

Table S2. Summary statistics (coefficients, lower (2.5 %), and upper (97.5) values of the confidence interval) of the linear regression analyzing the temporal trends in the drought index (SPEI) per site, year, climate models, and socioeconomic pathways. Bold values highlight statistically significant variable (P-values < 0.05).

Variables	Coefficients	2.50%	97.50%	P-value
Intercept: Month [January]; Site [North]; SSP [245]	-10.05	-12.01	-8.09	2×10^{-16}
Year	4.96×10^{-3}	3.99×10^{-3}	5.93×10^{-3}	2×10^{-16}
Site [South]	-1.05	-2.10	-1.73×10^{-3}	0.05
SSP [585]	0.94	-0.11	1.99	0.08
Month [October]	11.28	8.71	13.85	2×10^{-16}
Month [November]	0.47	-2.10	3.04	0.72
Month [December]	-2.99	-5.56	-0.42	0.02
Month [February]	2.22	-0.35	4.79	0.09
Month [March]	4.05	1.48	6.62	2.00×10^{-3}
Month [April]	9.92	7.35	12.49	3.77×10^{-14}
Month [May]	16.26	13.69	18.83	2×10^{-16}
Month [June]	17.99	15.42	20.56	2×10^{-16}
Month [July]	19.30	16.73	21.87	2×10^{-16}
Month [August]	17.60	15.03	20.17	2×10^{-16}
Month [September]	15.16	12.59	17.73	2×10^{-16}
Year × Site [South]	5.19×10^{-4}	1.36×10^{-6}	1.04×10^{-3}	0.05
Year × SSP [585]	-50.60	-9.83×10^{-4}	5.19×10^{-5}	0.08
Year × Month [October]	-58.70	-6.84×10^{-3}	-4.30×10^{-3}	2×10^{-16}
Year × Month [November]	-27.10	1.49×10^{-3}	1.04×10^{-3}	0.72
Year × Month [December]	1.48×10^{-3}	2.08×10^{-4}	2.74×10^{-3}	0.02
Year × Month [February]	-14	-2.37×10^{-3}	1.72×10^{-4}	0.09
Year × Month [March]	-23	-3.27×10^{-3}	-7.33×10^{-4}	2.00×10^{-3}
Year × Month [April]	-52	-6.17×10^{-3}	-3.63×10^{-3}	3.68×10^{-14}
Year × Month [May]	-83.3	-9.30×10^{-3}	-6.76×10^{-3}	2×10^{-16}
Year × Month [June]	-91.9	-1.02×10^{-2}	-7.62×10^{-3}	2×10^{-16}
Year × Month [July]	-98.3	-1.08×10^{-2}	-8.26×10^{-3}	2×10^{-16}
Year × Month [August]	-89.9	-9.96×10^{-3}	-7.42×10^{-3}	2×10^{-16}
Year × Month [September]	-77.9	-8.75×10^{-3}	-6.21×10^{-3}	2×10^{-16}