**Hasil Pengolahan Data**



**Tabel Lanjutan**





**Tabel Lanjutan**





**Data Hasil Trasformasi ke Interval Variabel X**



Tabel Lanjutan

**Data Hasil Trasformasi ke Interval Variabel Y**



**Tabel Lanjutan**



**Hasil Pengolahan dengan SPSS**

1. Uji Normalitas Data

| **Descriptive Statistics** |
| --- |
|  | N | Mean | Std. Deviation | Minimum | Maximum |
| Var X | 117 | 35,8120 | 6,63056 | 16,00 | 48,00 |
| Var Y | 117 | 57,5128 | 6,03241 | 42,00 | 69,00 |

| **One-Sample Kolmogorov-Smirnov Test** |
| --- |
|  | Var X | Var Y |
| N | 117 | 117 |
| Normal Parametersa,b | Mean | 35,8120 | 57,5128 |
| Std. Deviation | 6,63056 | 6,03241 |
| Most Extreme Differences | Absolute | ,109 | ,113 |
| Positive | ,055 | ,066 |
| Negative | -,109 | -,113 |
| Kolmogorov-Smirnov Z | 1,183 | 1,222 |
| Asymp. Sig. (2-tailed) | ,122 | ,101 |
| a. Test distribution is Normal. |
| b. Calculated from data. |

1. Uji Korelasi Product Moment

| **Descriptive Statistics** |
| --- |
|  | Mean | Std. Deviation | N |
| Var X | 38,7820 | 7,64391 | 117 |
| Var Y | 61,0051 | 6,82137 | 117 |

| **Correlations** |
| --- |
|  | Var X | Var Y |
| Var X | Pearson Correlation | 1 | ,485\*\* |
| Sig. (2-tailed) |  | ,000 |
| N | 117 | 117 |
| Var Y | Pearson Correlation | ,485\*\* | 1 |
| Sig. (2-tailed) | ,000 |  |
| N | 117 | 117 |
| \*\*. Correlation is significant at the 0.01 level (2-tailed). |

1. Uji Linear Regresi

| **Variables Entered/Removedb** |
| --- |
| Model | Variables Entered | Variables Removed | Method |
| dimension0 | 1 | Var Xa | . | Enter |
| a. All requested variables entered. |
| b. Dependent Variable: Var Y |

| **Model Summary** |
| --- |
| Model | R | R Square | AdjustedR Square | Std. Error ofthe Estimate | Change Statistics |
| R SquareChange | F Change | df1 | df2 | Sig. F Change |
| dimension0 | 1 | ,485a | ,235 | ,228 | 5,99259 | ,235 | 35,305 | 1 | 115 | ,000 |
| a. Predictors: (Constant), Var X |

| **ANOVAb** |
| --- |
| Model | Sum of Squares | df | Mean Square | F | Sig. |
| 1 | Regression | 1267,826 | 1 | 1267,826 | 35,305 | ,000a |
| Residual | 4129,776 | 115 | 35,911 |  |  |
| Total | 5397,602 | 116 |  |  |  |
| a. Predictors: (Constant), Var X |
| b. Dependent Variable: Var Y |

| **Coefficientsa** |
| --- |
| Model | UnstandardizedCoefficients | StandardizedCoefficients | t | Sig. |
| B | Std. Error | Beta |
| 1 | (Constant) | 44,232 | 2,877 |  | 15,375 | ,000 |
| Var X | ,432 | ,073 | ,485 | 5,942 | ,000 |
| a. Dependent Variable: Var Y |

