



















Preregistered Predictions of Punishment Types by Socioecological Predictors

Predictor	2PP	3PP	3PP-General	3PP-Partner	3PP-Kin
Resource Intensification (RI)	↓  (uni)	↑ 	↑ 	↑ 	—
Technological & Social Differentiation (TSD)	↓  (uni)	↑ 	↑  (uni)	↑ 	—
Kinship Intensity Index (KII)	↑ 	↓ 	—	—	↑  (multi)
Community Size	↓  (uni)	↑ 	↑ 	↑ 	—

Legend:

↑ = Positive prediction
 ↓ = Negative prediction
 — = Unspecified

 = Supported (90% PDI != 0)
 = Moderately supported (80% PDI != 0)
 = Not supported

One limitation:

Ambiguous evidence.

Unspecified punishment: 1,490 codings of 'evidence for'

Second-party punishment: 1,189 codings of 'evidence for'

Third-party punishment: 4,236 codings of 'evidence for'

Did we miss a lot of 2PP?