**ANALISA DESKRIPTIF**

Your temporary usage period for IBM SPSS Statistics will expire in 5719 days.

GET

 FILE='D:\olah data\Ayuda\Untitled1.sav'.

DATASET NAME DataSet1 WINDOW=FRONT.

FREQUENCIES VARIABLES=X1 X2 X3 X4 X5 Y

 /STATISTICS=STDDEV VARIANCE MINIMUM MAXIMUM MEAN MEDIAN MODE

 /ORDER=ANALYSIS.

**Frequencies**

|  |
| --- |
| **Statistics** |
|  | DPR (X1) | DY(X2) | DER (X3) | EVOL (X4) | VP (X5) | PVOL (Y) |
| N | Valid | 85 | 85 | 85 | 85 | 85 | 85 |
| Missing | 0 | 0 | 0 | 0 | 0 | 0 |
| Mean | .27548 | .03619 | 4.23894 | .01699 | 13.90012 | .16837 |
| Median | .25150 | .01950 | 4.13000 | .00360 | 13.53000 | .14460 |
| Mode | .000 | .000 | .390a | .004 | 6.550a | .052a |
| Std. Deviation | .265239 | .065359 | 2.673368 | .068064 | 4.616671 | .091017 |
| Variance | .070 | .004 | 7.147 | .005 | 21.314 | .008 |
| Minimum | .000 | .000 | .390 | .000 | 5.300 | .052 |
| Maximum | .927 | .558 | 11.400 | .620 | 22.030 | .508 |
| a. Multiple modes exist. The smallest value is shown |

**Frequency Table**

|  |
| --- |
| **DPR (X1)** |
|  | Frequency | Percent | Valid Percent | Cumulative Percent |
| Valid | .000 | 22 | 25.9 | 25.9 | 25.9 |
| .004 | 1 | 1.2 | 1.2 | 27.1 |
| .006 | 1 | 1.2 | 1.2 | 28.2 |
| .009 | 1 | 1.2 | 1.2 | 29.4 |
| .010 | 1 | 1.2 | 1.2 | 30.6 |
| .023 | 1 | 1.2 | 1.2 | 31.8 |
| .068 | 1 | 1.2 | 1.2 | 32.9 |
| .075 | 1 | 1.2 | 1.2 | 34.1 |
| .084 | 1 | 1.2 | 1.2 | 35.3 |
| .133 | 1 | 1.2 | 1.2 | 36.5 |
| .143 | 1 | 1.2 | 1.2 | 37.6 |
| .147 | 1 | 1.2 | 1.2 | 38.8 |
| .167 | 1 | 1.2 | 1.2 | 40.0 |
| .195 | 1 | 1.2 | 1.2 | 41.2 |
| .200 | 1 | 1.2 | 1.2 | 42.4 |
| .200 | 2 | 2.4 | 2.4 | 44.7 |
| .211 | 1 | 1.2 | 1.2 | 45.9 |
| .249 | 1 | 1.2 | 1.2 | 47.1 |
| .250 | 1 | 1.2 | 1.2 | 48.2 |
| .251 | 1 | 1.2 | 1.2 | 49.4 |
| .252 | 1 | 1.2 | 1.2 | 50.6 |
| .252 | 1 | 1.2 | 1.2 | 51.8 |
| .258 | 1 | 1.2 | 1.2 | 52.9 |
| .282 | 1 | 1.2 | 1.2 | 54.1 |
| .295 | 1 | 1.2 | 1.2 | 55.3 |
| .296 | 1 | 1.2 | 1.2 | 56.5 |
| .300 | 2 | 2.4 | 2.4 | 58.8 |
| .301 | 1 | 1.2 | 1.2 | 60.0 |
| .306 | 1 | 1.2 | 1.2 | 61.2 |
| .307 | 1 | 1.2 | 1.2 | 62.4 |
| .313 | 1 | 1.2 | 1.2 | 63.5 |
| .319 | 1 | 1.2 | 1.2 | 64.7 |
| .319 | 1 | 1.2 | 1.2 | 65.9 |
| .329 | 1 | 1.2 | 1.2 | 67.1 |
| .339 | 1 | 1.2 | 1.2 | 68.2 |
| .350 | 3 | 3.5 | 3.5 | 71.8 |
| .352 | 1 | 1.2 | 1.2 | 72.9 |
| .368 | 1 | 1.2 | 1.2 | 74.1 |
| .377 | 1 | 1.2 | 1.2 | 75.3 |
| .454 | 1 | 1.2 | 1.2 | 76.5 |
| .500 | 3 | 3.5 | 3.5 | 80.0 |
| .500 | 1 | 1.2 | 1.2 | 81.2 |
| .500 | 1 | 1.2 | 1.2 | 82.4 |
| .509 | 1 | 1.2 | 1.2 | 83.5 |
| .573 | 1 | 1.2 | 1.2 | 84.7 |
| .597 | 1 | 1.2 | 1.2 | 85.9 |
| .622 | 1 | 1.2 | 1.2 | 87.1 |
| .634 | 1 | 1.2 | 1.2 | 88.2 |
| .665 | 1 | 1.2 | 1.2 | 89.4 |
| .677 | 1 | 1.2 | 1.2 | 90.6 |
| .722 | 1 | 1.2 | 1.2 | 91.8 |
| .725 | 1 | 1.2 | 1.2 | 92.9 |
| .748 | 1 | 1.2 | 1.2 | 94.1 |
| .846 | 1 | 1.2 | 1.2 | 95.3 |
| .879 | 1 | 1.2 | 1.2 | 96.5 |
| .890 | 1 | 1.2 | 1.2 | 97.6 |
| .912 | 1 | 1.2 | 1.2 | 98.8 |
| .927 | 1 | 1.2 | 1.2 | 100.0 |
| Total | 85 | 100.0 | 100.0 |  |