**Tabel-tabel Rujukan**

|  |
| --- |
| **NILAI-NILAI r PRODUCT MOMENT** |
|  |  |  |  |  |  |  |  |  |
| **N** | **Taraf Signif** | **N** | **Taraf Signif** | **N** | **Taraf Signif** |
| **5%** | **1%** | **5%** | **1%** | **5%** | **1%** |
| 3 | 0.997 | 0.999 | 27 | 0.381 | 0.487 | 55 | 0.266 | 0.345 |
| 4 | 0.950 | 0.990 | 28 | 0.374 | 0.478 | 60 | 0.254 | 0.330 |
| 5 | 0.878 | 0.959 | 29 | 0.367 | 0.470 | 65 | 0.244 | 0.317 |
|   |   |   |   |   |   |   |   |   |
|   |   |   |   |   |   |   |   |   |
| 6 | 0.811 | 0.917 | 30 | 0.361 | 0.463 | 70 | 0.235 | 0.306 |
| 7 | 0.754 | 0.874 | 31 | 0.355 | 0.456 | 75 | 0.227 | 0.296 |
| 8 | 0.707 | 0.834 | 32 | 0.349 | 0.449 | 80 | 0.220 | 0.286 |
| 9 | 0.666 | 0.798 | 33 | 0.344 | 0.442 | 85 | 0.213 | 0.278 |
| 10 | 0.632 | 0.765 | 34 | 0.339 | 0.436 | 90 | 0.207 | 0.270 |
|   |   |   |   |   |   |   |   |   |
|   |   |   |   |   |   |   |   |   |
| 11 | 0.602 | 0.735 | 35 | 0.334 | 0.430 | 95 | 0.202 | 0.263 |
| 12 | 0.576 | 0.708 | 36 | 0.329 | 0.424 | 100 | 0.195 | 0.256 |
| 13 | 0.553 | 0.684 | 37 | 0.325 | 0.418 | 125 | 0.176 | 0.230 |
| 14 | 0.532 | 0.661 | 38 | 0.320 | 0.413 | 150 | 0.159 | 0.210 |
| 15 | 0.514 | 0.641 | 39 | 0.316 | 0.408 | 175 | 0.148 | 0.194 |
|   |   |   |   |   |   |   |   |   |
|   |   |   |   |   |   |   |   |   |
| 16 | 0.497 | 0.623 | 40 | 0.312 | 0.403 | 200 | 0.138 | 0.181 |
| 17 | 0.482 | 0.606 | 41 | 0.308 | 0.398 | 300 | 0.113 | 0.148 |
| 18 | 0.468 | 0.590 | 42 | 0.304 | 0.393 | 400 | 0.098 | 0.128 |
| 19 | 0.456 | 0.575 | 43 | 0.301 | 0.389 | 500 | 0.088 | 0.115 |
| 20 | 0.444 | 0.561 | 44 | 0.297 | 0.384 | 600 | 0.080 | 0.105 |
|   |   |   |   |   |   |   |   |   |
|   |   |   |   |   |   |   |   |   |
| 21 | 0.433 | 0.549 | 45 | 0.294 | 0.380 | 700 | 0.074 | 0.097 |
| 22 | 0.423 | 0.537 | 46 | 0.291 | 0.376 | 800 | 0.070 | 0.091 |
| 23 | 0.413 | 0.526 | 47 | 0.288 | 0.372 | 900 | 0.065 | 0.086 |
| 24 | 0.404 | 0.515 | 48 | 0.284 | 0.368 | 1000 | 0.062 | 0.081 |
| 25 | 0.396 | 0.505 | 49 | 0.281 | 0.364 |   |   |   |
| 26 | 0.388 | 0.496 | 50 | 0.279 | 0.361 |   |   |   |

