Incoherence of judicial decisions regarding punishment in the light of court file research on animal abuse in Poland

**Annex**

The research hypotheses were tested using appropriate statistical tests. The significance level of statistical tests was set at 0.05, as in social sciences. The analyses were carried out using SPSS statistical software (distribution in Poland – SPSS Polska, ul. Racławicka 58, 30‑017 Kraków). The results are presented below. The tables were prepared using SPSS statistical software. The following abbreviations have been used:

PunishOrd – punishment reactions measured on an ordinal scale;

PunishQuot – punishment reactions measured on the quotient scale;

Without – killing or mistreating an animal (without particular cruelty);

With – killing or mistreating an animal with particular cruelty;

CrimRe – whether the offender had a previous criminal record;

NumConv – number of final convictions;

LastConvPeriod – number of months elapsed between the date when the last conviction became final and the date when the sentence was passed;

Expl – possible explanations given by the perpetrator;

Regr –whether the convicted person regretted what he or she had done;

Confess – whether the perpetrator confessed;

DoubleSent –whether the perpetrator's act affected at least two criminally protected goods at the same time and the court passed a double sentence;

Type2 – type of injured animal;

Effects2, Effects01 – effects on the injured animal;

NumAnim – number of injured animals;

Income – income of the perpetrator;

Court – court whose cases were analysed;

Court group – group of courts whose cases were analysed;

Act2 –the second or further act by the perpetrator.

**If there is a basis for accepting the alternative hypothesis, the alternative hypothesis is bolded. If there is no reason to reject the null hypothesis, the null hypothesis is bolded.**

Table 1

H0: There is no correlation between punishment reactions measured on the ordinal scale and punishment reactions measured on the quotient scale.

**H1: There is a correlation between punishment reactions measured on the ordinal scale and punishment reactions measured on the quotient scale**.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Correlations** | | | | |
|  | | | PunishOrd | PunishQuot |
| Spearman's rho | PunishOrd | Correlation Coefficient | 1.000 | .771\*\* |
| Sig. (2-tailed) | . | .000 |
| N | 206 | 206 |
| PunishQuot | Correlation Coefficient | .771\*\* | 1.000 |
| Sig. (2-tailed) | .000 | . |
| N | 206 | 206 |
| \*\*. Correlation is significant at the 0.01 level (2-tailed). | | | | |

Due to the fact that the second variable is analysed on the quotient scale and due to the unequal number of subgroups examined in each test, we have used the non-parametric equivalent of the Student's t-test, i.e. the Mann-Whitney test and the non-parametric version of the Kruskall-Wallis ANOVA test.

**Table 2**

H0: There is no correlation between punishment reactions measured on the ordinal scale and killing or mistreating an animal with particular cruelty.

**H1: There is a correlation between punishment reactions measured on the ordinal scale and killing or mistreating an animal with particular cruelty.**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Ranks** | | | | |
|  | Act2 | N | Mean Rank | Sum of Ranks |
| PunishOrd | Without | 182 | 96.57 | 17575.00 |
| With | 24 | 156.08 | 3746.00 |
| Total | 206 |  |  |

|  |  |
| --- | --- |
| **Test Statisticsa** | |
|  | PunishOrd |
| Mann-Whitney U | 922.000 |
| Wilcoxon W | 17575.000 |
| Z | -4.696 |
| Asymp. Sig. (2-tailed) | .000 |
| a. Grouping Variable: Act2 | |

**Table 3**

;

H0: There is no correlation between punishment reactions measured on the ordinal scale and whether the offender had a previous criminal record.

**H1: There is correlation between punishment reactions measured on the ordinal scale and the question whether the offender had a previous criminal record.**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Ranks** | | | | |
|  | CrimRe | N | Mean Rank | Sum of Ranks |
| PunishOrd | Yes | 64 | 128.91 | 8250.00 |
| No | 142 | 92.05 | 13071.00 |
| Total | 206 |  |  |

|  |  |
| --- | --- |
| **Test Statisticsa** | |
|  | PunishOrd |
| Mann-Whitney U | 2918.000 |
| Wilcoxon W | 13071.000 |
| Z | -4.195 |
| Asymp. Sig. (2-tailed) | .000 |
| a. Grouping Variable: CrimRe | |

**Table 4**

1.

H0: There is no correlation between punishment reactions measured on the ordinal scale and whether the offender of an act without particular cruelty had a previous criminal record.

**H1: There is a correlation between punishment reactions measured on the ordinal scale and the question whether the offender of an act without particular cruelty had a previous criminal record.**

2.

H0 There is no correlation between punishment reactions measured on the ordinal scale and the question whether the perpetrator of a particularly cruel act had a previous criminal record.

**H.1: There is a correlation between punishment reactions measured on the ordinal scale and whether the perpetrator of a particularly cruel act had a previous criminal record.**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Ranks** | | | | | |
| Act2 | | CrimRe | N | Mean Rank | Sum of Ranks |
| Without | PunishOrd | Yes | 52 | 111.44 | 5795.00 |
| No | 130 | 83.52 | 10858.00 |
| Total | 182 |  |  |
| With | PunishOrd | Yes | 12 | 15.83 | 190.00 |
| No | 12 | 9.17 | 110.00 |
| Total | 24 |  |  |

|  |  |  |
| --- | --- | --- |
| **Test Statisticsa** | | |
| Act2 | | PunishOrd |
| Without | Mann-Whitney U | 2343.000 |
| Wilcoxon W | 10858.000 |
| Z | -3.307 |
| Asymp. Sig. (2-tailed) | .001 |
| With | Mann-Whitney U | 32.000 |
| Wilcoxon W | 110.000 |
| Z | -2.373 |
| Asymp. Sig. (2-tailed) | .018 |
| Exact Sig. [2\*(1-tailed Sig.)] | .020b |
| a. Grouping Variable: CrimRe | | |
| b. Not corrected for ties. | | |

**Table 5**

H0: There is no correlation between punishment reactions measured on the quotient scale and the question of whether the offender had a previous criminal record.

**H1: There is a correlation between punishment reactions measured on the quotient scale and the question whether the offender had a previous criminal record.**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Ranks** | | | | |
|  | CrimRe | N | Mean Rank | Sum of Ranks |
| PunishQuot | No | 142 | 94.39 | 13404.00 |
| Yes | 64 | 123.70 | 7917.00 |
| Total | 206 |  |  |

|  |  |
| --- | --- |
| **Test Statisticsa** | |
|  | PunishQuot |
| Mann-Whitney U | 3251.000 |
| Wilcoxon W | 13404.000 |
| Z | -3.277 |
| Asymp. Sig. (2-tailed) | .001 |
| a. Grouping Variable: CrimRe | |

**Table 6**

H0: There is no correlation between punishment reactions for killing or mistreating an animal without particular cruelty measured on the quotient scale and whether the offender had a previous criminal record.

**H1: There is a correlation between punishment reactions for killing or mistreating an animal without particular cruelty, measured on the quotient scale, and whether the offender had a previous criminal record.**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Ranksa** | | | | |
|  | CrimRe | N | Mean Rank | Sum of Ranks |
| PunishQuot | No | 130 | 82.98 | 10788.00 |
| Yes | 52 | 112.79 | 5865.00 |
| Total | 182 |  |  |
| a. Act2 = Without | | | | |

|  |  |
| --- | --- |
| **Test Statisticsa,b** | |
|  | PunishQuot |
| Mann-Whitney U | 2273.000 |
| Wilcoxon W | 10788.000 |
| Z | -3.461 |
| Asymp. Sig. (2-tailed) | .001 |
| a. Act2 = Without | |
| b. Grouping Variable: CrimRe | |

**Table 7**

H0: There is no correlation between punishment reactions measured on the ordinal scale and the number of final convictions.