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| --- |
| **DY(X2)** |
|  | Frequency | Percent | Valid Percent | Cumulative Percent |
| Valid | .000 | 22 | 25.9 | 25.9 | 25.9 |
| .003 | 1 | 1.2 | 1.2 | 27.1 |
| .004 | 1 | 1.2 | 1.2 | 28.2 |
| .005 | 1 | 1.2 | 1.2 | 29.4 |
| .007 | 1 | 1.2 | 1.2 | 30.6 |
| .008 | 1 | 1.2 | 1.2 | 31.8 |
| .009 | 1 | 1.2 | 1.2 | 32.9 |
| .010 | 1 | 1.2 | 1.2 | 34.1 |
| .011 | 1 | 1.2 | 1.2 | 35.3 |
| .012 | 1 | 1.2 | 1.2 | 36.5 |
| .012 | 1 | 1.2 | 1.2 | 37.6 |
| .013 | 1 | 1.2 | 1.2 | 38.8 |
| .014 | 1 | 1.2 | 1.2 | 40.0 |
| .014 | 1 | 1.2 | 1.2 | 41.2 |
| .014 | 1 | 1.2 | 1.2 | 42.4 |
| .015 | 1 | 1.2 | 1.2 | 43.5 |
| .016 | 1 | 1.2 | 1.2 | 44.7 |
| .016 | 1 | 1.2 | 1.2 | 45.9 |
| .018 | 1 | 1.2 | 1.2 | 47.1 |
| .018 | 1 | 1.2 | 1.2 | 48.2 |
| .019 | 1 | 1.2 | 1.2 | 49.4 |
| .020 | 1 | 1.2 | 1.2 | 50.6 |
| .023 | 1 | 1.2 | 1.2 | 51.8 |
| .023 | 1 | 1.2 | 1.2 | 52.9 |
| .024 | 1 | 1.2 | 1.2 | 54.1 |
| .025 | 1 | 1.2 | 1.2 | 55.3 |
| .026 | 1 | 1.2 | 1.2 | 56.5 |
| .026 | 1 | 1.2 | 1.2 | 57.6 |
| .027 | 1 | 1.2 | 1.2 | 58.8 |
| .028 | 1 | 1.2 | 1.2 | 60.0 |
| .028 | 1 | 1.2 | 1.2 | 61.2 |
| .031 | 1 | 1.2 | 1.2 | 62.4 |
| .031 | 1 | 1.2 | 1.2 | 63.5 |
| .032 | 1 | 1.2 | 1.2 | 64.7 |
| .033 | 1 | 1.2 | 1.2 | 65.9 |
| .037 | 1 | 1.2 | 1.2 | 67.1 |
| .038 | 1 | 1.2 | 1.2 | 68.2 |
| .039 | 1 | 1.2 | 1.2 | 69.4 |
| .040 | 1 | 1.2 | 1.2 | 70.6 |
| .041 | 1 | 1.2 | 1.2 | 71.8 |
| .043 | 1 | 1.2 | 1.2 | 72.9 |
| .044 | 1 | 1.2 | 1.2 | 74.1 |
| .046 | 1 | 1.2 | 1.2 | 75.3 |
| .050 | 1 | 1.2 | 1.2 | 76.5 |
| .050 | 1 | 1.2 | 1.2 | 77.6 |
| .055 | 1 | 1.2 | 1.2 | 78.8 |
| .059 | 1 | 1.2 | 1.2 | 80.0 |
| .060 | 1 | 1.2 | 1.2 | 81.2 |
| .068 | 1 | 1.2 | 1.2 | 82.4 |
| .070 | 1 | 1.2 | 1.2 | 83.5 |
| .072 | 1 | 1.2 | 1.2 | 84.7 |
| .074 | 1 | 1.2 | 1.2 | 85.9 |
| .075 | 1 | 1.2 | 1.2 | 87.1 |
| .075 | 1 | 1.2 | 1.2 | 88.2 |
| .077 | 1 | 1.2 | 1.2 | 89.4 |
| .084 | 1 | 1.2 | 1.2 | 90.6 |
| .091 | 1 | 1.2 | 1.2 | 91.8 |
| .096 | 1 | 1.2 | 1.2 | 92.9 |
| .098 | 1 | 1.2 | 1.2 | 94.1 |
| .098 | 1 | 1.2 | 1.2 | 95.3 |
| .099 | 1 | 1.2 | 1.2 | 96.5 |
| .112 | 1 | 1.2 | 1.2 | 97.6 |
| .113 | 1 | 1.2 | 1.2 | 98.8 |
| .558 | 1 | 1.2 | 1.2 | 100.0 |
| Total | 85 | 100.0 | 100.0 |  |

