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Table 1: Table showing significant demographic influences on responses to the question “can animals experience the following emotions?” Significance of odds ratios: * $p < 0.0001$; ** $p < 0.005$; *** $p < 0.05$

| Can Animals Experience Emotions? | | | | | | | | | | | |
|------------------------------------|---------------------|----------------------|----------------------|--------------------------------|------------------------------------|-----------------|---------------------|-----------------------|-----------------|-----------------|-----------------------|
| Model Diagnostics | | | Demographic variable | | | | | | | | |
| Log-Likelihood P-Value | Pearson Chi-Squared | Deviance Chi-Squared | Question Response | Companion Animal Owner (n=695) | Non Companion Animal Owner (n=304) | Coefficient (Z) | Odds Ratio (CI) | Prevalence Ratio (CI) | | | |
| <0.0001 | 0.2 | 1 | Yes | 677 | 277 | | | | | | |
| | | | No | 12 | 15 | 2.77 | 3.37 (1.43-7.95)*** | 3.2 (1.4-7.1) | | | |
| | | | Don't know | 6 | 12 | 2.51 | 4.27 (1.37-13.3)*** | 4.2 (1.4-12.0) | | | |
| Can Animals Experience Depression? | | | | | | | | | | | |
| Model Diagnostics | | | Demographic variable | | | | | | | | |
| Log-Likelihood P-Value | Pearson Chi-Squared | Deviance Chi-Squared | Question Response | Companion Animal Owner (n=683) | Non Companion Animal Owner (n=289) | Coefficient (Z) | Odds Ratio (CI) | Prevalence Ratio (CI) | | | |
| <0.0001 | 0.62 | 0.6 | Yes | 507 | 175 | | | | | | |
| | | | No | 106 | 62 | 2.29 | 1.62 (1.07-2.46)*** | 1.5 (1.1-2.0) | | | |
| | | | Don't know | 70 | 52 | 2.39 | 1.74 (1.10-2.73)*** | 1.6 (1.1-2.3) | | | |
| | | | Age (mean ± std) | | | | | Coefficient (Z) | Odds Ratio (CI) | | |
| | | | Yes | 113.67±52.97 | | | | | | | |
| | | | No | 28±17.3 | | | -2.33 | 0.85 (0.74-0.98)*** | | | |
| | | | Don't know | 20.33±3.93 | | | 3.53 | 1.28 (1.12-1.47)* | | | |
| Can Animals Experience Love? | | | | | | | | | | | |
| Model Diagnostics | | | Demographic variable | | | | | | | | |
| Log-Likelihood P-Value | Pearson Chi-Squared | Deviance Chi-Squared | Question Response | Age (mean ± std) | | | Coefficient (Z) | Odds Ratio (CI) | | | |
| 0.002 | 0.198 | 1 | Yes | 137.17±55.86 | | | | | | | |
| | | | No | 16.5±9.79 | | | -2.17 | 0.83 (0.7-0.98)*** | | | |
| | | | Don't know | 8.33±3.88 | | | | | | | |
| | | | | | | Urban (n=258) | Suburban (n=691) | Rural (n=95) | Coefficient (Z) | Odds Ratio (CI) | Prevalence Ratio (CI) |
| | | | Yes | 204 | 541 | 78 | | | | | |
| | | | No | 39 | 48 | 12 | 2.35 | 1.79 (1.10-2.92)*** | 1.7 (1.1-2.5) | | |