**H1: There is a correlation between punishment reactions measured on the ordinal scale and the number of final convictions.**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Correlations** | | | | |
|  | | | PunishOrd | NumConv |
| Spearman's rho | PunishOrd | Correlation Coefficient | 1.000 | .306\*\* |
| Sig. (2-tailed) | . | .000 |
| N | 206 | 206 |
| NumConv | Correlation Coefficient | .306\*\* | 1.000 |
| Sig. (2-tailed) | .000 | . |
| N | 206 | 206 |
| \*\*. Correlation is significant at the 0.01 level (2-tailed). | | | | |

**Table 8**

H0: There is no correlation between punishment reactions for killing or mistreating an animal without particular cruelty, measured on the ordinal scale, and the number of final convictions.

**H1: There is a correlation between punishment reactions for killing or mistreating an animal without particular cruelty, measured on the ordinal scale, and the number of final convictions.**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Correlationsa** | | | | |
|  | | | PunishOrd | NumConv |
| Spearman's rho | PunishOrd | Correlation Coefficient | 1.000 | .253\*\* |
| Sig. (2-tailed) | . | .001 |
| N | 182 | 182 |
| NumConv | Correlation Coefficient | .253\*\* | 1.000 |
| Sig. (2-tailed) | .001 | . |
| N | 182 | 182 |
| \*\*. Correlation is significant at the 0.01 level (2-tailed). | | | | |
| a. Act2 = Without | | | | |

**Table 9**

H0: There is no correlation between punishment reactions for killing or mistreating an animal without particular cruelty, measured on the quotient scale, and the number of final convictions.

**H1: There is a correlation between punishment reactions for killing or mistreating an animal without particular cruelty, measured on the quotient scale, and the number of final convictions.**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Correlationsa** | | | | |
|  | | | PunishQuot | NumConv |
| Spearman's rho | PunishQuot | Correlation Coefficient | 1.000 | .247\*\* |
| Sig. (2-tailed) | . | .001 |
| N | 182 | 182 |
| NumConv | Correlation Coefficient | .247\*\* | 1.000 |
| Sig. (2-tailed) | .001 | . |
| N | 182 | 182 |
| \*\*. Correlation is significant at the 0.01 level (2-tailed). | | | | |
| a. Act2 = Without | | | | |

**Table 10**

**H0: There is no correlation between punishment reactions measured on the ordinal scale and possible explanations by the perpetrator.**

H1: There is a correlation between punishment reactions measured on the ordinal scale and possible explanations by the perpetrator.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Ranks** | | | | |
|  | Expl | N | Mean Rank | Sum of Ranks |
| PunishOrd | Yes | 174 | 101.56 | 17671.00 |
| No | 32 | 114.06 | 3650.00 |
| Total | 206 |  |  |

|  |  |
| --- | --- |
| **Test Statisticsa** | |
|  | PunishOrd |
| Mann-Whitney U | 2446.000 |
| Wilcoxon W | 17671.000 |
| Z | -1.114 |
| Asymp. Sig. (2-tailed) | .265 |
| a. Grouping Variable: Expl | |

**Tabel 11**

**H0: There is no correlation between punishment reactions measured on the quotient scale and possible explanations by the perpetrator.**

H1: There is a correlation between punishment reactions measured on the quotient scale and possible explanations by the perpetrator.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Ranks** | | | | |
|  | Expl | N | Mean Rank | Sum of Ranks |
| PunishQuot | Yes | 174 | 102.21 | 17784.50 |
| No | 32 | 110.52 | 3536.50 |
| Total | 206 |  |  |

|  |  |
| --- | --- |
| **Test Statisticsa** | |
|  | PunishQuot |
| Mann-Whitney U | 2559.500 |
| Wilcoxon W | 17784.500 |
| Z | -.727 |
| Asymp. Sig. (2-tailed) | .467 |
| a. Grouping Variable: Expl | |

**Table 12**

**H0: There is no correlation between punishment reactions measured on the ordinal scale and the question whether the convicted person regretted his or her act.**

H1: There is a correlation between punishment reactions measured on the ordinal scale and question whether the convicted person regretted his or her act.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Ranks** | | | | |
|  | Regr | N | Mean Rank | Sum of Ranks |
| PunishOrd | Yes | 116 | 100.90 | 11704.50 |
| No | 90 | 106.85 | 9616.50 |
| Total | 206 |  |  |

|  |  |
| --- | --- |
| **Test Statisticsa** | |
|  | PunishOrd |
| Mann-Whitney U | 4918.500 |
| Wilcoxon W | 11704.500 |
| Z | -.726 |
| Asymp. Sig. (2-tailed) | .468 |
| a. Grouping Variable: Regr | |

**Table 13**

**H0: There is no correlation between punishment reactions measured on the quotient scale and the question whether the convicted person regretted his or her act.**

H1: There is a correlation between punishment reactions measured on the quotient scale and the question whether the convicted person regretted his or her act.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Ranks** | | | | |
|  | Regr | N | Mean Rank | Sum of Ranks |
| PunishQuot | Yes | 116 | 109.44 | 12695.50 |
| No | 90 | 95.84 | 8625.50 |
| Total | 206 |  |  |

|  |  |
| --- | --- |
| **Test Statisticsa** | |
|  | PunishQuot |
| Mann-Whitney U | 4530.500 |
| Wilcoxon W | 8625.500 |
| Z | -1.631 |
| Asymp. Sig. (2-tailed) | .103 |
| a. Grouping Variable: Regr | |

**Table 14**

**H0: There is no correlation between punishment reactions measured on the ordinal and the question whether the perpetrator confessed.**

H1: There is a correlation between punishment reactions measured on the ordinal and the question whether the perpetrator confessed.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Ranks** | | | | | |
| Act2 | | Confess | N | Mean Rank | Sum of Ranks |
| Without | PunishOrd | Yes | 118 | 88.59 | 10454.00 |
| No | 64 | 96.86 | 6199.00 |
| Total | 182 |  |  |
| With | PunishOrd | Yes | 15 | 10.73 | 161.00 |
| No | 9 | 15.44 | 139.00 |
| Total | 24 |  |  |

|  |  |  |
| --- | --- | --- |
| **Test Statisticsa** | | |
| Act2 | | PunishOrd |
| Without | Mann-Whitney U | 3433.000 |
| Wilcoxon W | 10454.000 |
| Z | -1.035 |
| Asymp. Sig. (2-tailed) | .301 |
| With | Mann-Whitney U | 41.000 |
| Wilcoxon W | 161.000 |
| Z | -1.623 |
| Asymp. Sig. (2-tailed) | .104 |
| Exact Sig. [2\*(1-tailed Sig.)] | .123b |
| a. Grouping Variable: Confess | | |
| b. Not corrected for ties. | | |

**Table 15**

H0: There is no correlation between punishment reactions measured on the ordinal scale and the type of injured animal.

