|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |  |  |  | reziduum | reziduum^2 |  |
| sorrend |  | x | y |  | xi-xátlag | (xi-xátlag)^2 | yi(xi-xátlag) |  | y\_becsült | (y-y\_becsült) | (y-y\_becsült)^2 |  |
| 9 |  | 0,102 | 4,141 |  | -0,405 | 0,164 | -1,676 |  | 3,849 | 0,292 | 0,085 |  |
| 1 |  | 0,200 | 6,715 |  | -0,307 | 0,094 | -2,060 |  | 6,519 | 0,196 | 0,038 |  |
| 5 |  | 0,311 | 9,202 |  | -0,196 | 0,038 | -1,802 |  | 9,544 | -0,342 | 0,117 |  |
| 2 |  | 0,398 | 11,526 |  | -0,109 | 0,012 | -1,254 |  | 11,915 | -0,389 | 0,152 |  |
| 7 |  | 0,508 | 14,775 |  | 0,001 | 0,000 | 0,018 |  | 14,913 | -0,138 | 0,019 |  |
| 4 |  | 0,603 | 17,642 |  | 0,096 | 0,009 | 1,698 |  | 17,502 | 0,140 | 0,020 |  |
| 8 |  | 0,715 | 20,554 |  | 0,208 | 0,043 | 4,280 |  | 20,554 | 0,000 | 0,000 |  |
| 3 |  | 0,804 | 23,363 |  | 0,297 | 0,088 | 6,944 |  | 22,980 | 0,383 | 0,147 |  |
| 6 |  | 0,920 | 26,000 |  | 0,413 | 0,171 | 10,744 |  | 26,141 | -0,141 | 0,020 |  |
|  | szumma | 4,561 | 133,918 |  |  | 0,620 | 16,892 |  |  |  | SSerror = 0,598 |  |
|  | átlag | 0,507 | 14,880 |  |  |  |  |  |  |  | MSerro = 0,085 |  |

MSerror = SSerror / (n-2)



|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Effect | Parameter Estimates  Sigma-restricted parameterization | | | | | |
| |  | | --- | | y Param. | | |  | | --- | | y Std.Err | | |  | | --- | | y t | | |  | | --- | | y p | | |  | | --- | | -95,00% Cnf.Lmt | | |  | | --- | | +95,00% Cnf.Lmt | |
| |  | | --- | | Intercept | | 1,06901 | 0,211862 | 5,04577 | 0,001487 | 0,56803 | 1,56998 |
| |  | | --- | | x | | 27,25213 | 0,371234 | 73,40950 | 0,000000 | 26,37430 | 28,12996 |

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Dependent Variable | Test of SS Whole Model vs. SS Residual | | | | | | | | | | |  |
| |  | | --- | | Multiple R | | |  | | --- | | Multiple R2 | | |  | | --- | | Adjusted R2 | | |  | | --- | | SS Model | | |  | | --- | | df Model | | |  | | --- | | MS Model | | |  | | --- | | SS Residual | | |  | | --- | | df Residual | | |  | | --- | | MS Residual | | |  | | --- | | F | | |  | | --- | | p | |  |
| |  | | --- | | y | | 0,999351 | 0,998703 | 0,998517 | 460,3340 | 1 | 460,3340 | 0,597952 | 7 | 0,085422 | 5388,955 | 0,000000 |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Effect | Univariate Tests of Significance for y  Sigma-restricted parameterization  Effective hypothesis decomposition; Std. Error of Estimate: ,2922700 | | | | |
| |  | | --- | | SS | | |  | | --- | | Degr. of Freedom | | |  | | --- | | MS | | |  | | --- | | F | | |  | | --- | | p | |
| |  | | --- | | Intercept | | 2,1748 | 1 | 2,1748 | 25,460 | 0,001487 |
| |  | | --- | | x | | 460,3340 | 1 | 460,3340 | 5388,955 | 0,000000 |
| |  | | --- | | Error | | 0,5980 | 7 | 0,0854 |  |  |

**Reziduum ábrák**

1. Normalitásvizsgálat



2. Varianciák állandósága



3. Mérési hibák függetlensége

