# Tables – where the wild dogs are

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| **Table 1.** Estimates for the parameters included in the top model set (ΔAICc < 5) for each response variable during morning hunts. Interactions are denoted by ":", and bolded terms indicate significant variables (i.e., 95% CI do not overlap zero). Relative importance of each parameter is shown along with the number of models in the top model set that contain each variable (n). | | | | | |
| **Response** | **Parameter** | **Estimate** | **Lower**  **95% CI** | **Upper**  **95% CI** | **Variable**  **Importance (n)** |
| Occurrence | Intercept | 0.80 | 0.77 | 0.83 | — (1) |
| **Moonlight before** | **-0.0097** | **-0.011** | **-0.0079** | **1.00 (1)** |
| Duration  (minutes) | Intercept | 220.057 | 198.78 | 241.33 | — (4) |
| Denning (Yes) | -57.48 | -137.38 | 22.41 | 1.00 (4) |
| **Temperature (°C)** | **-1.33** | **-2.0066** | **-0.66** | **0.88 (3)** |
| Moonlight before | 0.054 | -0.24 | 0.35 | 0.68 (2) |
| Rainfall (mm) | -2.97 | -6.31 | 0.36 | 0.60 (1) |
| Rainfall:Temperature | 0.13 | 0.0040 | 0.25 | 0.60 (1) |
| **Denning:Temperature** | **5.015** | **2.83** | **7.19** | **0.58 (1)** |
| Intensity | Intercept | 51.43 | 46.78 | 56.076 | **— (3)** |
| **Denning (Yes)** | **1.56** | **0.14** | **0.16** | **0.89 (2)** |
| **Temperature (°C)** | **-0.26** | **-0.38** | **-0.14** | **0.57 (2)** |
| Start | Intercept | 06:31:41 | 06:24:07 | 06:39:14 | * (1) |
| **Denning (Yes)** | **-00:07:46** | **-00:06:14** | **-00:09:18** | **1(1)** |
| **Temperature (°C)** | **-00:01:15** | **-00:01:01** | **-00:01:29** | **0.99(1)** |
| Stop | Intercept | 09:54:52 | 09:20:48 | 10:28:56 | * (3) |
| **Temperature (°C)** | **-00:02:28** | **-00:01:53** | **-00:03:03** | **0.72(2)** |
| **Denning (Yes)** | **00:13:25** | **00:09:37** | **00:17:14** | **0.57(2)** |

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| **Table 2.** Estimates for the parameters included in the top model set (ΔAICc < 5) for each response variable during evening hunts. Interactions are denoted by ":", and bolded terms indicate significant variables (i.e., 95% CI do not overlap zero). Relative importance of each parameter is shown along with the number of models in the top model set that contain each variable (n). | | | | | |
| **Response** | **Parameter** | **Estimate** | **Lower**  **95% CI** | **Upper**  **95% CI** | **Variable**  **Importance (n)** |
| Occurrence | Intercept | 1.21 | 1.08 | 1.35 | — (2) |
| **Moonlight** | **-0.0098** | **-0.012** | **-0.0079** | **1.00 (2)** |
| **Temperature (°C)** | **-0.017** | **-0.021** | **-0.013** | **0.97 (2)** |
|  | Denning (Yes) | 0.042 | 0.016 | 0.069 | 0.08 (1) |
| Duration  (minutes) | Intercept | 226.49 | 213.95 | 239.035 | — (2) |
| **Temperature (°C)** | **-3.011** | **-3.45** | **-2.57** | **1.00 (2)** |
| **Moonlight** | **-1.84** | **-2.063** | **-1.62** | **1.00 (2)** |
| Moonrise | -0.0063 | -0.12 | 0.11 | 1.00 (2) |
| Denning (Yes) | 7.43 | -18.14 | 33.0026 | 1.00 (2) |
| Rainfall (mm) | -0.14 | -2.30 | 2.16 | 0.20 (1) |
| Rainfall:Temperature | 0.013 | -0.071 | 0.098 | 0.20 (1) |