| | | | | | | | | |
|--|---------------------|----------------------|-------------------|--------------------------------|------------------------------------|-----------------|---------------------|-----------------------|
| | | | Don't know | 15 | 30 | 5 | | |
| Can Animals Experience Distress? | | | | | | | | |
| Model Diagnostics | | | | Demographic variable | | | | |
| Log-Likelihood P-Value | Pearson Chi-Squared | Deviance Chi-Squared | Question Response | Companion Animal Owner (n=683) | Non Companion Animal Owner (n=289) | Coefficient (Z) | Odds Ratio (CI) | Prevalence Ratio (CI) |
| <0.0001 | 0.984 | 1 | Yes | 663 | 265 | | | |
| | | | No | 14 | 10 | | | |
| | | | Don't know | 6 | 14 | 3.21 | 5.83 (1.98-17.11)** | 5.3 (1.9-12.8) |
| | | | Age (mean ± std) | | | Coefficient (Z) | Odds Ratio (CI) | |
| | | | Yes | 154.67±60.41 | | | | |
| | | | No | 4±5.1 | | -2.7 | 0.47 (0.28-0.82)*** | |
| | | | Don't know | 3.33±2.94 | | -2.06 | 0.64 (0.41-0.98)** | |
| Can Animals Experience Happiness? | | | | | | | | |
| Model Diagnostics | | | | Demographic variable | | | | |
| Log-Likelihood P-Value | Pearson Chi-Squared | Deviance Chi-Squared | Question Response | Age (mean ± std) | | Coefficient (Z) | Odds Ratio (CI) | |
| 0.044 | 0.987 | 1 | Yes | 156.17±66.7 | | | | |
| | | | No | 2.67±2.5 | | | | |
| | | | Don't know | 3±1.41 | | 2.82 | 1.7 (1.18-2.46)** | |
| | | | Age (mean ± std) | | | Coefficient (Z) | Odds Ratio (CI) | |
| Can Animals Experience Anxiety? | | | | | | | | |
| Model Diagnostics | | | | Demographic variable | | | | |
| Log-Likelihood P-Value | Pearson Chi-Squared | Deviance Chi-Squared | Question Response | Companion Animal Owner (n=683) | Non Companion Animal Owner (n=289) | Coefficient (Z) | Odds Ratio (CI) | Prevalence Ratio (CI) |
| <0.0001 | 0.996 | 1 | Yes | 624 | 223 | | | |
| | | | No | 36 | 31 | 3.88 | 2.98(1.72-5.16)* | 2.7 (1.7-4.6) |
| | | | Don't know | 23 | 35 | 4.12 | 3.76 (2-7.07)* | 3.4 (1.9-5.8) |
| | | | Age (mean ± std) | | | Coefficient (Z) | Odds Ratio (CI) | |
| | | | Yes | 141.75±55.81 | | | | |
| | | | No | 11.17±10.68 | | -3.08 | 0.72 (0.59-0.89)** | |
| | | | Don't know | 9.67±2.73 | | | | |

| Can Animals Experience Sadness? | | | | | | |
|---------------------------------|---------------------|----------------------|----------------------|------------------|-----------------|-----------------|
| Model Diagnostics | | | Demographic variable | | | |
| Log-Likelihood P-Value | Pearson Chi-Squared | Deviance Chi-Squared | Question Response | Age (mean ± std) | Coefficient (Z) | Odds Ratio (CI) |
| <0.0001 | 0.892 | 1 | Yes | 149.67±67.12 | | |
| | | | No | 8.17±4.96 | | |
| | | | Don't know | 4.17±3.66 | 4.63 | 2 (1.49-2.68)* |

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Table 3: Table showing significant demographic influences on responses to the question “how are each of the following behaviours affected by grief in animals – is there a change or is there no change?” Significance of odds ratios: * $p < 0.0001$; ** $p < 0.005$; *** $p < 0.05$