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| **DER (X3)** |
|  | Frequency | Percent | Valid Percent | Cumulative Percent |
| Valid | .390 | 2 | 2.4 | 2.4 | 2.4 |
| .650 | 1 | 1.2 | 1.2 | 3.5 |
| .750 | 1 | 1.2 | 1.2 | 4.7 |
| .860 | 1 | 1.2 | 1.2 | 5.9 |
| .900 | 2 | 2.4 | 2.4 | 8.2 |
| .940 | 1 | 1.2 | 1.2 | 9.4 |
| 1.030 | 1 | 1.2 | 1.2 | 10.6 |
| 1.050 | 1 | 1.2 | 1.2 | 11.8 |
| 1.120 | 1 | 1.2 | 1.2 | 12.9 |
| 1.160 | 1 | 1.2 | 1.2 | 14.1 |
| 1.200 | 1 | 1.2 | 1.2 | 15.3 |
| 1.210 | 1 | 1.2 | 1.2 | 16.5 |
| 1.230 | 1 | 1.2 | 1.2 | 17.6 |
| 1.280 | 1 | 1.2 | 1.2 | 18.8 |
| 1.310 | 1 | 1.2 | 1.2 | 20.0 |
| 1.330 | 1 | 1.2 | 1.2 | 21.2 |
| 1.460 | 2 | 2.4 | 2.4 | 23.5 |
| 1.470 | 1 | 1.2 | 1.2 | 24.7 |
| 2.640 | 1 | 1.2 | 1.2 | 25.9 |
| 2.770 | 1 | 1.2 | 1.2 | 27.1 |
| 2.830 | 2 | 2.4 | 2.4 | 29.4 |
| 2.910 | 1 | 1.2 | 1.2 | 30.6 |
| 2.930 | 1 | 1.2 | 1.2 | 31.8 |
| 2.950 | 1 | 1.2 | 1.2 | 32.9 |
| 2.980 | 2 | 2.4 | 2.4 | 35.3 |
| 3.070 | 1 | 1.2 | 1.2 | 36.5 |
| 3.160 | 1 | 1.2 | 1.2 | 37.6 |
| 3.390 | 1 | 1.2 | 1.2 | 38.8 |
| 3.540 | 1 | 1.2 | 1.2 | 40.0 |
| 3.550 | 1 | 1.2 | 1.2 | 41.2 |
| 3.570 | 1 | 1.2 | 1.2 | 42.4 |
| 3.620 | 1 | 1.2 | 1.2 | 43.5 |
| 3.640 | 1 | 1.2 | 1.2 | 44.7 |
| 3.770 | 1 | 1.2 | 1.2 | 45.9 |
| 3.790 | 1 | 1.2 | 1.2 | 47.1 |
| 4.030 | 1 | 1.2 | 1.2 | 48.2 |
| 4.080 | 1 | 1.2 | 1.2 | 49.4 |
| 4.130 | 1 | 1.2 | 1.2 | 50.6 |
| 4.150 | 1 | 1.2 | 1.2 | 51.8 |
| 4.180 | 1 | 1.2 | 1.2 | 52.9 |
| 4.320 | 1 | 1.2 | 1.2 | 54.1 |
| 4.450 | 1 | 1.2 | 1.2 | 55.3 |
| 4.490 | 1 | 1.2 | 1.2 | 56.5 |
| 4.500 | 1 | 1.2 | 1.2 | 57.6 |
| 4.530 | 1 | 1.2 | 1.2 | 58.8 |
| 4.680 | 1 | 1.2 | 1.2 | 60.0 |
| 4.750 | 1 | 1.2 | 1.2 | 61.2 |
| 4.920 | 1 | 1.2 | 1.2 | 62.4 |
| 4.930 | 2 | 2.4 | 2.4 | 64.7 |
| 4.970 | 2 | 2.4 | 2.4 | 67.1 |
| 5.000 | 1 | 1.2 | 1.2 | 68.2 |
| 5.020 | 1 | 1.2 | 1.2 | 69.4 |
| 5.080 | 1 | 1.2 | 1.2 | 70.6 |
| 5.260 | 1 | 1.2 | 1.2 | 71.8 |
| 5.290 | 1 | 1.2 | 1.2 | 72.9 |
| 5.300 | 1 | 1.2 | 1.2 | 74.1 |
| 5.360 | 1 | 1.2 | 1.2 | 75.3 |
| 5.520 | 1 | 1.2 | 1.2 | 76.5 |
| 5.590 | 2 | 2.4 | 2.4 | 78.8 |
| 5.600 | 1 | 1.2 | 1.2 | 80.0 |
| 5.790 | 1 | 1.2 | 1.2 | 81.2 |
| 5.830 | 1 | 1.2 | 1.2 | 82.4 |
| 6.060 | 1 | 1.2 | 1.2 | 83.5 |
| 6.080 | 1 | 1.2 | 1.2 | 84.7 |
| 6.360 | 1 | 1.2 | 1.2 | 85.9 |
| 6.400 | 1 | 1.2 | 1.2 | 87.1 |
| 7.560 | 1 | 1.2 | 1.2 | 88.2 |
| 8.430 | 1 | 1.2 | 1.2 | 89.4 |
| 8.580 | 1 | 1.2 | 1.2 | 90.6 |
| 9.000 | 1 | 1.2 | 1.2 | 91.8 |
| 9.020 | 1 | 1.2 | 1.2 | 92.9 |
| 9.810 | 1 | 1.2 | 1.2 | 94.1 |
| 10.020 | 1 | 1.2 | 1.2 | 95.3 |
| 10.200 | 1 | 1.2 | 1.2 | 96.5 |
| 10.340 | 1 | 1.2 | 1.2 | 97.6 |
| 10.800 | 1 | 1.2 | 1.2 | 98.8 |
| 11.400 | 1 | 1.2 | 1.2 | 100.0 |
| Total | 85 | 100.0 | 100.0 |  |

