AM)
                             |2| Summe (SUM)
                             |3| Standardabweichung (SD)
                             |4| Populationsvarianzschaetzung (VAR)
                             |5| Produktsumme(PSM)
                             |6| Geometrisches Mittel(GM)
                             |7| Schrausser's d (D)
                             |8| DvarO (DV)
  [v]  .....................  n zu Theta P (v)
  [m]  .....................  n zu Theta S (m)
  [s]  .....................  n Subpopulationen (s)
  [x]  .....................  Vergleichswert x
  [g]  .....................  |1| Wertebereich ganzzahlig
```

References