| Denning:Temperature | 2.04 | 0.50 | 3.58 | 0.15 (1) |
| Intensity | Intercept | 62.98 | 46.78 | 56.076 | — (4) |
| **Temperature (°C)** | **-0.83** | **-0.96** | **-0.70** | **1.00 (4)** |
| Denning (Yes) | 7.50 | 2.55 | 12.45 | 1.00 (4) |
| **Moonlight** | **-0.21** | **-0.27** | **-0.15** | **0.45 (3)** |
| Moonrise | -0.0057 | -0.038 | 0.027 | 0.45 (3) |
| Rainfall (mm) | -1.14 | -2.04 | -0.78 | 0.14 (1) |
| Rainfall:Temperature | 0.058 | 0.034 | 0.082 | 0.14 (1) |
| Denning:Temperature | -0.58 | -1.01 | -0.13 | 0.07 (1) |
| Start | Intercept | 15:43:55 | 15:34:49 | 15:53:01 | * (2) |
| **Temperature (°C)** | **00:03:30** | **00:03:11** | **00:03:49** | **1.00 (2)** |
| **Denning (Yes)** | **-00:10:49** | **-00:08:52** | **-00:09:18** | **1.00 (2)** |
| **Moonlight** | **00:01:01** | **00:00:52** | **00:01:10** | **0.90 (1)** |
| Moonrise | -00:00:01 | -00:00:05 | 00:00:05 | 0.90 (1) |
| Stop | Intercept | 19:42:14 | 19:38:50 | 19:45:39 | * (2) |
| **Denning (Yes)** | **00:13:25** | **00:09:37** | **00:17:14** | **0.55(1)** |
| **Moonlight** | **00:00:52** | **00:00:43** | **00:01:02** | **0.44(1)** |
| Moonrise | 00:00:01 | -00:00:04 | 00:00:06 | 0.44(1) |

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| **Table 3.** Estimates for the parameters included in the top model set (ΔAICc < 5) for each response variable during night-time hunts. Interactions are denoted by ":", and bolded terms indicate significant variables (i.e., 95% CI do not overlap zero). Relative importance of each parameter is shown along with the number of models in the top model set that contain each variable (n). | | | | | |
| **Response** | **Parameter** | **Estimate** | **Lower**  **95% CI** | **Upper**  **95% CI** | **Variable**  **Importance (n)** |
| Occurrence | Intercept | -0.41 | -0.52 | -0.30 | — (2) |
| **Temperature** | **0.019** | **0.016** | **0.023** | **1.00 (2)** |
| **Moonlight** | **0.031** | **0.028** | **0.033** | **1.00 (2)** |
| Denning | -0.069 | -0.094 | -0.044 | 0.52 (1) |
| Duration  (minutes) | Intercept | 80.69 | 47.72 | 113.66 | — (4) |
| **Moonlight** | **5.59** | **5.00** | **6.18** | **1.00 (4)** |
| **Moonrise** | **0.83** | **0.42** | **1.25** | **1.00 (4)** |
| Denning (Yes) | 102.12 | -52.87 | 257.11 | 0.94 (4) |
| Temperature (°C) | 0.71 | -0.55 | 1.97 | 0.79 (3) |
| Rainfall (mm) | -0.54 | -7.66 | 6.57 | 0.53 (2) |
| Rainfall:Temperature | 0.004 | -0.27 | 0.27 | 0.51 (1) |
| Denning:Temperature | -7.42 | -13.76 | -1.10 | 0.47 (2) |
| Intensity | Intercept | 28.51 | 20.67 | 36.36 | — (4) |
| **Moonlight** | **0.86** | **0.75** | **0.98** | **1.00 (4)** |
| Moonrise | -0.011 | -0.10 | -0.072 | 1.00 (4) |
| Denning (Yes) | 1.82 | -3.17 | 6.84 | 0.75 (2) |
| **Temperature (°C)** | **0.42** | **0.18** | **0.66** | **0.52 (2)** |
| Start | Intercept | 15:52:55 | 09:34:32 | 22:11:08 | * (2) |
| **Moonrise** | **00:24:22** | **00:20:30** | **00:24:22** | **1.00 (2)** |
| Moonlight | -00:05:15 | -00:10:38 | 00:00:08 | 1.00 (2) |
| **Temperature (°C)** | **-00:29:38** | **-00:18:57** | **-00:40:20** | **0.22 (1)** |