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| **EVOL (X4)** |
|  | Frequency | Percent | Valid Percent | Cumulative Percent |
| Valid | .000 | 1 | 1.2 | 1.2 | 1.2 |
| .000 | 1 | 1.2 | 1.2 | 2.4 |
| .000 | 1 | 1.2 | 1.2 | 3.5 |
| .000 | 1 | 1.2 | 1.2 | 4.7 |
| .001 | 2 | 2.4 | 2.4 | 7.1 |
| .001 | 2 | 2.4 | 2.4 | 9.4 |
| .001 | 1 | 1.2 | 1.2 | 10.6 |
| .001 | 3 | 3.5 | 3.5 | 14.1 |
| .001 | 2 | 2.4 | 2.4 | 16.5 |
| .001 | 1 | 1.2 | 1.2 | 17.6 |
| .001 | 2 | 2.4 | 2.4 | 20.0 |
| .002 | 2 | 2.4 | 2.4 | 22.4 |
| .002 | 2 | 2.4 | 2.4 | 24.7 |
| .002 | 2 | 2.4 | 2.4 | 27.1 |
| .002 | 1 | 1.2 | 1.2 | 28.2 |
| .002 | 3 | 3.5 | 3.5 | 31.8 |
| .002 | 1 | 1.2 | 1.2 | 32.9 |
| .002 | 1 | 1.2 | 1.2 | 34.1 |
| .003 | 3 | 3.5 | 3.5 | 37.6 |
| .003 | 1 | 1.2 | 1.2 | 38.8 |
| .003 | 1 | 1.2 | 1.2 | 40.0 |
| .003 | 1 | 1.2 | 1.2 | 41.2 |
| .003 | 1 | 1.2 | 1.2 | 42.4 |
| .003 | 2 | 2.4 | 2.4 | 44.7 |
| .003 | 1 | 1.2 | 1.2 | 45.9 |
| .004 | 4 | 4.7 | 4.7 | 50.6 |
| .004 | 1 | 1.2 | 1.2 | 51.8 |
| .004 | 1 | 1.2 | 1.2 | 52.9 |
| .004 | 2 | 2.4 | 2.4 | 55.3 |
| .005 | 1 | 1.2 | 1.2 | 56.5 |
| .005 | 2 | 2.4 | 2.4 | 58.8 |
| .005 | 2 | 2.4 | 2.4 | 61.2 |
| .005 | 1 | 1.2 | 1.2 | 62.4 |
| .006 | 1 | 1.2 | 1.2 | 63.5 |
| .006 | 2 | 2.4 | 2.4 | 65.9 |
| .007 | 1 | 1.2 | 1.2 | 67.1 |
| .007 | 1 | 1.2 | 1.2 | 68.2 |
| .008 | 1 | 1.2 | 1.2 | 69.4 |
| .008 | 1 | 1.2 | 1.2 | 70.6 |
| .009 | 1 | 1.2 | 1.2 | 71.8 |
| .010 | 1 | 1.2 | 1.2 | 72.9 |
| .010 | 1 | 1.2 | 1.2 | 74.1 |
| .010 | 1 | 1.2 | 1.2 | 75.3 |
| .011 | 1 | 1.2 | 1.2 | 76.5 |
| .012 | 1 | 1.2 | 1.2 | 77.6 |
| .013 | 1 | 1.2 | 1.2 | 78.8 |
| .016 | 1 | 1.2 | 1.2 | 80.0 |
| .016 | 1 | 1.2 | 1.2 | 81.2 |
| .016 | 1 | 1.2 | 1.2 | 82.4 |
| .017 | 1 | 1.2 | 1.2 | 83.5 |
| .022 | 1 | 1.2 | 1.2 | 84.7 |
| .023 | 1 | 1.2 | 1.2 | 85.9 |
| .024 | 2 | 2.4 | 2.4 | 88.2 |
| .027 | 1 | 1.2 | 1.2 | 89.4 |
| .029 | 1 | 1.2 | 1.2 | 90.6 |
| .031 | 1 | 1.2 | 1.2 | 91.8 |
| .033 | 1 | 1.2 | 1.2 | 92.9 |
| .034 | 1 | 1.2 | 1.2 | 94.1 |
| .042 | 1 | 1.2 | 1.2 | 95.3 |
| .045 | 1 | 1.2 | 1.2 | 96.5 |
| .083 | 1 | 1.2 | 1.2 | 97.6 |
| .095 | 1 | 1.2 | 1.2 | 98.8 |
| .620 | 1 | 1.2 | 1.2 | 100.0 |
| Total | 85 | 100.0 | 100.0 |  |