**H1: There is a correlation between punishment reactions measured on the ordinal scale and the type of injured animal.**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Ranks** | | | | | | |
|  | Type2 | | N | | Mean Rank | Sum of Ranks |
| PunishOrd | Companion Animal | | 157 | | 110.10 | 17286.00 |
| Non-companion Animal | | 49 | | 82.35 | 4035.00 |
| Total | | 206 | |  |  |
| **Test Statisticsa** | | | |
|  | | PunishOrd | |
| Mann-Whitney U | | 2810.000 | |
| Wilcoxon W | | 4035.000 | |
| Z | | -2.906 | |
| Asymp. Sig. (2-tailed) | | .004 | |
| a. Grouping Variable: Type2 | | | |

**Table 16**

H0: There is no correlation between punishment reactions measured on the quotient scale and the type of injured animal.

**H1: There is a correlation between punishment reactions measured on the quotient scale and the type of injured animal.**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Ranks** | | | | |
|  | Type2 | N | Mean Rank | Sum of Ranks |
| PunishQuot | Companion Animal | 157 | 112.12 | 17603.00 |
| Non-companion Animal | 49 | 75.88 | 3718.00 |
| Total | 206 |  |  |

|  |  |
| --- | --- |
| **Test Statisticsa** | |
|  | PunishQuot |
| Mann-Whitney U | 2493.000 |
| Wilcoxon W | 3718.000 |
| Z | -3.729 |
| Asymp. Sig. (2-tailed) | .000 |
| a. Grouping Variable: Type2 | |

**Table 17**

H0: There is no correlation between punishment reactions for killing or mistreating an animal without particular cruelty measured on the quotient scale and the type of injured animal.

**H1: There is a correlation between punishment reactions for killing or mistreating an animal without particular cruelty measured on the quotient scale and the type of injured animal.**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Ranksa** | | | | |
|  | Type2 | N | Mean Rank | Sum of Ranks |
| PunishQuot | Companion Animal | 135 | 99.00 | 13365.50 |
| Non-companion Animal | 47 | 69.95 | 3287.50 |
| Total | 182 |  |  |
| a. Act2 = Without | | | | |

|  |  |
| --- | --- |
| **Test Statisticsa,b** | |
|  | PunishQuot |
| Mann-Whitney U | 2159.500 |
| Wilcoxon W | 3287.500 |
| Z | -3.269 |
| Asymp. Sig. (2-tailed) | .001 |
| a. Act2 = Without | |
| b. Grouping Variable: Type2 | |

**Tabel 18**

H0: There is no correlation between punishment reactions measured on the ordinal scale

and effects on the injured animal.

**H1: There is a correlation between punishment reactions measured on the ordinal scale**

**and effects on the injured animal.**

|  |  |  |  |
| --- | --- | --- | --- |
| **Ranks** | | | |
|  | Effects2 | N | Mean Rank |
| PunishOrd | No\_Such\_Harm | 44 | 80.99 |
| Health\_Detriment | 89 | 112.15 |
| Death | 73 | 106.53 |
| Total | 206 |  |

|  |  |
| --- | --- |
| **Test Statisticsa,b** | |
|  | PunishOrd |
| Kruskal-Wallis H | 8.696 |
| df | 2 |
| Asymp. Sig. | .013 |
| a. Kruskal Wallis Test | |
| b. Grouping Variable: Effects2 | |

**Table 19**

H0: There is no correlation between punishment reactions measured on the quotient scale

and effects on the injured animal.

**H1: There is a correlation between punishment reactions measured on the quotient scale**

**and effects on the injured animal.**

|  |  |  |  |
| --- | --- | --- | --- |
| **Ranks** | | | |
|  | Effects2 | N | Mean Rank |
| PunishQuot | No\_Such\_Harm | 44 | 77.84 |
| Health\_Detriment | 89 | 110.89 |
| Death | 73 | 109.95 |
| Total | 206 |  |

|  |  |
| --- | --- |
| **Test Statisticsa,b** | |
|  | PunishQuot |
| Kruskal-Wallis H | 10.451 |
| df | 2 |
| Asymp. Sig. | .005 |
| a. Kruskal Wallis Test | |
| b. Grouping Variable: Effects2 | |

**Table 20**

H0: There is no correlation between punishment reactions for killing or mistreating an animal without particular cruelty measured on the quotient scale and effects on the injured animal.

**H1: There is a correlation between punishment reactions for killing or mistreating an animal without particular cruelty measured on the quotient scale and effects on the injured animal.**

|  |  |  |  |
| --- | --- | --- | --- |
| **Ranksa** | | | |
|  | Effects2 | N | Mean Rank |
| PunishQuot | No\_Such\_Harm | 42 | 71.94 |
| Health\_Detriment | 79 | 99.23 |
| Death | 61 | 94.95 |
| Total | 182 |  |
| a. Act2 = Without | | | |

|  |  |
| --- | --- |
| **Test Statisticsa,b,c** | |
|  | PunishQuot |
| Kruskal-Wallis H | 7.814 |
| df | 2 |
| Asymp. Sig. | .020 |
| a. Act2 = Without | |
| b. Kruskal Wallis Test | |
| c. Grouping Variable: Effects2 | |

**Table 21**

H0: There is no correlation between punishment reactions measured on the ordinal scale and effects on the injured animal.

**H1: There is a correlation between punishment reactions measured on the ordinal scale and effects on the injured animal.**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Ranks** | | | | |
|  | Effects2 | N | Mean rank | Sum of Ranks |
| PunishOrd | No\_Such\_Harm | 44 | 52,03 | 2289,50 |
| Health\_Detriment | 89 | 74,40 | 6621,50 |
| Total | 133 |  |  |

|  |  |
| --- | --- |
| **Test statisticsa** | |
|  | PunishOrd |
| U Mann-Whitney | 1299,500 |
| W Wilcoxon | 2289,500 |
| Z | -3,242 |
| Asymp. Sig. (2-tailed) | ,001 |
| a. Grouping Variable: Effects2 | |

**Table 22**

H0: There is no correlation between punishment reactions measured on the quotient scale and effects on the injured animal.

**H1: There is a correlation between punishment reactions measured on the quotient scale and effects on the injured animal.**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Ranks** | | | | |
|  | Effects2 | N | Mean rank | Sum of Ranks |
| PunishQuot | No\_Such\_Harm | 44 | 51,30 | 2257,00 |
| Health\_Detriment | 89 | 74,76 | 6654,00 |
| Total | 133 |  |  |

|  |  |
| --- | --- |
| **Test statisticsa** | |
|  | PunishQuot |
| U Mann-Whitney | 1267,000 |
| W Wilcoxon | 2257,000 |
| Z | -3,315 |
| Asymp. Sig. (2-tailed) | ,001 |
| a. Grouping Variable: Effects2 | |

**Table 23**

H0: There is no correlation between punishment reactions for killing or mistreating an animal without particular cruelty measured on the ordinal scale and effects on the injured animal.