| Stop | Intercept | 09:14:33 | 06:28:31 | 12:00:35 | * (3) |
| **Moonlight** | **-00:24:17** | **-00:20:20** | **-00:28:14** | **1.00 (3)** |
| Moonrise | 00:03:22 | 00:00:31 | 00:06:12 | 1.00 (3) |
| **Denning (Yes)** | **02:22:25** | **01:11:11** | **03:33:39** | **0.25 (1)** |
|  | **Temperature** | **00:19:04** | **00:11:10** | **00:26:57** | **0.08 (1)** |

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| **Table 4.** Estimates for the parameters included in the top model set (ΔAICc < 5) for each response variable for impala. Interactions are denoted by ":", and bolded terms indicate significant variables (i.e., 95% CI do not overlap zero). Relative importance of each parameter is shown along with the number of models in the top model set that contain each variable (n). | | | | | |
| **Response** | **Parameter** | **Estimate** | **Lower**  **95% CI** | **Upper**  **95% CI** | **Variable**  **Importance (n)** |
| Distance to glades (24h) | Intercept | 0.15 | 0.1 | 0.2 | — (1) |
| **Part of Day (Morning)** | **0.025** | **0.02** | **0.03** | **1.00 (1)** |
| **Part of Day (Evening)** | **0.034** | **0.03** | **0.04** | **1.00 (1)** |
| **Part of Day (Night)** | **0.019** | **0.01** | **0.02** | **1.00 (1)** |
| Distance to glades (morning) | Intercept | 0.22 | 0.2 | 0.3 | * (2) |
| **Temperature** | **-0.0040** | **-0.005** | **-0.003** | **0.53 (1)** |
|  | **Season (Wet)** | **0.014** | **0.008** | **0.02** | **0.47 (1)** |
| Distance to glades (day) | Intercept | 0.21 | 0.1 | 0.3 | * (2) |
| **Temperature** | **-0.0032** | **-0.004** | **-0.002** | **0.57(1)** |
| Season (Wet) | 0.0099 | 0.005 | 0.02 | 0.42(1) |
| Distance to glades (evening) | Intercept | 0.19 | 0.1 | 0.2 | * (3) |
| Moonlight | -0.0034 | -0.01 | 0.004 | 0.50 (1) |
| Season (Wet) | -0.0022 | -0.007 | 0.003 | 0.40 (1) |
| Temperature | -0.00012 | -0.0007 | 0.0005 | 0.09 (1) |
| Distance to glades (night) | Intercept | 0.25 | 0.2 | 0.3 | * (3) |
| **Temperature** | **-0.0028** | **-0.005** | **-0.0005** | **0.69 (1)** |
| Season (Wet) | 0.0018 | -0.003 | 0.007 | 0.19 (1) |
| Moonlight | -0.0014 | -0.006 | 0.003 | 0.14 (1) |
| In glades (24h) | Intercept | 0.039 | 0.022 | 0.055 | — (1) |
| **Part of Day (Morning)** | **0.061** | **0.06** | **0.07** | **1.00 (1)** |
| **Part of Day (Evening)** | **-0.0091** | **-0.01** | **-0.005** | **1.00 (1)** |
| **Part of Day (Night)** | **0.19** | **0.18** | **0.20** | **1.00 (1)** |
| In glades (morning) | Intercept | 0.032 | 0.02 | 0.05 | — (4) |
| Season (Wet) | -0.0049 | -0.03 | 0.02 | 0.63 (1) |
| Temperature | -0.000069 | -0.001 | 0.001 | 0.14(1) |
| Moonlight | 0.00033 | -0.0000007 | 0.00066 | 0.11 (1) |
| Rainfall | 0.00022 | 0.00006 | 0.0004 | 0.09 (1) |
| In glades (day) | Intercept | 0.033 | 0.02 | 0.04 | * (1) |
| **Season (Wet)** | **0.0057** | **0.003** | **0.009** | **0.92 (1)** |
| In glades (evening) | Intercept | 0.097 | 0.07 | 0.12 | * (4) |
| Season (Wet) | 0.0043 | -0.001 | 0.01 | 0.52 (1) |
| Rainfall | -0.00072 | -0.001 | -0.0003 | 0.21 (1) |
| Moonlight | 0.0010 | 0.0003 | 0.001 | 0.14 (1) |
| Temperature | -0.0011 | -0.002 | 0.0003 | 0.13 (1) |