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| **VP (X5)** |
|  | Frequency | Percent | Valid Percent | Cumulative Percent |
| Valid | 5.300 | 1 | 1.2 | 1.2 | 1.2 |
| 5.700 | 1 | 1.2 | 1.2 | 2.4 |
| 6.210 | 1 | 1.2 | 1.2 | 3.5 |
| 6.400 | 1 | 1.2 | 1.2 | 4.7 |
| 6.550 | 2 | 2.4 | 2.4 | 7.1 |
| 7.240 | 1 | 1.2 | 1.2 | 8.2 |
| 7.780 | 1 | 1.2 | 1.2 | 9.4 |
| 7.820 | 1 | 1.2 | 1.2 | 10.6 |
| 8.070 | 1 | 1.2 | 1.2 | 11.8 |
| 8.320 | 1 | 1.2 | 1.2 | 12.9 |
| 8.430 | 1 | 1.2 | 1.2 | 14.1 |
| 8.460 | 1 | 1.2 | 1.2 | 15.3 |
| 8.790 | 1 | 1.2 | 1.2 | 16.5 |
| 8.920 | 1 | 1.2 | 1.2 | 17.6 |
| 9.020 | 1 | 1.2 | 1.2 | 18.8 |
| 9.460 | 1 | 1.2 | 1.2 | 20.0 |
| 9.530 | 1 | 1.2 | 1.2 | 21.2 |
| 9.670 | 1 | 1.2 | 1.2 | 22.4 |
| 9.770 | 1 | 1.2 | 1.2 | 23.5 |
| 10.010 | 1 | 1.2 | 1.2 | 24.7 |
| 10.130 | 1 | 1.2 | 1.2 | 25.9 |
| 10.240 | 1 | 1.2 | 1.2 | 27.1 |
| 10.260 | 1 | 1.2 | 1.2 | 28.2 |
| 10.330 | 1 | 1.2 | 1.2 | 29.4 |
| 10.860 | 1 | 1.2 | 1.2 | 30.6 |
| 11.420 | 1 | 1.2 | 1.2 | 31.8 |
| 11.440 | 1 | 1.2 | 1.2 | 32.9 |
| 11.510 | 1 | 1.2 | 1.2 | 34.1 |
| 11.670 | 1 | 1.2 | 1.2 | 35.3 |
| 11.710 | 1 | 1.2 | 1.2 | 36.5 |
| 11.790 | 1 | 1.2 | 1.2 | 37.6 |
| 11.950 | 1 | 1.2 | 1.2 | 38.8 |
| 11.970 | 1 | 1.2 | 1.2 | 40.0 |
| 12.040 | 1 | 1.2 | 1.2 | 41.2 |
| 12.360 | 1 | 1.2 | 1.2 | 42.4 |
| 12.720 | 1 | 1.2 | 1.2 | 43.5 |
| 12.840 | 1 | 1.2 | 1.2 | 44.7 |
| 13.010 | 1 | 1.2 | 1.2 | 45.9 |
| 13.080 | 1 | 1.2 | 1.2 | 47.1 |
| 13.280 | 1 | 1.2 | 1.2 | 48.2 |
| 13.530 | 2 | 2.4 | 2.4 | 50.6 |
| 13.720 | 1 | 1.2 | 1.2 | 51.8 |
| 13.770 | 1 | 1.2 | 1.2 | 52.9 |
| 13.840 | 1 | 1.2 | 1.2 | 54.1 |
| 13.900 | 1 | 1.2 | 1.2 | 55.3 |
| 14.100 | 1 | 1.2 | 1.2 | 56.5 |
| 14.150 | 1 | 1.2 | 1.2 | 57.6 |
| 14.270 | 1 | 1.2 | 1.2 | 58.8 |
| 14.650 | 1 | 1.2 | 1.2 | 60.0 |
| 15.120 | 1 | 1.2 | 1.2 | 61.2 |
| 15.130 | 1 | 1.2 | 1.2 | 62.4 |
| 15.210 | 1 | 1.2 | 1.2 | 63.5 |
| 15.640 | 1 | 1.2 | 1.2 | 64.7 |
| 17.210 | 1 | 1.2 | 1.2 | 65.9 |
| 17.730 | 1 | 1.2 | 1.2 | 67.1 |
| 17.920 | 1 | 1.2 | 1.2 | 68.2 |
| 18.090 | 1 | 1.2 | 1.2 | 69.4 |
| 18.130 | 1 | 1.2 | 1.2 | 70.6 |
| 18.190 | 1 | 1.2 | 1.2 | 71.8 |
| 18.730 | 1 | 1.2 | 1.2 | 72.9 |
| 18.750 | 1 | 1.2 | 1.2 | 74.1 |
| 18.830 | 1 | 1.2 | 1.2 | 75.3 |
| 18.890 | 1 | 1.2 | 1.2 | 76.5 |
| 19.080 | 1 | 1.2 | 1.2 | 77.6 |
| 19.120 | 1 | 1.2 | 1.2 | 78.8 |
| 19.140 | 1 | 1.2 | 1.2 | 80.0 |
| 19.210 | 1 | 1.2 | 1.2 | 81.2 |
| 19.330 | 2 | 2.4 | 2.4 | 83.5 |
| 19.440 | 1 | 1.2 | 1.2 | 84.7 |
| 19.450 | 1 | 1.2 | 1.2 | 85.9 |
| 19.480 | 1 | 1.2 | 1.2 | 87.1 |
| 19.640 | 1 | 1.2 | 1.2 | 88.2 |
| 19.720 | 1 | 1.2 | 1.2 | 89.4 |
| 19.760 | 1 | 1.2 | 1.2 | 90.6 |
| 19.770 | 1 | 1.2 | 1.2 | 91.8 |
| 19.850 | 1 | 1.2 | 1.2 | 92.9 |
| 19.930 | 1 | 1.2 | 1.2 | 94.1 |
| 19.940 | 1 | 1.2 | 1.2 | 95.3 |
| 20.000 | 1 | 1.2 | 1.2 | 96.5 |
| 20.120 | 1 | 1.2 | 1.2 | 97.6 |
| 21.530 | 1 | 1.2 | 1.2 | 98.8 |
| 22.030 | 1 | 1.2 | 1.2 | 100.0 |
| Total | 85 | 100.0 | 100.0 |  |