**Tabel t Distribution Students**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ***One Sided*** | **75%** | **80%** | **85%** | **90%** | **95%** | **97.5%** | **99%** | **99.5%** | **99.75%** | **99.9%** | **99.95%** |
| ***Two Sided*** | **50%** | **60%** | **70%** | **80%** | **90%** | **95%** | **98%** | **99%** | **99.5%** | **99.8%** | **99.9%** |
| **1** | 1.000 | 1.376 | 1.963 | 3.078 | 6.314 | 12.71 | 31.82 | 63.66 | 127.3 | 318.3 | 636.6 |
| **2** | 0.816 | 1.061 | 1.386 | 1.886 | 2.920 | 4.303 | 6.965 | 9.925 | 14.09 | 22.33 | 31.60 |
| **3** | 0.765 | 0.978 | 1.250 | 1.638 | 2.353 | 3.182 | 4.541 | 5.841 | 7.453 | 10.21 | 12.92 |
| **4** | 0.741 | 0.941 | 1.190 | 1.533 | 2.132 | 2.776 | 3.747 | 4.604 | 5.598 | 7.173 | 8.610 |
| **5** | 0.727 | 0.920 | 1.156 | 1.476 | 2.015 | 2.571 | 3.365 | 4.032 | 4.773 | 5.893 | 6.869 |
| **6** | 0.718 | 0.906 | 1.134 | 1.440 | 1.943 | 2.447 | 3.143 | 3.707 | 4.317 | 5.208 | 5.959 |
| **7** | 0.711 | 0.896 | 1.119 | 1.415 | 1.895 | 2.365 | 2.998 | 3.499 | 4.029 | 4.785 | 5.408 |
| **8** | 0.706 | 0.889 | 1.108 | 1.397 | 1.860 | 2.306 | 2.896 | 3.355 | 3.833 | 4.501 | 5.041 |
| **9** | 0.703 | 0.883 | 1.100 | 1.383 | 1.833 | 2.262 | 2.821 | 3.250 | 3.690 | 4.297 | 4.781 |
| **10** | 0.700 | 0.879 | 1.093 | 1.372 | 1.812 | 2.228 | 2.764 | 3.169 | 3.581 | 4.144 | 4.587 |
| **11** | 0.697 | 0.876 | 1.088 | 1.363 | 1.796 | 2.201 | 2.718 | 3.106 | 3.497 | 4.025 | 4.437 |
| **12** | 0.695 | 0.873 | 1.083 | 1.356 | 1.782 | 2.179 | 2.681 | 3.055 | 3.428 | 3.930 | 4.318 |
| **13** | 0.694 | 0.870 | 1.079 | 1.350 | 1.771 | 2.160 | 2.650 | 3.012 | 3.372 | 3.852 | 4.221 |
| **14** | 0.692 | 0.868 | 1.076 | 1.345 | 1.761 | 2.145 | 2.624 | 2.977 | 3.326 | 3.787 | 4.140 |
| **15** | 0.691 | 0.866 | 1.074 | 1.341 | 1.753 | 2.131 | 2.602 | 2.947 | 3.286 | 3.733 | 4.073 |
| **16** | 0.690 | 0.865 | 1.071 | 1.337 | 1.746 | 2.120 | 2.583 | 2.921 | 3.252 | 3.686 | 4.015 |
| **17** | 0.689 | 0.863 | 1.069 | 1.333 | 1.740 | 2.110 | 2.567 | 2.898 | 3.222 | 3.646 | 3.965 |
| **18** | 0.688 | 0.862 | 1.067 | 1.330 | 1.734 | 2.101 | 2.552 | 2.878 | 3.197 | 3.610 | 3.922 |
| **19** | 0.688 | 0.861 | 1.066 | 1.328 | 1.729 | 2.093 | 2.539 | 2.861 | 3.174 | 3.579 | 3.883 |
| **20** | 0.687 | 0.860 | 1.064 | 1.325 | 1.725 | 2.086 | 2.528 | 2.845 | 3.153 | 3.552 | 3.850 |
| **21** | 0.686 | 0.859 | 1.063 | 1.323 | 1.721 | 2.080 | 2.518 | 2.831 | 3.135 | 3.527 | 3.819 |
| **22** | 0.686 | 0.858 | 1.061 | 1.321 | 1.717 | 2.074 | 2.508 | 2.819 | 3.119 | 3.505 | 3.792 |
| **23** | 0.685 | 0.858 | 1.060 | 1.319 | 1.714 | 2.069 | 2.500 | 2.807 | 3.104 | 3.485 | 3.767 |
| **24** | 0.685 | 0.857 | 1.059 | 1.318 | 1.711 | 2.064 | 2.492 | 2.797 | 3.091 | 3.467 | 3.745 |
| **25** | 0.684 | 0.856 | 1.058 | 1.316 | 1.708 | 2.060 | 2.485 | 2.787 | 3.078 | 3.450 | 3.725 |
| **26** | 0.684 | 0.856 | 1.058 | 1.315 | 1.706 | 2.056 | 2.479 | 2.779 | 3.067 | 3.435 | 3.707 |
| **27** | 0.684 | 0.855 | 1.057 | 1.314 | 1.703 | 2.052 | 2.473 | 2.771 | 3.057 | 3.421 | 3.690 |
| **28** | 0.683 | 0.855 | 1.056 | 1.313 | 1.701 | 2.048 | 2.467 | 2.763 | 3.047 | 3.408 | 3.674 |
| **29** | 0.683 | 0.854 | 1.055 | 1.311 | 1.699 | 2.045 | 2.462 | 2.756 | 3.038 | 3.396 | 3.659 |
| **30** | 0.683 | 0.854 | 1.055 | 1.310 | 1.697 | 2.042 | 2.457 | 2.750 | 3.030 | 3.385 | 3.646 |
| **40** | 0.681 | 0.851 | 1.050 | 1.303 | 1.684 | 2.021 | 2.423 | 2.704 | 2.971 | 3.307 | 3.551 |
| **50** | 0.679 | 0.849 | 1.047 | 1.299 | 1.676 | 2.009 | 2.403 | 2.678 | 2.937 | 3.261 | 3.496 |
| **60** | 0.679 | 0.848 | 1.045 | 1.296 | 1.671 | 2.000 | 2.390 | 2.660 | 2.915 | 3.232 | 3.460 |
| **80** | 0.678 | 0.846 | 1.043 | 1.292 | 1.664 | 1.990 | 2.374 | 2.639 | 2.887 | 3.195 | 3.416 |
| **100** | 0.677 | 0.845 | 1.042 | 1.290 | 1.660 | 1.984 | 2.364 | 2.626 | 2.871 | 3.174 | 3.390 |
| **120** | 0.677 | 0.845 | 1.041 | 1.289 | 1.658 | 1.980 | 2.358 | 2.617 | 2.860 | 3.160 | 3.373 |
| **\infty** | 0.674 | 0.842 | 1.036 | 1.282 | 1.645 | 1.960 | 2.326 | 2.576 | 2.807 | 3.090 | 3.291 |

