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**Distance-decay effect in stone tool transport by wild chimpanzees**

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**Statistical model outcomes:**

Table S2:

Investigations of the weight of granite hammerstones and its influenced by the distance to the closest inselberg (as the possible origin):

The table presents the results of a linear model analyzing the effect of distance to the nearest inselberg on hammerstone weight of *Panda* nut cracking tools. The comparison of the full with the null model revealed: F1,14=4.949 , P=0.043.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | Estimate | SE | F1,14 | P | CI lower | CI upper |
| (Intercept) | 11309.714 | 1533.688 | (1) | (1) | 8020.279 | 14599.148 |
| min.dist.st | -3.726 | 1.675 | 4.949 | 0.043 | -7.318 | -0.134 |

(1) Significance test not indicated because it has no meaningful interpretation.

Table S3:

Investigations of differences in the distance-decay effect between two social groups (North and South group):

The table presents the results of a linear model analyzing the effect of distance to the nearest inselberg on hammerstone weight in regard to the social group (North and South group) ranging in the area the hammerstone was located in. The comparison of the full with the null model revealed: F3,12=2.797 , P=0.086.

‘Distance.Inselberg\*GroupSouth’ refers to the impact of the two-way-interaction between distance of the nearest inselberg and social group (North or South group) on hammerstone weight.

The interaction was not significant, i.e. the distance-decay effect was not influenced by the social group (F1,12=0.608, P=0.451).

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | Estimate | SE | F1,12 | P | CI lower | CI upper |
| (Intercept) | 6630.341 | 3080.287 | (1) | (1) | -81.027 | 13341.709 |
| Distance.Inselberg | -0.975 | 2.377 | (1) | (1) | -6.153 | 4.204 |
| GroupSouth | 5838.072 | 3635.703 | (1) | (1) | -2083.445 | 13759.589 |
| Distance.Inselberg\*GroupSouth | -3.198 | 4.101 | 0.608 | 0.451 | -12.132 | 5.737 |

(1) Significance test not indicated because it has no meaningful interpretation.

Table S4:

Investigations of the use-wear intensity of hammerstones and its distance to the source:

The table presents the results of a linear model analyzing the effect of pit depth of *Panda* hammerstones on distance to the nearest inselberg. The comparison of the full with the null model revealed: F1,14=7.390 , P=0.017.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | Estimate | SE | F1,14 | P | CI lower | CI upper |
| (Intercept) | 4.091 | 3.197 | (1) | (1) | -2.767 | 10.948 |
| min.dist.st | 0.009 | 0.003 | 7.390 | 0.017 | 0.002 | 0.017 |

(1) Significance test not indicated because it has no meaningful interpretation.