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| **PVOL (Y)** |
|  | Frequency | Percent | Valid Percent | Cumulative Percent |
| Valid | .052 | 1 | 1.2 | 1.2 | 1.2 |
| .061 | 1 | 1.2 | 1.2 | 2.4 |
| .068 | 1 | 1.2 | 1.2 | 3.5 |
| .073 | 1 | 1.2 | 1.2 | 4.7 |
| .074 | 1 | 1.2 | 1.2 | 5.9 |
| .075 | 1 | 1.2 | 1.2 | 7.1 |
| .083 | 1 | 1.2 | 1.2 | 8.2 |
| .091 | 1 | 1.2 | 1.2 | 9.4 |
| .092 | 1 | 1.2 | 1.2 | 10.6 |
| .093 | 1 | 1.2 | 1.2 | 11.8 |
| .096 | 1 | 1.2 | 1.2 | 12.9 |
| .097 | 1 | 1.2 | 1.2 | 14.1 |
| .098 | 1 | 1.2 | 1.2 | 15.3 |
| .102 | 1 | 1.2 | 1.2 | 16.5 |
| .102 | 1 | 1.2 | 1.2 | 17.6 |
| .104 | 1 | 1.2 | 1.2 | 18.8 |
| .107 | 1 | 1.2 | 1.2 | 20.0 |
| .107 | 1 | 1.2 | 1.2 | 21.2 |
| .107 | 1 | 1.2 | 1.2 | 22.4 |
| .108 | 1 | 1.2 | 1.2 | 23.5 |
| .109 | 1 | 1.2 | 1.2 | 24.7 |
| .115 | 1 | 1.2 | 1.2 | 25.9 |
| .116 | 1 | 1.2 | 1.2 | 27.1 |
| .118 | 1 | 1.2 | 1.2 | 28.2 |
| .120 | 1 | 1.2 | 1.2 | 29.4 |
| .122 | 1 | 1.2 | 1.2 | 30.6 |
| .123 | 1 | 1.2 | 1.2 | 31.8 |
| .124 | 1 | 1.2 | 1.2 | 32.9 |
| .124 | 1 | 1.2 | 1.2 | 34.1 |
| .125 | 1 | 1.2 | 1.2 | 35.3 |
| .125 | 1 | 1.2 | 1.2 | 36.5 |
| .127 | 1 | 1.2 | 1.2 | 37.6 |
| .127 | 1 | 1.2 | 1.2 | 38.8 |
| .129 | 1 | 1.2 | 1.2 | 40.0 |
| .136 | 1 | 1.2 | 1.2 | 41.2 |
| .137 | 1 | 1.2 | 1.2 | 42.4 |
| .138 | 1 | 1.2 | 1.2 | 43.5 |
| .138 | 1 | 1.2 | 1.2 | 44.7 |
| .139 | 1 | 1.2 | 1.2 | 45.9 |
| .143 | 1 | 1.2 | 1.2 | 47.1 |
| .143 | 1 | 1.2 | 1.2 | 48.2 |
| .144 | 1 | 1.2 | 1.2 | 49.4 |
| .145 | 1 | 1.2 | 1.2 | 50.6 |
| .149 | 1 | 1.2 | 1.2 | 51.8 |
| .150 | 1 | 1.2 | 1.2 | 52.9 |
| .151 | 1 | 1.2 | 1.2 | 54.1 |
| .155 | 1 | 1.2 | 1.2 | 55.3 |
| .156 | 1 | 1.2 | 1.2 | 56.5 |
| .158 | 1 | 1.2 | 1.2 | 57.6 |
| .160 | 1 | 1.2 | 1.2 | 58.8 |
| .164 | 1 | 1.2 | 1.2 | 60.0 |
| .166 | 1 | 1.2 | 1.2 | 61.2 |
| .167 | 1 | 1.2 | 1.2 | 62.4 |
| .168 | 1 | 1.2 | 1.2 | 63.5 |
| .168 | 1 | 1.2 | 1.2 | 64.7 |
| .168 | 1 | 1.2 | 1.2 | 65.9 |
| .169 | 1 | 1.2 | 1.2 | 67.1 |
| .171 | 1 | 1.2 | 1.2 | 68.2 |
| .172 | 1 | 1.2 | 1.2 | 69.4 |
| .172 | 1 | 1.2 | 1.2 | 70.6 |
| .173 | 1 | 1.2 | 1.2 | 71.8 |
| .173 | 1 | 1.2 | 1.2 | 72.9 |
| .177 | 1 | 1.2 | 1.2 | 74.1 |
| .190 | 1 | 1.2 | 1.2 | 75.3 |
| .191 | 1 | 1.2 | 1.2 | 76.5 |
| .193 | 1 | 1.2 | 1.2 | 77.6 |
| .194 | 1 | 1.2 | 1.2 | 78.8 |
| .198 | 1 | 1.2 | 1.2 | 80.0 |
| .198 | 1 | 1.2 | 1.2 | 81.2 |
| .199 | 1 | 1.2 | 1.2 | 82.4 |
| .211 | 1 | 1.2 | 1.2 | 83.5 |
| .222 | 1 | 1.2 | 1.2 | 84.7 |
| .226 | 1 | 1.2 | 1.2 | 85.9 |
| .262 | 1 | 1.2 | 1.2 | 87.1 |
| .264 | 1 | 1.2 | 1.2 | 88.2 |
| .279 | 1 | 1.2 | 1.2 | 89.4 |
| .286 | 1 | 1.2 | 1.2 | 90.6 |
| .286 | 1 | 1.2 | 1.2 | 91.8 |
| .294 | 1 | 1.2 | 1.2 | 92.9 |
| .339 | 1 | 1.2 | 1.2 | 94.1 |
| .352 | 1 | 1.2 | 1.2 | 95.3 |
| .394 | 1 | 1.2 | 1.2 | 96.5 |
| .479 | 1 | 1.2 | 1.2 | 97.6 |
| .506 | 1 | 1.2 | 1.2 | 98.8 |
| .508 | 1 | 1.2 | 1.2 | 100.0 |
| Total | 85 | 100.0 | 100.0 |  |

**UJI REGRESI DAN ASUMSI KLASIK**

REGRESSION

 /DESCRIPTIVES MEAN STDDEV CORR SIG N

 /MISSING LISTWISE

 /STATISTICS COEFF OUTS R ANOVA COLLIN TOL

 /CRITERIA=PIN(.05) POUT(.10)

 /NOORIGIN

 /DEPENDENT Y

 /METHOD=ENTER X1 X2 X3 X4 X5

 /SCATTERPLOT=(\*SRESID ,\*ZPRED)

 /RESIDUALS DURBIN HISTOGRAM(ZRESID) NORMPROB(ZRESID)

 /CASEWISE PLOT(ZRESID) ALL

 /SAVE RESID.

**Regression**

|  |
| --- |
| **Descriptive Statistics** |
|  | Mean | Std. Deviation | N |
| PVOL (Y) | .16837 | .091017 | 85 |
| DPR (X1) | .27548 | .265239 | 85 |
| DY(X2) | .03619 | .065359 | 85 |
| DER (X3) | 4.23894 | 2.673368 | 85 |
| EVOL (X4) | .01699 | .068064 | 85 |
| VP (X5) | 13.90012 | 4.616671 | 85 |