| Will There Be A Change To Eating Behaviour When An Animal Grieves? | | | | | | | | | |
|--|---------------------|----------------------|----------------------|--------------------------------|------------------------------------|-----------------|---------------------|----------------------|-----------------------|
| Model Diagnostics | | | Demographic variable | | | | | | |
| Log-Likelihood P-value | Pearson Chi-Squared | Deviance Chi-Squared | Question Response | Companion Animal Owner (n=640) | Non Companion Animal Owner (n=261) | | Coefficient (Z) | Odds Ratio (CI) | Prevalence Ratio (CI) |
| 0.002 | 0.784 | 1 | Yes | 607 | 228 | | | | |
| | | | No | 29 | 22 | | 2.3 | 2.22 (1.13-4.37)*** | 2.1 (1.12-3.79) |
| | | | Don't know | 4 | 11 | | 2.13 | 3.94 (1.11-13.94)*** | 3.9 (1.11-12.85) |
| | | | | Urban (n=237) | Suburban (n=578) | Rural (n=86) | Coefficient (Z) | Odds Ratio (CI) | Prevalence Ratio (CI) |
| | | | Yes | 220 | 538 | 77 | | | |
| | | | No | 11 | 31 | 9 | 2.39 | 3.53 (1.26-9.94)*** | 3.2 (1.24-6.67) |
| | | | Don't know | 6 | 9 | 0 | | | |
| Will There Be A Change To Play Behaviour When An Animal Grieves? | | | | | | | | | |
| Model Diagnostics | | | Demographic variable | | | | | | |
| Log-Likelihood P-value | Pearson Chi-Squared | Deviance Chi-Squared | Question Response | Companion Animal Owner (n=640) | Non Companion Animal Owner (n=261) | | Coefficient (Z) | Odds Ratio (CI) | Prevalence Ratio (CI) |
| 0.008 | 0.981 | 1 | Yes | 609 | 236 | | | | |
| | | | No | 23 | 15 | | | | |
| | | | Don't know | 8 | 10 | | 2.08 | 3.03 (1.07-8.64)*** | 3.0 (1.07-6.67) |
| | | | | Urban (n=237) | Suburban (n=578) | Rural (n=86) | Coefficient (Z) | Odds Ratio (CI) | Prevalence Ratio (CI) |
| | | | Yes | 218 | 548 | 79 | | | |
| | | | No | 14 | 17 | 7 | 2.56 | 3.79 (1.36-10.51)*** | 3.4 (1.34-7.67) |
| | | | Don't know | 5 | 13 | 0 | | | |
| Will There Be A Change To The Performance of Vocalisations When An Animal Grieves? | | | | | | | | | |
| Model Diagnostics | | | Demographic variable | | | | | | |
| Log-Likelihood P-value | Pearson Chi-Squared | Deviance Chi-Squared | Question Response | Age (mean \pm std) | | Coefficient (Z) | Odds Ratio (CI) | | |
| 0.038 | 0.248 | 1 | Yes | 132 \pm 58.38 | | | | | |
| | | | No | 12.67 \pm 7.99 | | | | | |
| | | | Don't know | 5.5 \pm 1.22 | | 2.39 | 1.35 (1.06-1.72)*** | | |
| Will There Be A Change To Attention-Seeking Behaviour When An Animal Grieves? | | | | | | | | | |

| Model Diagnostics | | | Demographic variable | | | | | | | | |
|--|---------------------|----------------------|----------------------|--------------------------------|------------------------------------|------------------|------------------|---------------------|-----------------------|---------------------|-----------------------|
| Log-Likelihood P-value | Pearson Chi-Squared | Deviance Chi-Squared | Question Response | Companion Animal Owner (n=640) | Non Companion Animal Owner (n=261) | | Coefficient (Z) | Odds Ratio (CI) | Prevalence Ratio (CI) | | |
| 0.007 | 0.639 | 1 | Yes | 557 | 211 | | | | | | |
| | | | No | 62 | 25 | | | | | | |
| | | | Don't know | 21 | 25 | | 2.77 | 2.56 (1.32-4.99)** | 2.4 (1.3-4.36) | | |
| | | | | | | Age (mean ± std) | | | Coefficient (Z) | Odds Ratio (CI) | |
| | | | Yes | | | | 128±60.36 | | | | |
| | | | No | | | | 14.5±8.34 | | | | |
| | | | Don't know | | | | 7.67±1.63 | | 2.55 | 1.31 (1.06-1.61)*** | |
| Will There Be A Change To Sleeping Behaviour When An Animal Grieves? | | | | | | | | | | | |
| Model Diagnostics | | | Demographic variable | | | | | | | | |
| Log-Likelihood P-value | Pearson Chi-Squared | Deviance Chi-Squared | Question Response | Age (mean ± std) | | | Coefficient (Z) | Odds Ratio (CI) | | | |
| <0.0001 | 0.351 | 0.993 | Yes | 116.67±60.65 | | | | | | | |
| | | | No | 13.33±5.24 | | | | | | | |
| | | | Don't know | 20.17±10.4 | | | 5.02 | 1.52 (1.29-1.80)* | | | |
| Will There Be A Change To Hiding Behaviour When An Animal Grieves? | | | | | | | | | | | |
| Model Diagnostics | | | Demographic variable | | | | | | | | |
| Log-Likelihood P-value | Pearson Chi-Squared | Deviance Chi-Squared | Question Response | Age (mean ± std) | | | Coefficient (Z) | Odds Ratio (CI) | | | |
| 0.023 | 0.581 | 1 | Yes | 122.67±59.45 | | | | | | | |
| | | | No | 18.17±8.47 | | | | | | | |
| | | | Don't know | 9.33±3.39 | | | 3.15 | 1.35 (1.12-1.62)** | | | |
| | | | | | | Urban (n=237) | Suburban (n=578) | Rural (n=86) | Coefficient (Z) | Odds Ratio (CI) | Prevalence Ratio (CI) |
| | | | Yes | 184 | 485 | 67 | | | | | |
| | | | No | 38 | 57 | 14 | 2.38 | 1.80 (1.11-3.75)*** | 1.6 (1.1-2.84) | | |
| | | | Don't know | 15 | 36 | 5 | | | | | |