**H1: There is a correlation between punishment reactions for killing or mistreating an animal without particular cruelty measured on the ordinal scale and effects on the injured animal.**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Ranks** | | | | | |
| Act2 | | Effects2 | N | Mean rank | Sum of Ranks |
| Without | PunishOrd | No\_Such\_Harm | 42 | 48,69 | 2045,00 |
| Health\_Detriment | 79 | 67,54 | 5336,00 |
| Total | 121 |  |  |
| With | PunishOrd | No\_Such\_Harm | 2 | 4,00 | 8,00 |
| Health\_Detriment | 10 | 7,00 | 70,00 |
| Total | 12 |  |  |

|  |  |  |
| --- | --- | --- |
| **Test statisticsa** | | |
| Act2 | | PunishOrd |
| Without | U Mann-Whitney | 1142,000 |
| W Wilcoxon | 2045,000 |
| Z | -2,904 |
| Asymp. Sig. (2-tailed) | ,004 |
| With | U Mann-Whitney | 5,000 |
| W Wilcoxon | 8,000 |
| Z | -1,118 |
| Asymp. Sig. (2-tailed) | ,264 |
| Exact significance [2\*(one-tailed)] | ,364b |
| a. Grouping Variable: Effects2 | | |
| b. Not corrected for ties. | | |

**Table 24**

H0: There is no correlation between punishment reactions for killing or mistreating an animal without particular cruelty measured on the quotient scale and effects on the injured animal.

**H1: There is a correlation between punishment reactions for killing or mistreating an animal without particular cruelty measured on the quotient scale and effects on the injured animal.**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Ranks** | | | | | |
| Act2 | | Effects2 | N | Mean rank | Sum of Ranks |
| Without | PunishQuot | No\_Such\_Harm | 42 | 47,85 | 2009,50 |
| Health\_Detriment | 79 | 67,99 | 5371,50 |
| Total | 121 |  |  |
| With | PunishQuot | No\_Such\_Harm | 2 | 3,75 | 7,50 |
| Health\_Detriment | 10 | 7,05 | 70,50 |
| Total | 12 |  |  |

|  |  |  |
| --- | --- | --- |
| **Test statisticsa** | | |
| Act2 | | PunishQuot |
| Without | U Mann-Whitney | 1106,500 |
| W Wilcoxon | 2009,500 |
| Z | -3,018 |
| Asymp. Sig. (2-tailed) | ,003 |
| With | U Mann-Whitney | 4,500 |
| W Wilcoxon | 7,500 |
| Z | -1,201 |
| Asymp. Sig. (2-tailed) | ,230 |
| Exact significance [2\*(one-tailed)] | ,273b |
| a. Grouping Variable: Effects2 | | |
| b. Not corrected for ties. | | |

**Table 25**

H0: There is no correlation between punishment reactions measured on the quotient scale and effects on the injured animal.

**H1: There is a correlation between punishment reactions measured on the quotient scale and effects on the injured animal.**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Ranks** | | | | |
|  | Effects2 | N | Mean rank | Sum of Ranks |
| PunishQuot | No\_Such\_Harm | 44 | 49,05 | 2158,00 |
| Death | 73 | 65,00 | 4745,00 |
| Total | 117 |  |  |

|  |  |
| --- | --- |
| **Test statisticsa** | |
|  | PunishQuot |
| U Mann-Whitney | 1168,000 |
| W Wilcoxon | 2158,000 |
| Z | -2,479 |
| Asymp. Sig. (2-tailed) | ,013 |
| a. Grouping Variable: Effects2 | |

**Table 26**

**H0: There is no correlation between punishment reactions measured on the ordinal scale and number of injured animals.**

H1: There is a correlation between punishment reactions measured on the ordinal scale and number of injured animals.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Correlations** | | | | |
|  | | | PunishOrd | NumAnim‎‎ |
| Spearman's rho | PunishOrd | Correlation Coefficient | 1.000 | .009 |
| Sig. (2-tailed) | . | .894 |
| N | 206 | 205 |
| NumAnim‎‎ | Correlation Coefficient | .009 | 1.000 |
| Sig. (2-tailed) | .894 | . |
| N | 205 | 205 |

**Table 27**

H0: There is no correlation between punishment reactions for killing or mistreating an animal with particular cruelty measured on the quotient scale and number of injured animals.

**H1: There is a correlation between punishment reactions for killing or mistreating an animal with particular cruelty measured on the quotient scale and number of injured animals.**

|  |  |  |  |
| --- | --- | --- | --- |
| **Correlationsa** | | | |
|  | | PunishQuot | NumAnim‎‎ |
| PunishQuot | Pearson Correlation | 1 | .065 |
| Sig. (2-tailed) |  | .383 |
| N | 182 | 182 |
| NumAnim‎‎ | Pearson Correlation | .065 | 1 |
| Sig. (2-tailed) | .383 |  |
| N | 182 | 182 |
| a. Act2 = Without | | | |

**Table 28**

H0: There is no correlation between the amount of the fine and perpetrator's income.

**H1: There is a correlation between the amount of the fine and perpetrator's income.**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Ranks** | | | | |
|  | 2ndPunishment for 2Acts | N | Mean rank | Sum of Ranks |
| Income | Fine | 39 | 118,64 | 4627,00 |
| No Fine | 156 | 92,84 | 14483,00 |
| Total | 195 |  |  |

|  |  |
| --- | --- |
| **Test statisticsa** | |
|  | Income |
| U Mann-Whitney | 2237,000 |
| W Wilcoxon | 14483,000 |
| Z | -2,559 |
| Asymp. Sig. (2-tailed) | ,010 |
| a. Grouping Variable: 2ndPunishment for 2Acts | |

**Table 29**

H0: There is no correlation between punishment reactions measured on the ordinal scale and the geographical group of the courts whose cases were analyzed.

**H1: There is a correlation between punishment reactions measured on the ordinal scale and the geographical group of the courts whose cases were analyzed.**

|  |  |  |  |
| --- | --- | --- | --- |
| **Ranks** | | | |
|  | Court\_group | N | Mean rank |
| PunishQuot | Łódź | 55 | 105,27 |
| ŁęczycaŁowiczKutno | 61 | 82,67 |
| ZgierzBrzezinySkierNowice | 51 | 112,53 |
| PabianiceZduńskaPoddębice | 39 | 121,77 |
| Total | 206 |  |

|  |  |
| --- | --- |
| **Test statisticsa,b** | |
|  | PunishQuot |
| H Kruskal-Wallis | 12,418 |
| df | 3 |
| Asymp. Sig. | ,006 |
| a. Test Kruskal-Wallis | |
| b. Grouping Variable: Court\_group | |

**Table 30**

H0: There is no correlation between punishment reactions measured on the quotient scale and the geographical group of the courts whose cases were analyzed.

**H1: There is a correlation between punishment reactions measured on the quotient scale and the geographical group of the courts whose cases were analyzed.**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Ranks** | | | | |
| Act2 | | Court\_group | N | Mean rank |
| Without | PunishQuot | Łódź | 44 | 89,73 |
| ŁęczycaŁowiczKutno | 59 | 75,55 |
| ZgierzBrzezinySkierNowice | 45 | 98,86 |
| PabianiceZduńskaPoddębice | 34 | 111,74 |
| Total | 182 |  |
| With | PunishQuot | Łódź | 11 | 12,36 |
| ŁęczycaŁowiczKutno | 2 | 13,00 |
| ZgierzBrzezinySkierNowice | 6 | 14,58 |
| PabianiceZduńskaPoddębice | 5 | 10,10 |
| Total | 24 |  |

|  |  |  |
| --- | --- | --- |
| **Test statisticsa,b** | | |
| Act2 | | PunishQuot |
| Without | H Kruskal-Wallis | 11,439 |
| df | 3 |
| Asymp. Sig. | ,010 |
| With | H Kruskal-Wallis | 1,134 |
| df | 3 |
| Asymp. Sig. | ,769 |
| a. Test Kruskal-Wallis | | |
| b. Grouping Variable: Court\_group | | |

**Table 31**

H0: There is no correlation between punishment reactions measured on the quotient scale and the geographical group of the courts whose cases were analyzed.