**Tabel F**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| df2\df1  | 1  | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10  | 11  | 12  | 13  | 14  | 15  | 16  | 17  | 18  |
| 3 | 10.13  | 9.55  | 9.28  | 9.12  | 9.01  | 8.94  | 8.89  | 8.85  | 8.81  | 8.79  | 8.76  | 8.74  | 8.73  | 8.71  | 8.70  | 8.69  | 8.68  | 8.67  |
| 4 | 7.71  | 6.94  | 6.59  | 6.39  | 6.26  | 6.16  | 6.09  | 6.04  | 6.00  | 5.96  | 5.94  | 5.91  | 5.89  | 5.87  | 5.86  | 5.84  | 5.83  | 5.82  |
| 5 | 6.61  | 5.79  | 5.41  | 5.19  | 5.05  | 4.95  | 4.88  | 4.82  | 4.77  | 4.74  | 4.70  | 4.68  | 4.66  | 4.64  | 4.62  | 4.60  | 4.59  | 4.58  |
| 6 | 5.99  | 5.14  | 4.76  | 4.53  | 4.39  | 4.28  | 4.21  | 4.15  | 4.10  | 4.06  | 4.03  | 4.00  | 3.98  | 3.96  | 3.94  | 3.92  | 3.91  | 3.90  |
| 7 | 5.59  | 4.74  | 4.35  | 4.12  | 3.97  | 3.87  | 3.79  | 3.73  | 3.68  | 3.64  | 3.60  | 3.57  | 3.55  | 3.53  | 3.51  | 3.49  | 3.48  | 3.47  |
| 8 | 5.32  | 4.46  | 4.07  | 3.84  | 3.69  | 3.58  | 3.50  | 3.44  | 3.39  | 3.35  | 3.31  | 3.28  | 3.26  | 3.24  | 3.22  | 3.20  | 3.19  | 3.17  |
| 9 | 5.12  | 4.26  | 3.86  | 3.63  | 3.48  | 3.37  | 3.29  | 3.23  | 3.18  | 3.14  | 3.10  | 3.07  | 3.05  | 3.03  | 3.01  | 2.99  | 2.97  | 2.96  |
| 10 | 4.96  | 4.10  | 3.71  | 3.48  | 3.33  | 3.22  | 3.14  | 3.07  | 3.02  | 2.98  | 2.94  | 2.91  | 2.89  | 2.86  | 2.85  | 2.83  | 2.81  | 2.80  |
| 11 | 4.84  | 3.98  | 3.59  | 3.36  | 3.20  | 3.09  | 3.01  | 2.95  | 2.90  | 2.85  | 2.82  | 2.79  | 2.76  | 2.74  | 2.72  | 2.70  | 2.69  | 2.67  |
| 12 | 4.75  | 3.89  | 3.49  | 3.26  | 3.11  | 3.00  | 2.91  | 2.85  | 2.80  | 2.75  | 2.72  | 2.69  | 2.66  | 2.64  | 2.62  | 2.60  | 2.58  | 2.57  |
| 13 | 4.67  | 3.81  | 3.41  | 3.18  | 3.03  | 2.92  | 2.83  | 2.77  | 2.71  | 2.67  | 2.63  | 2.60  | 2.58  | 2.55  | 2.53  | 2.51  | 2.50  | 2.48  |
| 14 | 4.60  | 3.74  | 3.34  | 3.11  | 2.96  | 2.85  | 2.76  | 2.70  | 2.65  | 2.60  | 2.57  | 2.53  | 2.51  | 2.48  | 2.46  | 2.44  | 2.43  | 2.41  |
| 15 | 4.54  | 3.68  | 3.29  | 3.06  | 2.90  | 2.79  | 2.71  | 2.64  | 2.59  | 2.54  | 2.51  | 2.48  | 2.45  | 2.42  | 2.40  | 2.38  | 2.37  | 2.35  |
| 16 | 4.49  | 3.63  | 3.24  | 3.01  | 2.85  | 2.74  | 2.66  | 2.59  | 2.54  | 2.49  | 2.46  | 2.42  | 2.40  | 2.37  | 2.35  | 2.33  | 2.32  | 2.30  |