|  |
| --- |
| **Correlations** |
|  | PVOL (Y) | DPR (X1) | DY(X2) | DER (X3) | EVOL (X4) | VP (X5) |
| Pearson Correlation | PVOL (Y) | 1.000 | .436 | .414 | -.086 | -.088 | .001 |
| DPR (X1) | .436 | 1.000 | .554 | -.029 | .017 | .136 |
| DY(X2) | .414 | .554 | 1.000 | .088 | -.049 | .129 |
| DER (X3) | -.086 | -.029 | .088 | 1.000 | -.182 | .570 |
| EVOL (X4) | -.088 | .017 | -.049 | -.182 | 1.000 | -.234 |
| VP (X5) | .001 | .136 | .129 | .570 | -.234 | 1.000 |
| Sig. (1-tailed) | PVOL (Y) | . | .000 | .000 | .217 | .210 | .497 |
| DPR (X1) | .000 | . | .000 | .397 | .440 | .106 |
| DY(X2) | .000 | .000 | . | .211 | .327 | .120 |
| DER (X3) | .217 | .397 | .211 | . | .047 | .000 |
| EVOL (X4) | .210 | .440 | .327 | .047 | . | .016 |
| VP (X5) | .497 | .106 | .120 | .000 | .016 | . |
| N | PVOL (Y) | 85 | 85 | 85 | 85 | 85 | 85 |
| DPR (X1) | 85 | 85 | 85 | 85 | 85 | 85 |
| DY(X2) | 85 | 85 | 85 | 85 | 85 | 85 |
| DER (X3) | 85 | 85 | 85 | 85 | 85 | 85 |
| EVOL (X4) | 85 | 85 | 85 | 85 | 85 | 85 |
| VP (X5) | 85 | 85 | 85 | 85 | 85 | 85 |

|  |
| --- |
| **Variables Entered/Removeda** |
| Model | Variables Entered | Variables Removed | Method |
| 1 | VP (X5), DY(X2), EVOL (X4), DPR (X1), DER (X3)b | . | Enter |
| a. Dependent Variable: PVOL (Y) |
| b. All requested variables entered. |

|  |
| --- |
| **Model Summaryb** |
| Model | R | R Square | Adjusted R Square | Std. Error of the Estimate | Durbin-Watson |
| 1 | .504a | .254 | .207 | .081039 | 1.875 |
| a. Predictors: (Constant), VP (X5), DY(X2), EVOL (X4), DPR (X1), DER (X3) |
| b. Dependent Variable: PVOL (Y) |

|  |
| --- |
| **ANOVAa** |
| Model | Sum of Squares | df | Mean Square | F | Sig. |
| 1 | Regression | .177 | 5 | .035 | 5.392 | .000b |
| Residual | .519 | 79 | .007 |  |  |
| Total | .696 | 84 |  |  |  |
| a. Dependent Variable: PVOL (Y) |
| b. Predictors: (Constant), VP (X5), DY(X2), EVOL (X4), DPR (X1), DER (X3) |

|  |
| --- |
| **Coefficientsa** |
| Model | Unstandardized Coefficients | Standardized Coefficients | t | Sig. | Collinearity Statistics |
| B | Std. Error | Beta | Tolerance | VIF |
| 1 | (Constant) | .155 | .030 |  | 5.211 | .000 |  |  |
| DPR (X1) | .103 | .041 | .300 | 2.517 | .014 | .666 | 1.501 |
| DY(X2) | .357 | .164 | .256 | 2.176 | .033 | .680 | 1.470 |
| DER (X3) | -.003 | .004 | -.095 | -.787 | .434 | .654 | 1.528 |
| EVOL (X4) | -.145 | .134 | -.108 | -1.081 | .283 | .938 | 1.067 |
| VP (X5) | -.001 | .002 | -.044 | -.365 | .716 | .634 | 1.578 |
| a. Dependent Variable: PVOL (Y) |

|  |
| --- |
| **Collinearity Diagnosticsa** |
| Model | Dimension | Eigenvalue | Condition Index | Variance Proportions |
| (Constant) | DPR (X1) | DY(X2) | DER (X3) | EVOL (X4) | VP (X5) |
| 1 | 1 | 3.825 | 1.000 | .01 | .02 | .02 | .01 | .00 | .00 |
| 2 | .972 | 1.984 | .00 | .00 | .02 | .00 | .87 | .00 |
| 3 | .760 | 2.244 | .01 | .06 | .38 | .03 | .01 | .01 |
| 4 | .276 | 3.726 | .00 | .65 | .50 | .10 | .04 | .00 |
| 5 | .128 | 5.464 | .24 | .27 | .08 | .65 | .03 | .03 |
| 6 | .040 | 9.806 | .75 | .00 | .00 | .20 | .05 | .96 |
| a. Dependent Variable: PVOL (Y) |

|  |
| --- |
| **Residuals Statisticsa** |
|  | Minimum | Maximum | Mean | Std. Deviation | N |
| Predicted Value | .09216 | .41171 | .16837 | .045910 | 85 |
| Std. Predicted Value | -1.660 | 5.300 | .000 | 1.000 | 85 |
| Standard Error of Predicted Value | .009 | .079 | .019 | .010 | 85 |
| Adjusted Predicted Value | -.14268 | .26329 | .16126 | .050451 | 85 |
| Residual | -.145109 | .276973 | .000000 | .078590 | 85 |
| Std. Residual | -1.791 | 3.418 | .000 | .970 | 85 |
| Stud. Residual | -1.888 | 3.663 | .025 | 1.051 | 85 |
| Deleted Residual | -.161294 | .648284 | .007103 | .109514 | 85 |
| Stud. Deleted Residual | -1.920 | 3.995 | .035 | 1.083 | 85 |
| Mahal. Distance | .093 | 78.860 | 4.941 | 11.185 | 85 |
| Cook's Distance | .000 | 9.121 | .120 | .989 | 85 |
| Centered Leverage Value | .001 | .939 | .059 | .133 | 85 |
| a. Dependent Variable: PVOL (Y) |

**Charts**







**UJI NORMALITAS KOLMOGOROV SMIRNOV**

NPAR TESTS

 /K-S(NORMAL)=RES\_1

 /MISSING ANALYSIS.

**NPar Tests**

|  |
| --- |
| **One-Sample Kolmogorov-Smirnov Test** |
|  | Unstandardized Residual |
| N | 85 |
| Normal Parametersa,b | Mean | .0000000 |
| Std. Deviation | .07858976 |
| Most Extreme Differences | Absolute | .117 |
| Positive | .117 |
| Negative | -.070 |
| Test Statistic | .092 |
| Asymp. Sig. (2-tailed) | .116c |
| a. Test distribution is Normal. |
| b. Calculated from data. |
| c. Lilliefors Significance Correction. |

**UJI HETEROKEDASTISITAS GLEJSER**

COMPUTE Abs\_RES=ABS(RES\_1).