**H1: There is a correlation between punishment reactions measured on the quotient scale and the geographical group of the courts whose cases were analyzed.**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Ranks** | | | | | |
| Act2 | | Court\_group | N | Mean rank | Sum of Ranks |
| Without | PunishQuot | ŁęczycaŁowiczKutno | 59 | 46,74 | 2757,50 |
| ZgierzBrzezinySkierNowice | 45 | 60,06 | 2702,50 |
| Total | 104 |  |  |
| With | PunishQuot | ŁęczycaŁowiczKutno | 2 | 4,00 | 8,00 |
| ZgierzBrzezinySkierNowice | 6 | 4,67 | 28,00 |
| Total | 8 |  |  |

|  |  |  |
| --- | --- | --- |
| **Test statisticsa** | | |
| Act2 | | PunishQuot |
| Without | U Mann-Whitney | 987,500 |
| W Wilcoxon | 2757,500 |
| Z | -2,243 |
| Asymp. Sig. (2-tailed) | ,025 |
| With | U Mann-Whitney | 5,000 |
| W Wilcoxon | 8,000 |
| Z | -,342 |
| Asymp. Sig. (2-tailed) | ,733 |
| Exact significance [2\*(one-tailed)] | ,857b |
| a. Grouping Variable: Court\_group | | |
| b. Not corrected for ties. | | |

Regression models of punishment reactions

**Table 32**

H0: It is not possible to describe changes in the severity of punishment for killing or mistreating an animal without particular cruelty depending on model variables such as killing or mistreating an animal with/without particular cruelty, effects on the injured animal, number of injured animals.

**H1: It is possible to describe changes in the severity of punishment for killing or mistreating an animal without particular cruelty depending on model variables such as killing or mistreating an animal with/without particular cruelty, effects on the injured animal, number of injured animals.**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Model Summary** | | | | |
| Model | R | R Square | Adjusted R Square | Std. Error of the Estimate |
| 1 | .244a | .059 | .055 | 231.63795 |
| 2 | .340b | .116 | .107 | 225.12280 |
| 3 | .369c | .136 | .123 | 223.13005 |
| a. Predictors: (Constant), Type2 | | | | |
| b. Predictors: (Constant), Type2, Effects01 | | | | |
| c. Predictors: (Constant), Type2, Effects01, NumAnim‎‎ | | | | |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **ANOVAa** | | | | | | |
| Model | | Sum of Squares | df | Mean Square | F | Sig. |
| 1 | Regression | 673044.474 | 1 | 673044.474 | 12.544 | .000b |
| Residual | 10677571.446 | 199 | 53656.138 |  |  |
| Total | 11350615.920 | 200 |  |  |  |
| 2 | Regression | 1315921.146 | 2 | 657960.573 | 12.983 | .000c |
| Residual | 10034694.775 | 198 | 50680.277 |  |  |
| Total | 11350615.920 | 200 |  |  |  |
| 3 | Regression | 1542572.818 | 3 | 514190.939 | 10.328 | .000d |
| Residual | 9808043.103 | 197 | 49787.021 |  |  |
| Total | 11350615.920 | 200 |  |  |  |
| a. Dependent Variable: PunishQuot | | | | | | |
| b. Predictors: (Constant), Type2 | | | | | | |
| c. Predictors: (Constant), Type2, Effects01 | | | | | | |
| d. Predictors: (Constant), Type2, Effects01, NumAnim‎‎ | | | | | | |

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Coefficientsa** | | | | | | | | | | | | |
| Model | | Unstandardized Coefficients | | | | | Standardized Coefficients | | t | | Sig. | |
| B | | | Std. Error | | Beta | |  | |  | |
| 1 | (Constant) | 434.154 | | | 50.206 | |  | | 8.648 | | .000 | |
| Type2 | -135.723 | | | 38.321 | | -.244 | | -3.542 | | .000 | |
| 2 | (Constant) | 338.043 | | | 55.759 | |  | | 6.063 | | .000 | |
| Type2 | -147.302 | | | 37.385 | | -.264 | | -3.940 | | .000 | |
| Effects01 | 139.633 | | | 39.205 | | .239 | | 3.562 | | .000 | |
| 3 | (Constant) | 344.592 | | | 55.350 | |  | | 6.226 | | .000 | |
| Type2 | -170.271 | | | 38.586 | | -.305 | | -4.413 | | .000 | |
| Effects01 | 156.180 | | | 39.624 | | .267 | | 3.942 | | .000 | |
| NumAnim‎‎ | 1.691 | | | .792 | | .149 | | 2.134 | | .034 | |
| a. Dependent Variable: PunishQuot | | | | | | | | | | | | |
| **Excluded Variablesa** | | | | | | | | | | | |
| Model | | | Beta In | t | | Sig. | | Partial Correlation | | Collinearity Statistics | |
| Tolerance | |
| 1 | NumConv | | .136b | 1.956 | | .052 | | .138 | | .969 | |
| LastConvPeriod | | .066b | .959 | | .339 | | .068 | | .999 | |
| NumAnim‎‎ | | .095b | 1.341 | | .182 | | .095 | | .933 | |
| CrimRe | | .102b | 1.467 | | .144 | | .104 | | .974 | |
| Effects01 | | .239b | 3.562 | | .000 | | .245 | | .992 | |
| 2 | NumConv | | .117c | 1.727 | | .086 | | .122 | | .962 | |
| LastConvPeriod | | .053c | .797 | | .427 | | .057 | | .996 | |
| NumAnim‎‎ | | .149c | 2.134 | | .034 | | .150 | | .897 | |
| CrimRe | | .082c | 1.214 | | .226 | | .086 | | .967 | |
| 3 | NumConv | | .115d | 1.715 | | .088 | | .122 | | .962 | |
| LastConvPeriod | | .060d | .901 | | .369 | | .064 | | .994 | |
| CrimRe | | .085d | 1.268 | | .206 | | .090 | | .967 | |
| a. Dependent Variable: PunishQuot | | | | | | | | | | | |
| b. Predictors in the Model: (Constant), Type2 | | | | | | | | | | | |
| c. Predictors in the Model: (Constant), Type2, Effects01 | | | | | | | | | | | |
| d. Predictors in the Model: (Constant), Type2, Effects01, NumAnim‎‎ | | | | | | | | | | | |

**Table 33**

H0: It is not possible to describe changes in the severity of punishment depending on a model variables such as killing or mistreating an animal with/without particular cruelty, effects on the injured animal, the number of injured animals.