| 17 | 4.45  | 3.59  | 3.20  | 2.96  | 2.81  | 2.70  | 2.61  | 2.55  | 2.49  | 2.45  | 2.41  | 2.38  | 2.35  | 2.33  | 2.31  | 2.29  | 2.27  | 2.26  |
| 18 | 4.41  | 3.55  | 3.16  | 2.93  | 2.77  | 2.66  | 2.58  | 2.51  | 2.46  | 2.41  | 2.37  | 2.34  | 2.31  | 2.29  | 2.27  | 2.25  | 2.23  | 2.22  |
| 19 | 4.38  | 3.52  | 3.13  | 2.90  | 2.74  | 2.63  | 2.54  | 2.48  | 2.42  | 2.38  | 2.34  | 2.31  | 2.28  | 2.26  | 2.23  | 2.21  | 2.20  | 2.18  |
| 20 | 4.35  | 3.49  | 3.10  | 2.87  | 2.71  | 2.60  | 2.51  | 2.45  | 2.39  | 2.35  | 2.31  | 2.28  | 2.25  | 2.23  | 2.20  | 2.18  | 2.17  | 2.15  |
| 22 | 4.30  | 3.44  | 3.05  | 2.82  | 2.66  | 2.55  | 2.46  | 2.40  | 2.34  | 2.30  | 2.26  | 2.23  | 2.20  | 2.17  | 2.15  | 2.13  | 2.11  | 2.10  |
| 24 | 4.26  | 3.40  | 3.01  | 2.78  | 2.62  | 2.51  | 2.42  | 2.36  | 2.30  | 2.25  | 2.22  | 2.18  | 2.15  | 2.13  | 2.11  | 2.09  | 2.07  | 2.05  |
| 26 | 4.23  | 3.37  | 2.98  | 2.74  | 2.59  | 2.47  | 2.39  | 2.32  | 2.27  | 2.22  | 2.18  | 2.15  | 2.12  | 2.09  | 2.07  | 2.05  | 2.03  | 2.02  |
| 28 | 4.20  | 3.34  | 2.95  | 2.71  | 2.56  | 2.45  | 2.36  | 2.29  | 2.24  | 2.19  | 2.15  | 2.12  | 2.09  | 2.06  | 2.04  | 2.02  | 2.00  | 1.99  |
| 30 | 4.17  | 3.32  | 2.92  | 2.69  | 2.53  | 2.42  | 2.33  | 2.27  | 2.21  | 2.16  | 2.13  | 2.09  | 2.06  | 2.04  | 2.01  | 1.99  | 1.98  | 1.96  |
| 35 | 4.12  | 3.27  | 2.87  | 2.64  | 2.49  | 2.37  | 2.29  | 2.22  | 2.16  | 2.11  | 2.08  | 2.04  | 2.01  | 1.99  | 1.96  | 1.94  | 1.92  | 1.91  |
| 40 | 4.08  | 3.23  | 2.84  | 2.61  | 2.45  | 2.34  | 2.25  | 2.18  | 2.12  | 2.08  | 2.04  | 2.00  | 1.97  | 1.95  | 1.92  | 1.90  | 1.89  | 1.87  |
| 45 | 4.06  | 3.20  | 2.81  | 2.58  | 2.42  | 2.31  | 2.22  | 2.15  | 2.10  | 2.05  | 2.01  | 1.97  | 1.94  | 1.92  | 1.89  | 1.87  | 1.86  | 1.84  |
| 50 | 4.03  | 3.18  | 2.79  | 2.56  | 2.40  | 2.29  | 2.20  | 2.13  | 2.07  | 2.03  | 1.99  | 1.95  | 1.92  | 1.89  | 1.87  | 1.85  | 1.83  | 1.81  |
| 60 | 4.00  | 3.15  | 2.76  | 2.53  | 2.37  | 2.25  | 2.17  | 2.10  | 2.04  | 1.99  | 1.95  | 1.92  | 1.89  | 1.86  | 1.84  | 1.82  | 1.80  | 1.78  |
| 70 | 3.98  | 3.13  | 2.74  | 2.50  | 2.35  | 2.23  | 2.14  | 2.07  | 2.02  | 1.97  | 1.93  | 1.89  | 1.86  | 1.84  | 1.81  | 1.79  | 1.77  | 1.75  |