Table 4: Table showing significant demographic influences on responses to the questions “in which of the following situations do you believe social animals grieve?” Significance of odds ratios: * $p < 0.0001$; ** $p < 0.005$; *** $p < 0.05$

| Separation of Related Individuals | | | | | | | | | |
|-----------------------------------|---------------------|----------------------|----------------------|------------------|--|--|-----------------|-----------------|--|
| Model Diagnostics | | | Demographic variable | | | | | | |
| Log-Likelihood P-value | Pearson Chi-Squared | Deviance Chi-Squared | Question Response | Age (mean ± std) | | | Coefficient (Z) | Odds Ratio (CI) | |

| | | | | | | | | | |
|--|---------------------|----------------------|-----------------------------|--------------------------------|------------------------------------|--------------|-----------------|---------------------|-----------------------|
| 0.04 | 0.914 | 1 | Yes | 116.3±51.7 | | | | | |
| | | | No | 9.5±3.6 | | | -2 | 0.86 (0.75-1)*** | |
| | | | Don't know | 24.3±15 | | | | | |
| Separation of Animals Living Together | | | | | | | | | |
| Model Diagnostics | | | Demographic variable | | | | | | |
| Log-Likelihood P-value | Pearson Chi-Squared | Deviance Chi-Squared | Question Response | Companion Animal Owner (n=640) | Non Companion Animal Owner (n=261) | | Coefficient (Z) | Odds Ratio (CI) | Prevalence Ratio (CI) |
| 0.001 | 0.923 | 0.998 | Yes | 501 | 184 | | | | |
| | | | No | 93 | 40 | | | | |
| | | | Don't know | 46 | 37 | | 2.38 | 1.88 (1.22-1.39)*** | 1.8 (1.2-1.35) |
| | | | | Age (mean ± std) | | | Coefficient (Z) | Odds Ratio (CI) | |
| | | | Yes | 114.2±54 | | | | | |
| | | | No | 13.8±4.6 | | | | | |
| | | | Don't know | 22.2±10.9 | | | 2.1 | 1.18 (1.12-1.39)*** | |
| Loss of a Mating Partner | | | | | | | | | |
| Model Diagnostics | | | Demographic variable | | | | | | |
| Log-Likelihood P-value | Pearson Chi-Squared | Deviance Chi-Squared | Question Response | Age (mean ± std) | | | Coefficient (Z) | Odds Ratio (CI) | |
| 0.005 | 0.826 | 1 | Yes | 138.8±59.1 | | | | | |
| | | | No | 4.8±1.6 | | | -1.99 | 0.74 (0.55-1)*** | |
| | | | Don't know | 8.7±8.7 | | | | | |
| | | | | Urban (n=237) | Suburban (n=578) | Rural (n=86) | Coefficient (Z) | Odds Ratio (CI) | Prevalence Ratio (CI) |
| | | | Yes | 219 | 537 | 77 | | | |
| | | | No | 6 | 27 | 6 | | | |
| | | | Don't know | 12 | 14 | 3 | 2.15 | 2.56 (1.09-6.04)*** | 2.1 (1.09-5.32) |