**H1: It is possible to describe changes in the severity of punishment depending on model variables such as killing or mistreating an animal with/without particular cruelty, effects on the injured animal, the number of injured animals.**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Model Summary** | | | | | | | | | | | | | | | |
| Model | | R | R Square | | | | Adjusted R Square | | | | Std. Error of the Estimate | | | | |
| 1 | | .397a | .157 | | | | .153 | | | | 219.22198 | | | | |
| 2 | | .441b | .194 | | | | .186 | | | | 214.91498 | | | | |
| 3 | | .481c | .231 | | | | .220 | | | | 210.42778 | | | | |
| 4 | | .503d | .253 | | | | .237 | | | | 208.03480 | | | | |
| a. Predictors: (Constant), Act01 | | | | | | | | | | | | | | | |
| b. Predictors: (Constant), Act01, Type2 | | | | | | | | | | | | | | | |
| c. Predictors: (Constant), Act01, Type2, Effects01 | | | | | | | | | | | | | | | |
| d. Predictors: (Constant), Act01, Type2, Effects01, NumAnim‎‎ | | | | | | | | | | | | | | | |
| **ANOVAa** | | | | | | | | | | | | | | | | | | | | | |
| Model | | | | Sum of Squares | | | | | df | | | | Mean Square | | | | F | | | Sig. | |
| 1 | Regression | | | 1787018.957 | | | | | 1 | | | | 1787018.957 | | | | 37.184 | | | .000b | |
| Residual | | | 9563596.963 | | | | | 199 | | | | 48058.276 | | | |  | | |  | |
| Total | | | 11350615.920 | | | | | 200 | | | |  | | | |  | | |  | |
| 2 | Regression | | | 2205302.982 | | | | | 2 | | | | 1102651.491 | | | | 23.873 | | | .000c | |
| Residual | | | 9145312.939 | | | | | 198 | | | | 46188.449 | | | |  | | |  | |
| Total | | | 11350615.920 | | | | | 200 | | | |  | | | |  | | |  | |
| 3 | Regression | | | 2627485.211 | | | | | 3 | | | | 875828.404 | | | | 19.779 | | | .000d | |
| Residual | | | 8723130.710 | | | | | 197 | | | | 44279.851 | | | |  | | |  | |
| Total | | | 11350615.920 | | | | | 200 | | | |  | | | |  | | |  | |
| 4 | Regression | | | 2868034.626 | | | | | 4 | | | | 717008.657 | | | | 16.567 | | | .000e | |
| Residual | | | 8482581.294 | | | | | 196 | | | | 43278.476 | | | |  | | |  | |
| Total | | | 11350615.920 | | | | | 200 | | | |  | | | |  | | |  | |
| a. Dependent Variable: PunishQuot | | | | | | | | | | | | | | | | | | | | | |
| b. Predictors: (Constant), Act01 | | | | | | | | | | | | | | | | | | | | | |
| c. Predictors: (Constant), Act01, Type2 | | | | | | | | | | | | | | | | | | | | | |
| d. Predictors: (Constant), Act01, Type2, Effects01 | | | | | | | | | | | | | | | | | | | | | |
| e. Predictors: (Constant), Act01, Type2, Effects01, NumAnim‎‎ | | | | | | | | | | | | | | | | | | | | | |
| **Coefficients**a | | | | | | | | | | | | | | | | | | | | | | |
| Model | | | | | Unstandardized Coefficients | | | | | | | | | Standardized Coefficients | | | | t | | | Sig. | |
| B | | | | | Std. Error | | | | Beta | | | |  | | |  | |
| 1 | (Constant) | | | | 231.299 | | | | | 16.478 | | | |  | | | | 14.037 | | | .000 | |
| Act01 | | | | 290.784 | | | | | 47.686 | | | | .397 | | | | 6.098 | | | .000 | |
| 2 | (Constant) | | | | 367.334 | | | | | 48.004 | | | |  | | | | 7.652 | | | .000 | |
| Act01 | | | | 271.721 | | | | | 47.176 | | | | .371 | | | | 5.760 | | | .000 | |
| Type2 | | | | -107.974 | | | | | 35.880 | | | | -.194 | | | | -3.009 | | | .003 | |
| 3 | (Constant) | | | | 293.305 | | | | | 52.763 | | | |  | | | | 5.559 | | | .000 | |
| Act01 | | | | 253.447 | | | | | 46.569 | | | | .346 | | | | 5.442 | | | .000 | |
| Type2 | | | | -119.300 | | | | | 35.322 | | | | -.214 | | | | -3.378 | | | .001 | |
| Effects01 | | | | 114.080 | | | | | 36.946 | | | | .195 | | | | 3.088 | | | .002 | |
| 4 | (Constant) | | | | 299.813 | | | | | 52.236 | | | |  | | | | 5.740 | | | .000 | |
| Act01 | | | | 254.806 | | | | | 46.043 | | | | .348 | | | | 5.534 | | | .000 | |
| Type2 | | | | -142.815 | | | | | 36.316 | | | | -.256 | | | | -3.933 | | | .000 | |
| Effects01 | | | | 130.991 | | | | | 37.223 | | | | .224 | | | | 3.519 | | | .001 | |
| NumAnim‎‎ | | | | 1.742 | | | | | .739 | | | | .154 | | | | 2.358 | | | .019 | |
| a. Dependent Variable: PunishQuot | | | | | | | | | | | | | | | | | | | | | | |
| **Excluded Variablesa** | | | | | | | | | | | | | | | | | | | | | | | |
| Model | | | | | | Beta In | | t | | | | Sig. | | | Partial Correlation | | | | Collinearity Statistics | | | | |
| Tolerance | | | | |
| 1 | Type2 | | | | | -.194b | | -3.009 | | | | .003 | | | -.209 | | | | .982 | | | | |
| NumConv | | | | | .075b | | 1.119 | | | | .264 | | | .079 | | | | .931 | | | | |
| LastConvPeriod | | | | | .051b | | .774 | | | | .440 | | | .055 | | | | .996 | | | | |
| NumAnim‎‎ | | | | | .054b | | .824 | | | | .411 | | | .058 | | | | .995 | | | | |
| CrimRe | | | | | .076b | | 1.157 | | | | .249 | | | .082 | | | | .974 | | | | |
| Effects01 | | | | | .173b | | 2.682 | | | | .008 | | | .187 | | | | .987 | | | | |
| 2 | NumConv | | | | | .047c | | .702 | | | | .484 | | | .050 | | | | .910 | | | | |
| LastConvPeriod | | | | | .046c | | .713 | | | | .477 | | | .051 | | | | .996 | | | | |
| NumAnim‎‎ | | | | | .110c | | 1.664 | | | | .098 | | | .118 | | | | .931 | | | | |
| CrimRe | | | | | .049c | | .757 | | | | .450 | | | .054 | | | | .954 | | | | |
| Effects01 | | | | | .195c | | 3.088 | | | | .002 | | | .215 | | | | .976 | | | | |
| 3 | NumConv | | | | | .037d | | .560 | | | | .576 | | | .040 | | | | .908 | | | | |
| LastConvPeriod | | | | | .037d | | .584 | | | | .560 | | | .042 | | | | .994 | | | | |
| NumAnim‎‎ | | | | | .154d | | 2.358 | | | | .019 | | | .166 | | | | .897 | | | | |
| CrimRe | | | | | .037d | | .569 | | | | .570 | | | .041 | | | | .950 | | | | |
| 4 | NumConv | | | | | .034e | | .528 | | | | .598 | | | .038 | | | | .908 | | | | |
| LastConvPeriod | | | | | .043e | | .696 | | | | .487 | | | .050 | | | | .992 | | | | |
| CrimRe | | | | | .039e | | .618 | | | | .537 | | | .044 | | | | .949 | | | | |
| a. Dependent Variable: PunishQuot | | | | | | | | | | | | | | | | | | | | | | | |
| b. Predictors in the Model: (Constant), Act01 | | | | | | | | | | | | | | | | | | | | | | | |
| c. Predictors in the Model: (Constant), Act01, Type2 | | | | | | | | | | | | | | | | | | | | | | | |
| d. Predictors in the Model: (Constant), Act01, Type2, Effects01 | | | | | | | | | | | | | | | | | | | | | | | |
| e. Predictors in the Model: (Constant), Act01, Type2, Effects01, NumAnim‎‎ | | | | | | | | | | | | | | | | | | | | | | | |

**Table 34**

H0: It is not possible to describe changes in the severity of punishment for killing or mistreating an animal without particular cruelty as a function of model variables such as killing or mistreating an animal with/without particular cruelty, effects on the injured animal, the number of injured animals, a question whether the offender had a previous criminal record.