| 80 | 3.96  | 3.11  | 2.72  | 2.49  | 2.33  | 2.21  | 2.13  | 2.06  | 2.00  | 1.95  | 1.91  | 1.88  | 1.84  | 1.82  | 1.79  | 1.77  | 1.75  | 1.73  |
| 100 | 3.94  | 3.09  | 2.70  | 2.46  | 2.31  | 2.19  | 2.10  | 2.03  | 1.97  | 1.93  | 1.89  | 1.85  | 1.82  | 1.79  | 1.77  | 1.75  | 1.73  | 1.71  |
| 200 | 3.89  | 3.04  | 2.65  | 2.42  | 2.26  | 2.14  | 2.06  | 1.98  | 1.93  | 1.88  | 1.84  | 1.80  | 1.77  | 1.74  | 1.72  | 1.69  | 1.67  | 1.66  |
| 500 | 3.86  | 3.01  | 2.62  | 2.39  | 2.23  | 2.12  | 2.03  | 1.96  | 1.90  | 1.85  | 1.81  | 1.77  | 1.74  | 1.71  | 1.69  | 1.66  | 1.64  | 1.62  |
| 1000 | 3.85  | 3.00  | 2.61  | 2.38  | 2.22  | 2.11  | 2.02  | 1.95  | 1.89  | 1.84  | 1.80  | 1.76  | 1.73  | 1.70  | 1.68  | 1.65  | 1.63  | 1.61  |
| >1000 | 1.04  | 3.00  | 2.61  | 2.37  | 2.21  | 2.10  | 2.01  | 1.94  | 1.88  | 1.83  | 1.79  | 1.75  | 1.72  | 1.69  | 1.67  | 1.64  | 1.62  | 1.61  |
| df2/df1  | 1  | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10  | 11  | 12  | 13  | 14  | 15  | 16  | 17  | 18  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 19  | 20  | 22  | 24  | 26  | 28  | 30  | 35  | 40  | 45  | 50  | 60  | 70  | 80  | 100  | 200  | 500  | 1000  | >1000 | df1/df2  |
| 8.67  | 8.66  | 8.65  | 8.64  | 8.63  | 8.62  | 8.62  | 8.60  | 8.59  | 8.59  | 8.58  | 8.57  | 8.57  | 8.56  | 8.55  | 8.54  | 8.53  | 8.53  | 8.54  | 3 |
| 5.81  | 5.80  | 5.79  | 5.77  | 5.76  | 5.75  | 5.75  | 5.73  | 5.72  | 5.71  | 5.70  | 5.69  | 5.68  | 5.67  | 5.66  | 5.65  | 5.64  | 5.63  | 5.63  | 4 |
| 4.57  | 4.56  | 4.54  | 4.53  | 4.52  | 4.50  | 4.50  | 4.48  | 4.46  | 4.45  | 4.44  | 4.43  | 4.42  | 4.42  | 4.41  | 4.39  | 4.37  | 4.37  | 4.36  | 5 |
| 3.88  | 3.87  | 3.86  | 3.84  | 3.83  | 3.82  | 3.81  | 3.79  | 3.77  | 3.76  | 3.75  | 3.74  | 3.73  | 3.72  | 3.71  | 3.69  | 3.68  | 3.67  | 3.67  | 6 |
| 3.46  | 3.44  | 3.43  | 3.41  | 3.40  | 3.39  | 3.38  | 3.36  | 3.34  | 3.33  | 3.32  | 3.30  | 3.29  | 3.29  | 3.27  | 3.25  | 3.24  | 3.23  | 3.23  | 7 |
| 3.16  | 3.15  | 3.13  | 3.12  | 3.10  | 3.09  | 3.08  | 3.06  | 3.04  | 3.03  | 3.02  | 3.01  | 2.99  | 2.99  | 2.97  | 2.95  | 2.94  | 2.93  | 2.93  | 8 |
| 2.95  | 2.94  | 2.92  | 2.90  | 2.89  | 2.87  | 2.86  | 2.84  | 2.83  | 2.81  | 2.80  | 2.79  | 2.78  | 2.77  | 2.76  | 2.73  | 2.72  | 2.71  | 2.71  | 9 |