EXECUTE.

REGRESSION

 /DESCRIPTIVES MEAN STDDEV CORR SIG N

 /MISSING LISTWISE

 /STATISTICS COEFF OUTS R ANOVA COLLIN TOL

 /CRITERIA=PIN(.05) POUT(.10)

 /NOORIGIN

 /DEPENDENT Abs\_RES

 /METHOD=ENTER X1 X2 X3 X4 X5

 /RESIDUALS DURBIN.

**Regression**

|  |
| --- |
| **Notes** |
| Output Created | 04-MAY-2020 11:22:06 |
| Comments |  |
| Input | Data | D:\olah data\Ayuda\Untitled1.sav |
| Active Dataset | DataSet1 |
| Filter | <none> |
| Weight | <none> |
| Split File | <none> |
| N of Rows in Working Data File | 85 |
| Missing Value Handling | Definition of Missing | User-defined missing values are treated as missing. |
| Cases Used | Statistics are based on cases with no missing values for any variable used. |
| Syntax | REGRESSION /DESCRIPTIVES MEAN STDDEV CORR SIG N /MISSING LISTWISE /STATISTICS COEFF OUTS R ANOVA COLLIN TOL /CRITERIA=PIN(.05) POUT(.10) /NOORIGIN /DEPENDENT Abs\_RES /METHOD=ENTER X1 X2 X3 X4 X5 /RESIDUALS DURBIN. |
| Resources | Processor Time | 00:00:00.05 |
| Elapsed Time | 00:00:00.08 |
| Memory Required | 2724 bytes |
| Additional Memory Required for Residual Plots | 0 bytes |

|  |
| --- |
| **Descriptive Statistics** |
|  | Mean | Std. Deviation | N |
| Abs\_RES | .0587 | .05188 | 85 |
| DPR (X1) | .27548 | .265239 | 85 |
| DY(X2) | .03619 | .065359 | 85 |
| DER (X3) | 4.23894 | 2.673368 | 85 |
| EVOL (X4) | .01699 | .068064 | 85 |
| VP (X5) | 13.90012 | 4.616671 | 85 |

|  |
| --- |
| **Variables Entered/Removeda** |
| Model | Variables Entered | Variables Removed | Method |
| 1 | VP (X5), DY(X2), EVOL (X4), DPR (X1), DER (X3)b | . | Enter |
| a. Dependent Variable: Abs\_RES |
| b. All requested variables entered. |

|  |
| --- |
| **Model Summaryb** |
| Model | R | R Square | Adjusted R Square | Std. Error of the Estimate | Durbin-Watson |
| 1 | .520a | .270 | .224 | .04570 | 1.803 |
| a. Predictors: (Constant), VP (X5), DY(X2), EVOL (X4), DPR (X1), DER (X3) |
| b. Dependent Variable: Abs\_RES |

|  |
| --- |
| **ANOVAa** |
| Model | Sum of Squares | df | Mean Square | F | Sig. |
| 1 | Regression | .061 | 5 | .012 | 5.853 | .000b |
| Residual | .165 | 79 | .002 |  |  |
| Total | .226 | 84 |  |  |  |
| a. Dependent Variable: Abs\_RES |
| b. Predictors: (Constant), VP (X5), DY(X2), EVOL (X4), DPR (X1), DER (X3) |

|  |
| --- |
| **Coefficientsa** |
| Model | Unstandardized Coefficients | Standardized Coefficients | t | Sig. | Collinearity Statistics |
| B | Std. Error | Beta | Tolerance | VIF |
| 1 | (Constant) | .068 | .017 |  | 4.058 | .000 |  |  |
| DPR (X1) | .091 | .023 | .167 | 1.668 | .112 | .666 | 1.501 |
| DY(X2) | -.063 | .093 | -.079 | -.679 | .499 | .680 | 1.470 |
| DER (X3) | -.005 | .002 | -.152 | -1.322 | .187 | .654 | 1.528 |
| EVOL (X4) | -.092 | .076 | -.121 | -1.214 | .228 | .938 | 1.067 |
| VP (X5) | -.001 | .001 | -.065 | -.540 | .591 | .634 | 1.578 |
| a. Dependent Variable: Abs\_RES |

|  |
| --- |
| **Collinearity Diagnosticsa** |
| Model | Dimension | Eigenvalue | Condition Index | Variance Proportions |
| (Constant) | DPR (X1) | DY(X2) | DER (X3) | EVOL (X4) | VP (X5) |
| 1 | 1 | 3.825 | 1.000 | .01 | .02 | .02 | .01 | .00 | .00 |
| 2 | .972 | 1.984 | .00 | .00 | .02 | .00 | .87 | .00 |
| 3 | .760 | 2.244 | .01 | .06 | .38 | .03 | .01 | .01 |
| 4 | .276 | 3.726 | .00 | .65 | .50 | .10 | .04 | .00 |
| 5 | .128 | 5.464 | .24 | .27 | .08 | .65 | .03 | .03 |
| 6 | .040 | 9.806 | .75 | .00 | .00 | .20 | .05 | .96 |
| a. Dependent Variable: Abs\_RES |

|  |
| --- |
| **Residuals Statisticsa** |
|  | Minimum | Maximum | Mean | Std. Deviation | N |
| Predicted Value | .0005 | .1376 | .0587 | .02697 | 85 |
| Residual | -.08080 | .17283 | .00000 | .04432 | 85 |
| Std. Predicted Value | -2.158 | 2.925 | .000 | 1.000 | 85 |
| Std. Residual | -1.768 | 3.782 | .000 | .970 | 85 |
| a. Dependent Variable: Abs\_RES |