**H1: It is possible to describe changes in the severity of punishment for killing or mistreating an animal without particular cruelty depending on model variables such as killing or mistreating an animal with/without particular cruelty, effects on the injured animal, the number of injured animals, a question whether the offender had a previous criminal record.**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Model Summary** | | | | | |
| Act2 | Model | R | R Square | Adjusted R Square | Std. Error of the Estimate |
| Without | 1 | .225a | .051 | .045 | 190.15320 |
| 2 | .318b | .101 | .091 | 185.55888 |
| 3 | .366c | .134 | .119 | 182.67233 |
| 4 | .398d | .158 | .139 | 180.62095 |
| a. Predictors: (Constant), Type2 | | | | | |
| b. Predictors: (Constant), Type2, Effects01 | | | | | |
| c. Predictors: (Constant), Type2, Effects01, NumAnim‎‎ | | | | | |
| d. Predictors: (Constant), Type2, Effects01, NumAnim‎‎, CrimRe | | | | | |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **ANOVAa** | | | | | | | |
| Act2 | Model | | Sum of Squares | df | Mean Square | F | Sig. |
| Without | 1 | Regression | 337509.212 | 1 | 337509.212 | 9.334 | .003b |
| Residual | 6327691.918 | 175 | 36158.240 |  |  |
| Total | 6665201.130 | 176 |  |  |  |
| 2 | Regression | 674016.201 | 2 | 337008.100 | 9.788 | .000c |
| Residual | 5991184.929 | 174 | 34432.097 |  |  |
| Total | 6665201.130 | 176 |  |  |  |
| 3 | Regression | 892332.995 | 3 | 297444.332 | 8.914 | .000d |
| Residual | 5772868.135 | 173 | 33369.180 |  |  |
| Total | 6665201.130 | 176 |  |  |  |
| 4 | Regression | 1053885.861 | 4 | 263471.465 | 8.076 | .000e |
| Residual | 5611315.269 | 172 | 32623.926 |  |  |
| Total | 6665201.130 | 176 |  |  |  |
| a. Dependent Variable: PunishQuot | | | | | | | |
| b. Predictors: (Constant), Type2 | | | | | | | |
| c. Predictors: (Constant), Type2, Effects01 | | | | | | | |
| d. Predictors: (Constant), Type2, Effects01, NumAnim‎‎ | | | | | | | |
| e. Predictors: (Constant), Type2, Effects01, NumAnim‎‎, CrimRe | | | | | | | |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Coefficientsa** | | | | | | | |
| Act2 | Model | | Unstandardized Coefficients | | Standardized Coefficients | t | Sig. |
| B | Std. Error | Beta |
| Without | 1 | (Constant) | 356.742 | 43.475 |  | 8.206 | .000 |
| Type2 | -99.567 | 32.589 | -.225 | -3.055 | .003 |
| 2 | (Constant) | 288.776 | 47.671 |  | 6.058 | .000 |
| Type2 | -110.022 | 31.977 | -.249 | -3.441 | .001 |
| Effects01 | 104.829 | 33.533 | .226 | 3.126 | .002 |
| 3 | (Constant) | 295.801 | 47.010 |  | 6.292 | .000 |
| Type2 | -133.749 | 32.818 | -.302 | -4.075 | .000 |
| Effects01 | 121.990 | 33.686 | .263 | 3.621 | .000 |
| NumAnim‎‎ | 1.665 | .651 | .191 | 2.558 | .011 |
| 4 | (Constant) | 266.704 | 48.286 |  | 5.523 | .000 |
| Type2 | -122.477 | 32.843 | -.277 | -3.729 | .000 |
| Effects01 | 116.859 | 33.387 | .252 | 3.500 | .001 |
| NumAnim‎‎ | 1.691 | .644 | .194 | 2.626 | .009 |
| CrimRe | 69.028 | 31.020 | .158 | 2.225 | .027 |
| a. Dependent Variable: PunishQuot | | | | | | | |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Excluded Variablesa** | | | | | | | |
| Act2 | Model | | Beta In | t | Sig. | Partial Correlation | Collinearity Statistics |
| Tolerance |
| Without | 1 | NumConv | .131b | 1.771 | .078 | .133 | .975 |
| LastConvPeriod | .112b | 1.531 | .128 | .115 | .999 |
| NumAnim‎‎ | .137b | 1.812 | .072 | .136 | .932 |
| CrimRe | .171b | 2.318 | .022 | .173 | .975 |
| Effects01 | .226b | 3.126 | .002 | .231 | .989 |
| Regr01 | -.116b | -1.579 | .116 | -.119 | .993 |
| 2 | NumConv | .115c | 1.584 | .115 | .120 | .969 |
| LastConvPeriod | .103c | 1.436 | .153 | .109 | .998 |
| NumAnim‎‎ | .191c | 2.558 | .011 | .191 | .895 |
| CrimRe | .155c | 2.142 | .034 | .161 | .969 |
| Regr01 | -.110c | -1.527 | .129 | -.115 | .992 |
| 3 | NumConv | .113d | 1.575 | .117 | .119 | .969 |
| LastConvPeriod | .112d | 1.589 | .114 | .120 | .995 |
| CrimRe | .158d | 2.225 | .027 | .167 | .969 |
| Regr01 | -.113d | -1.592 | .113 | -.121 | .992 |
| 4 | NumConv | -.001e | -.013 | .990 | -.001 | .471 |
| LastConvPeriod | .009e | .095 | .924 | .007 | .524 |
| Regr01 | -.114e | -1.635 | .104 | -.124 | .992 |
| a. Dependent Variable: PunishQuot | | | | | | | |
| b. Predictors in the Model: (Constant), Type2 | | | | | | | |
| c. Predictors in the Model: (Constant), Type2, Effects01 | | | | | | | |
| d. Predictors in the Model: (Constant), Type2, Effects01, NumAnim‎‎ | | | | | | | |
| e. Predictors in the Model: (Constant), Type2, Effects01, NumAnim‎‎, CrimRe | | | | | | | |

**Table 35**

H0: It is not possible to describe changes in the severity of punishment depending on model variables such as killing or mistreating an animal with/without particular cruelty, effects on the injured animal, the number of injured animals, a question whether the convicted person regretted his or her act.