| 2.79  | 2.77  | 2.75  | 2.74  | 2.72  | 2.71  | 2.70  | 2.68  | 2.66  | 2.65  | 2.64  | 2.62  | 2.61  | 2.60  | 2.59  | 2.56  | 2.55  | 2.54  | 2.54  | 10 |
| 2.66  | 2.65  | 2.63  | 2.61  | 2.59  | 2.58  | 2.57  | 2.55  | 2.53  | 2.52  | 2.51  | 2.49  | 2.48  | 2.47  | 2.46  | 2.43  | 2.42  | 2.41  | 2.41  | 11 |
| 2.56  | 2.54  | 2.52  | 2.51  | 2.49  | 2.48  | 2.47  | 2.44  | 2.43  | 2.41  | 2.40  | 2.38  | 2.37  | 2.36  | 2.35  | 2.32  | 2.31  | 2.30  | 2.30  | 12 |
| 2.47  | 2.46  | 2.44  | 2.42  | 2.41  | 2.39  | 2.38  | 2.36  | 2.34  | 2.33  | 2.31  | 2.30  | 2.28  | 2.27  | 2.26  | 2.23  | 2.22  | 2.21  | 2.21  | 13 |
| 2.40  | 2.39  | 2.37  | 2.35  | 2.33  | 2.32  | 2.31  | 2.28  | 2.27  | 2.25  | 2.24  | 2.22  | 2.21  | 2.20  | 2.19  | 2.16  | 2.14  | 2.14  | 2.13  | 14 |
| 2.34  | 2.33  | 2.31  | 2.29  | 2.27  | 2.26  | 2.25  | 2.22  | 2.20  | 2.19  | 2.18  | 2.16  | 2.15  | 2.14  | 2.12  | 2.10  | 2.08  | 2.07  | 2.07  | 15 |
| 2.29  | 2.28  | 2.25  | 2.24  | 2.22  | 2.21  | 2.19  | 2.17  | 2.15  | 2.14  | 2.12  | 2.11  | 2.09  | 2.08  | 2.07  | 2.04  | 2.02  | 2.02  | 2.01  | 16 |
| 2.24  | 2.23  | 2.21  | 2.19  | 2.17  | 2.16  | 2.15  | 2.12  | 2.10  | 2.09  | 2.08  | 2.06  | 2.05  | 2.03  | 2.02  | 1.99  | 1.97  | 1.97  | 1.96  | 17 |
| 2.20  | 2.19  | 2.17  | 2.15  | 2.13  | 2.12  | 2.11  | 2.08  | 2.06  | 2.05  | 2.04  | 2.02  | 2.00  | 1.99  | 1.98  | 1.95  | 1.93  | 1.92  | 1.92  | 18 |
| 2.17  | 2.16  | 2.13  | 2.11  | 2.10  | 2.08  | 2.07  | 2.05  | 2.03  | 2.01  | 2.00  | 1.98  | 1.97  | 1.96  | 1.94  | 1.91  | 1.89  | 1.88  | 1.88  | 19 |
| 2.14  | 2.12  | 2.10  | 2.08  | 2.07  | 2.05  | 2.04  | 2.01  | 1.99  | 1.98  | 1.97  | 1.95  | 1.93  | 1.92  | 1.91  | 1.88  | 1.86  | 1.85  | 1.84  | 20 |
| 2.08  | 2.07  | 2.05  | 2.03  | 2.01  | 2.00  | 1.98  | 1.96  | 1.94  | 1.92  | 1.91  | 1.89  | 1.88  | 1.86  | 1.85  | 1.82  | 1.80  | 1.79  | 1.78  | 22 |
| 2.04  | 2.03  | 2.00  | 1.98  | 1.97  | 1.95  | 1.94  | 1.91  | 1.89  | 1.88  | 1.86  | 1.84  | 1.83  | 1.82  | 1.80  | 1.77  | 1.75  | 1.74  | 1.73  | 24 |
| 2.00  | 1.99  | 1.97  | 1.95  | 1.93  | 1.91  | 1.90  | 1.87  | 1.85  | 1.84  | 1.82  | 1.80  | 1.79  | 1.78  | 1.76  | 1.73  | 1.71  | 1.70  | 1.69  | 26 |