| In glades (night) | Intercept | 0.26 | -0.007 | 0.03 | * (1) |
| **Moonlight** | **-0.072** | **-0.08** | **-0.06** | **1.00 (1)** |
| **Rainfall** | **-0.0025** | **-0.003** | **-0.002** | **0.94 (1)** |
| **Temperature** | **0.0057** | **0.004** | **0.008** | **0.06 (1)** |
| Woody cover (24h) | Intercept | 0.080 | 0.06 | 0.10 | - (3) |
| **Part of Day (Morning)** | **0.017** | **0.01** | **0.02** | **1.00 (3)** |
| **Part of Day (Evening)** | **-0.0028** | **-0.004** | **-0.002** | **1.00 (3)** |
| **Part of Day (Night)** | **-0.039** | **-0.04** | **-0.38** | **1.00 (3)** |
| Season (Wet) | -0.0020 | -0.004 | -0.0004 | 0.93 (2) |
| **Temperature** | **0.00098** | **0.0007** | **0.001** | **0.7 (1)** |
| Woody cover (morning) | Intercept | 0.048 | 0.03 | 0.06 | * (1) |
| **Temperature** | **0.0018** | **0.001** | **0.002** | **0.98 (1)** |
| Woody cover (day) | Intercept | 0.076 | 0.06 | 0.09 | * (1) |
| **Temperature** | **0.0014** | **0.001** | **0.002** | **1.00 (1)** |
| Woody cover (evening) | Intercept | 0.091 | 0.09 | 0.1 | * (2) |
| Season (Wet) | -0.0021 | -0.004 | -0.0006 | 0.73 (1) |
| Temperature | 0.00051 | 0.0001 | 0.0008 | 0.2 (1) |
| Woody cover (night) | Intercept | 0.057 | 0.05 | 0.06 | * (1) |
| Rainfall | 0.00024 | -0.0001 | 0.0006 | 0.86 (1) |

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| **Table 5.** Estimates for the parameters included in the top model set (ΔAICc < 5) for each response variable for dikdik. Interactions are denoted by ":", and bolded terms indicate significant variables (i.e., 95% CI do not overlap zero). Relative importance of each parameter is shown along with the number of models in the top model set that contain each variable (n). | | | | | |
| **Response** | **Parameter** | **Estimate** | **Lower**  **95% CI** | **Upper**  **95% CI** | **Variable**  **Importance (n)** |
| Distance to glades (24h) | Intercept | 0.13 | 0.06 | 0.2 | — (1) |
| **Rainfall (mm)** | **-0.0030** | **-0.004** | **-0.002** | **1.00 (1)** |
| Distance to glades (day) | Intercept | 0.12 | 0.04 | 0.2 | * (1) |
| **Rainfall (mm)** | **-0.0039** | **-0.005** | **-0.003** | **0.99(1)** |
| Distance to glades (crepuscular) | Intercept | 0.13 | 0.04 | 0.2 | * (1) |
|  | **Rainfall (mm)** | **-0.0025** | **-0.003** | **-0.002** | **0.99(1)** |
| Distance to glades (night) | Intercept | 0.12 | 0.05 | 0.2 | * (2) |
| Rainfall (mm) | -0.0030 | -0.005 | -0.001 | 0.91(2) |
| Moonlight | -0.017 | -0.04 | 0.002 | 0.50 (2) |
| In glades (24h) | Intercept | 0.030 | 0.02 | 0.04 | — (1) |
| Season (Wet) | -0.015 | -0.02 | -0.006 | 0.96 (1) |
| In glades (day) | Intercept | 0.018 | 0.008 | 0.03 | (1) |
| Season (Wet) | -0.0096 | -0.02 | -0.002 | 0.90(1) |
| In glades (crepuscular) | Intercept | 0.024 | 0.002 | 0.05 | * (3) |
| Season (Wet) | -0.010 | -0.02 | 0.002 | 0.80(1) |
| Temperature | 0.00060 | -0.001 | 0.002 | 0.08 (1) |
| Moonlight | -0.001 | -0.002 | 0.0004 | 0.08 (1) |
| In glades (night) | Intercept | 0.012 | -0.007 | 0.03 | * (1) |
| **Moonlight** | **0.042** | **0.03** | **0.05** | **0.97(1)** |
| Woody cover (24h) | Intercept | 0.12 | 0.10 | 0.14 | - (1) |
