## Table S1

| **Component** | **Term** | **Estimate** | **Std Error** | **t-value** | **p-value** |
| --- | --- | --- | --- | --- | --- |
| A. parametric coefficients | (Intercept) | -0.763 | 0.026 | -29.481 | \*\*\* |
| TypeEcology & Behavior | -1.710 | 0.053 | -32.538 | \*\*\* |
| TypeGeography | -1.241 | 0.088 | -14.077 | \*\*\* |
| TypePeople | -1.213 | 0.063 | -19.159 | \*\*\* |
| TypeModern & Past Culture | -3.623 | 0.148 | -24.440 | \*\*\* |
| TypeOthers | -2.227 | 0.091 | -24.527 | \*\*\* |
| **Component** | **Term** | **edf** | **Ref. df** | **F-value** | **p-value** |
| B. smooth terms | s(Year) | 1.003 | 1.003 | 9.390 | \*\* |
| s(Year):TypeMorphology | 5.503 | 6.546 | 12.240 | \*\*\* |
| s(Year):TypeEcology & Behavior | 5.081 | 6.136 | 4.012 | \*\*\* |
| s(Year):TypeGeography | 8.189 | 8.688 | 15.255 | \*\*\* |
| s(Year):TypePeople | 5.643 | 6.619 | 13.318 | \*\*\* |
| s(Year):TypeModern & Past Culture | 5.107 | 6.069 | 15.894 | \*\*\* |
| s(Year):TypeOthers | 5.525 | 6.540 | 6.883 | \*\*\* |
| Signif. codes: 0 <= '\*\*\*' < 0.001 < '\*\*' < 0.01 < '\*' < 0.05 < '.' < 0.1 < '' < 1 | | | | | |
|  | | | | | |
| Adjusted R-squared: 0.939, Deviance explained 0.929 | | | | | |
| GCV : 1.988, Scale est: 2.088, N: 1386 | | | | | |