|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | a | b | d | e | f | g | h | i | j | k |  |
| anz | Name | W'keit(pi) | anz Ereig (ni) | Summe Ereig n | npi | max npi | ni-npi | (ni-npi)^2/npi |  |  |  |
| 1 |  |  |  |  |  |  |  |  | D |  |  |
| 2 |  |  |  |  |  |  |  |  | dkrit |  | aus tabelle |
| 3 |  |  |  |  |  |  |  |  | k |  | freiheitsgrade |
| 4 |  |  |  |  |  |  |  |  | a |  | p= |
| 5 |  |  |  |  |  |  |  |  |  |  |  |
| 6 |  |  |  |  |  |  |  |  |  |  |  |
| 7 |  |  |  |  |  |  |  |  |  |  |  |
| 8 |  |  |  |  |  |  |  |  |  |  |  |

**X^2 Test**

NullHypothese:

Schlussfolgerung:

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **a** | b | b | d | e | e | g | g | i |  |  |
| Anz | Werte x | μ | σ^2 | Werte y | μ | σ^2 | n | m |  |  |  |
| 1 |  |  |  |  |  |  |  |  | T= |  | <- kleiner, hypo true |
| 2 |  |  |  |  |  |  |  |  | tkrit |  |  |
| 3 |  |  |  |  |  |  |  | n + m – 2 = | k |  | freiheitsgrade |
| 4 |  |  |  |  |  |  |  |  | a |  | P= |
| 5 |  |  |  |  |  |  |  |  |  |  |  |
| 6 |  |  |  |  |  |  |  |  |  |  |  |
| 7 |  |  |  |  |  |  |  |  |  |  |  |
| 8 |  |  |  |  |  |  |  |  |  |  |  |
|  | anz x = n |  |  | anz y = m |  |  |  |  |  |  |  |

**T-Test**

NullHypothese:

Schlussfolgerung:

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| y=ax+b |  |  |  |  |  |  |  |  |  |  |  |

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| a | b | C | D | E | F | G | H | I | J | K | l |
| x | E(x) | y | E(y) | x^2 | E(x^2) | y^2 | E(y^2) | x\*y | E( x\*y) |  |  |
|  |  |  |  |  |  |  |  |  |  | a |  |
|  |  |  |  |  |  |  |  |  |  | b |  |
|  |  |  |  |  |  |  |  |  |  | r |  |
|  |  |  |  |  |  |  |  |  |  | var(a) |  |
|  |  |  |  |  |  |  |  |  |  | var(b) |  |
|  |  |  |  |  |  |  |  |  |  | cov |  |

**Lineare Reg**

n=

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| a | **b** | c | d | e | f | g |
| i | xi (sortiert) | i/n -Fx(xi) (1) | Fx(xi)- ((i-1)/n) (2) |  |  |  |
| 1 |  |  |  | max1 |  |  |
| 2 |  |  |  | max2 |  |  |
| 3 |  |  |  | k^+ |  |  |
| 4 |  |  |  | k^- |  |  |
| 5 |  |  |  | kkrit |  |  |
| 6 |  |  |  | α |  | p= |
| 7 |  |  |  |  |  |  |
| 8 |  |  |  |  |  |  |
| 9 |  |  |  |  |  |  |

**Kolmogorov-Smirnov-TEST**

**Xi aufsteigend Sortieren**

**Nullhypothese: Messwerte haben Verteilungsfunktion Fx**

**Schlussfolgerung:**