| 1.97  | 1.96  | 1.93  | 1.91  | 1.90  | 1.88  | 1.87  | 1.84  | 1.82  | 1.80  | 1.79  | 1.77  | 1.75  | 1.74  | 1.73  | 1.69  | 1.67  | 1.66  | 1.66  | 28 |
| 1.95  | 1.93  | 1.91  | 1.89  | 1.87  | 1.85  | 1.84  | 1.81  | 1.79  | 1.77  | 1.76  | 1.74  | 1.72  | 1.71  | 1.70  | 1.66  | 1.64  | 1.63  | 1.62  | 30 |
| 1.89  | 1.88  | 1.85  | 1.83  | 1.82  | 1.80  | 1.79  | 1.76  | 1.74  | 1.72  | 1.70  | 1.68  | 1.66  | 1.65  | 1.63  | 1.60  | 1.57  | 1.57  | 1.56  | 35 |
| 1.85  | 1.84  | 1.81  | 1.79  | 1.77  | 1.76  | 1.74  | 1.72  | 1.69  | 1.67  | 1.66  | 1.64  | 1.62  | 1.61  | 1.59  | 1.55  | 1.53  | 1.52  | 1.51  | 40 |
| 1.82  | 1.81  | 1.78  | 1.76  | 1.74  | 1.73  | 1.71  | 1.68  | 1.66  | 1.64  | 1.63  | 1.60  | 1.59  | 1.57  | 1.55  | 1.51  | 1.49  | 1.48  | 1.47  | 45 |
| 1.80  | 1.78  | 1.76  | 1.74  | 1.72  | 1.70  | 1.69  | 1.66  | 1.63  | 1.61  | 1.60  | 1.58  | 1.56  | 1.54  | 1.52  | 1.48  | 1.46  | 1.45  | 1.44  | 50 |
| 1.76  | 1.75  | 1.72  | 1.70  | 1.68  | 1.66  | 1.65  | 1.62  | 1.59  | 1.57  | 1.56  | 1.53  | 1.52  | 1.50  | 1.48  | 1.44  | 1.41  | 1.40  | 1.39  | 60 |
| 1.74  | 1.72  | 1.70  | 1.67  | 1.65  | 1.64  | 1.62  | 1.59  | 1.57  | 1.55  | 1.53  | 1.50  | 1.49  | 1.47  | 1.45  | 1.40  | 1.37  | 1.36  | 1.35  | 70 |
| 1.72  | 1.70  | 1.68  | 1.65  | 1.63  | 1.62  | 1.60  | 1.57  | 1.54  | 1.52  | 1.51  | 1.48  | 1.46  | 1.45  | 1.43  | 1.38  | 1.35  | 1.34  | 1.33  | 80 |
| 1.69  | 1.68  | 1.65  | 1.63  | 1.61  | 1.59  | 1.57  | 1.54  | 1.52  | 1.49  | 1.48  | 1.45  | 1.43  | 1.41  | 1.39  | 1.34  | 1.31  | 1.30  | 1.28  | 100 |
| 1.64  | 1.62  | 1.60  | 1.57  | 1.55  | 1.53  | 1.52  | 1.48  | 1.46  | 1.43  | 1.41  | 1.39  | 1.36  | 1.35  | 1.32  | 1.26  | 1.22  | 1.21  | 1.19  | 200 |
| 1.61  | 1.59  | 1.56  | 1.54  | 1.52  | 1.50  | 1.48  | 1.45  | 1.42  | 1.40  | 1.38  | 1.35  | 1.32  | 1.30  | 1.28  | 1.21  | 1.16  | 1.14  | 1.12  | 500 |
| 1.60  | 1.58  | 1.55  | 1.53  | 1.51  | 1.49  | 1.47  | 1.43  | 1.41  | 1.38  | 1.36  | 1.33  | 1.31  | 1.29  | 1.26  | 1.19  | 1.13  | 1.11  | 1.08  | 1000 |
| 1.59  | 1.57  | 1.54  | 1.52  | 1.50  | 1.48  | 1.46  | 1.42  | 1.40  | 1.37  | 1.35  | 1.32  | 1.30  | 1.28  | 1.25  | 1.17  | 1.11  | 1.08  | 1.03  | >1000 |
| 19  | 20  | 22  | 24  | 26  | 28  | 30  | 35  | 40  | 45  | 50  | 60  | 70  | 80  | 100  | 200  | 500  | 1000  | >1000 | df1\df2  |