| **Season (Wet)** | **0.009** | **0.005** | **0.01** | **0.94 (1)** |
| Woody cover (day) | Intercept | 0.12 | 0.1 | 0.2 | * (4) |
| Season (Wet) | -0.00019 | -0.006 | 0.006 | 0.59 (1) |
| Moonlight | 0.00087 | 0.0003 | 0.001 | 0.21 (1) |
| Rain (mm) | 0.00051 | 0.0002 | 0.0009 | 0.10 (1) |
| Temperature | 0.00042 | -0.0004 | 0.001 | 0.09 (1) |
| Woody cover (crepuscular) | Intercept | 0.12 | 0.1 | 0.2 | * (2) |
| Season (Wet) | 0.0055 | -0.0004 | 0.01 | 0.78 (1) |
| Temperature | -0.00077 | -0.001 | 0.000003 | 0.11 (1) |
| Woody cover (night) | Intercept | 0.13 | 0.1 | 0.2 | * (2) |
| **Moonlight** | **-0.022** | **-0.03** | **-0.01** | **0.71 (1)** |
| **Season (Wet)** | **0.023** | **0.02** | **0.03** | **0.32 (1)** |

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| **Table 6.** Estimates for the parameters included in the top model set (ΔAICc < 5) for each response variable for wild dog hunts. Interactions are denoted by ":", and bolded terms indicate significant variables (i.e., 95% CI do not overlap zero). Relative importance of each parameter is shown along with the number of models in the top model set that contain each variable (n). | | | | | |
| **Response** | **Parameter** | **Estimate** | **Lower**  **95% CI** | **Upper**  **95% CI** | **Variable**  **Importance (n)** |
| Distance to glades (24h) | Intercept | 0.58 | 0.5 | 0.6 | — (1) |
| **Pack size** | **-0.012** | **-0.01** | **-0.02** | **0.9 (1)** |
| Distance to glades (crepuscular) | Intercept | 0.58 | 0.5 | 0.6 | * (2) |
| **Pack Size** | **-0.013** | **-0.02** | **-0.006** | **0.88(1)** |
| Denning (Yes) | 0.053 | 0.03 | 0.08 | 0.10 (1) |
| Distance to glades (night) | Intercept | 0.55 | 0.4 | 0.7 | * (5) |
| **Pack Size** | **-0.020** | **-0.03** | **-0.01** | **0.67(2)** |
| Moonlight | 0.064 | 0.03 | 0.1 | 0.27 (2) |
| Denning (Yes) | -0.051 | -0.004 | -0.1 | 0.11 (1) |
| Season (Wet) | -0.039 | -0.08 | -0.001 | 0.08 (1) |
| Woody cover (24h) | Intercept | 0.15 | 0.1 | 0.2 | - (1) |
| **Status (Denning)** | **-0.047** | **-0.06** | **-0.04** | **1.00 (1)** |
| Woody cover (crepuscular) | Intercept | 0.16 | 0.1 | 0.2 | - (1) |
| **Status (Denning)** | **-0.036** | **-0.05** | **-0.02** | **1.00 (1)** |
| Woody cover (night) | Intercept | 0.15 | 0.1 | 0.2 | - (1) |
| **Status (Denning)** | **-0.12** | **-0.14** | **-0.09** | **1.00 (1)** |

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| **Table 7.** Estimates for the parameters included in the top model set (ΔAICc < 5) for presence of impala in wild dog faeces. Bolded terms indicate significant variables (i.e., 95% CI do not overlap zero). Relative importance of each parameter is shown along with the number of models in the top model set that contain each variable (n). Temperature is mean maximum temperature over the previous 7 days. | | | | |
| **Parameter** | **Estimate** | **Lower**  **95% CI** | **Upper**  **95% CI** | **Variable**  **Importance (n)** |
| Intercept | 0.74 | 0.5 | 1.01 | — (2) |
| **Temperature** | **-0.021** | **-0.03** | **-0.01** | **1.00 (1)** |
| Land Use (Pastoral) | -0.63 | -0.1 | -0.02 | 0.10 (1) |