**H1: It is possible to describe changes in the severity of punishment depending on model variables such as killing or mistreating an animal with/without particular cruelty, effects on the injured animal, the number of injured animals, a question whether the convicted person regretted his or her act.**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Model Summary** | | | | | | | | |
| Model | | R | R Square | | Adjusted R Square | | Std. Error of the Estimate | |
| 1 | | .397a | .157 | | .153 | | 219.22198 | |
| 2 | | .441b | .194 | | .186 | | 214.91498 | |
| 3 | | .481c | .231 | | .220 | | 210.42778 | |
| 4 | | .503d | .253 | | .237 | | 208.03480 | |
| 5 | | .519e | .269 | | .250 | | 206.29815 | |
| a. Predictors: (Constant), Act01 | | | | | | | | |
| b. Predictors: (Constant), Act01, Type2 | | | | | | | | |
| c. Predictors: (Constant), Act01, Type2, Effects01 | | | | | | | | |
| d. Predictors: (Constant), Act01, Type2, Effects01, NumAnim‎‎ | | | | | | | | |
| e. Predictors: (Constant), Act01, Type2, Effects01, NumAnim‎‎, Regr01 | | | | | | | | |
|  | | | | | | | | |
| **ANOVAa** | | | | | | | | | | | |
| Model | | | | Sum of Squares | | df | | Mean Square | | F | Sig. |
| 1 | Regression | | | 1787018.957 | | 1 | | 1787018.957 | | 37.184 | .000b |
| Residual | | | 9563596.963 | | 199 | | 48058.276 | |  |  |
| Total | | | 11350615.920 | | 200 | |  | |  |  |
| 2 | Regression | | | 2205302.982 | | 2 | | 1102651.491 | | 23.873 | .000c |
| Residual | | | 9145312.939 | | 198 | | 46188.449 | |  |  |
| Total | | | 11350615.920 | | 200 | |  | |  |  |
| 3 | Regression | | | 2627485.211 | | 3 | | 875828.404 | | 19.779 | .000d |
| Residual | | | 8723130.710 | | 197 | | 44279.851 | |  |  |
| Total | | | 11350615.920 | | 200 | |  | |  |  |
| 4 | Regression | | | 2868034.626 | | 4 | | 717008.657 | | 16.567 | .000e |
| Residual | | | 8482581.294 | | 196 | | 43278.476 | |  |  |
| Total | | | 11350615.920 | | 200 | |  | |  |  |
| 5 | Regression | | | 3051625.469 | | 5 | | 610325.094 | | 14.341 | .000f |
| Residual | | | 8298990.452 | | 195 | | 42558.925 | |  |  |
| Total | | | 11350615.920 | | 200 | |  | |  |  |
| a. Dependent Variable: PunishQuot | | | | | | | | | | | |
| b. Predictors: (Constant), Act01 | | | | | | | | | | | |
| c. Predictors: (Constant), Act01, Type2 | | | | | | | | | | | |
| d. Predictors: (Constant), Act01, Type2, Effects01 | | | | | | | | | | | |
| e. Predictors: (Constant), Act01, Type2, Effects01, NumAnim‎‎ | | | | | | | | | | | |
| f. Predictors: (Constant), Act01, Type2, Effects01, NumAnim‎‎, Regr01 | | | | | | | | | | | |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Coefficientsa** | | | | | | |
| Model | | Unstandardized Coefficients | | Standardized Coefficients | t | Sig. |
| B | Std. Error | Beta |  |  |
| 1 | (Constant) | 231.299 | 16.478 |  | 14.037 | .000 |
| Act01 | 290.784 | 47.686 | .397 | 6.098 | .000 |
| 2 | (Constant) | 367.334 | 48.004 |  | 7.652 | .000 |
| Act01 | 271.721 | 47.176 | .371 | 5.760 | .000 |
| Type2 | -107.974 | 35.880 | -.194 | -3.009 | .003 |
| 3 | (Constant) | 293.305 | 52.763 |  | 5.559 | .000 |
| Act01 | 253.447 | 46.569 | .346 | 5.442 | .000 |
| Type2 | -119.300 | 35.322 | -.214 | -3.378 | .001 |
| Effects01 | 114.080 | 36.946 | .195 | 3.088 | .002 |
| 4 | (Constant) | 299.813 | 52.236 |  | 5.740 | .000 |
| Act01 | 254.806 | 46.043 | .348 | 5.534 | .000 |
| Type2 | -142.815 | 36.316 | -.256 | -3.933 | .000 |
| Effects01 | 130.991 | 37.223 | .224 | 3.519 | .001 |
| NumAnim‎‎ | 1.742 | .739 | .154 | 2.358 | .019 |
| 5 | (Constant) | 334.993 | 54.499 |  | 6.147 | .000 |
| Act01 | 250.287 | 45.710 | .342 | 5.476 | .000 |
| Type2 | -147.976 | 36.099 | -.265 | -4.099 | .000 |
| Effects01 | 128.674 | 36.929 | .220 | 3.484 | .001 |
| NumAnim‎‎ | 1.761 | .733 | .155 | 2.403 | .017 |
| Regr01 | -61.250 | 29.490 | -.128 | -2.077 | .039 |
| a. Dependent Variable: PunishQuot | | | | | | |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Excluded Variablesa** | | | | | | |
| Model | | Beta In | t | Sig. | Partial Correlation | Collinearity Statistics |
| Tolerance |
| 1 | Type2 | -.194b | -3.009 | .003 | -.209 | .982 |
| NumConv | .075b | 1.119 | .264 | .079 | .931 |
| LastConvPeriod | .051b | .774 | .440 | .055 | .996 |
| NumAnim‎‎ | .054b | .824 | .411 | .058 | .995 |
| CrimRe | .076b | 1.157 | .249 | .082 | .974 |
| Effects01 | .173b | 2.682 | .008 | .187 | .987 |
| Regr01 | -.118b | -1.817 | .071 | -.128 | .998 |
| 2 | NumConv | .047c | .702 | .484 | .050 | .910 |
| LastConvPeriod | .046c | .713 | .477 | .051 | .996 |
| NumAnim‎‎ | .110c | 1.664 | .098 | .118 | .931 |
| CrimRe | .049c | .757 | .450 | .054 | .954 |
| Effects01 | .195c | 3.088 | .002 | .215 | .976 |
| Regr01 | -.132c | -2.082 | .039 | -.147 | .993 |
| 3 | NumConv | .037d | .560 | .576 | .040 | .908 |
| LastConvPeriod | .037d | .584 | .560 | .042 | .994 |
| NumAnim‎‎ | .154d | 2.358 | .019 | .166 | .897 |
| CrimRe | .037d | .569 | .570 | .041 | .950 |
| Regr01 | -.126d | -2.023 | .044 | -.143 | .992 |
| 4 | NumConv | .034e | .528 | .598 | .038 | .908 |
| LastConvPeriod | .043e | .696 | .487 | .050 | .992 |
| CrimRe | .039e | .618 | .537 | .044 | .949 |
| Regr01 | -.128e | -2.077 | .039 | -.147 | .992 |
| 5 | NumConv | .043f | .666 | .506 | .048 | .904 |
| LastConvPeriod | .050f | .807 | .421 | .058 | .989 |
| CrimRe | .045f | .718 | .474 | .051 | .947 |
| a. Dependent Variable: PunishQuot | | | | | | |
| b. Predictors in the Model: (Constant), Act01 | | | | | | |
| c. Predictors in the Model: (Constant), Act01, Type2 | | | | | | |
| d. Predictors in the Model: (Constant), Act01, Type2, Effects01 | | | | | | |
| e. Predictors in the Model: (Constant), Act01, Type2, Effects01, NumAnim‎‎ | | | | | | |
| f. Predictors in the Model: (Constant), Act01, Type2, Effects01, NumAnim‎‎, Regr01 | | | | | | |