

## Guinean inflated

	Estimate	Est.Error	l-95% CI	u-95% CI	Rhat	Bulk_ESS	Tail_ESS
Intercept	-1.94	0.06	-2.05	-1.83	1.00	2210	2328
fire_freq_std	-0.03	0.02	-0.07	0.02	1.00	2572	2327
mean_precip_std	0.12	0.02	0.07	0.17	1.00	2309	2328

### Family Specific Parameters:

	Estimate	Est.Error	l-95% CI	u-95% CI	Rhat	Bulk_ESS	Tail_ESS
phi	5.29	0.19	4.93	5.66	1.00	2375	2408
zi	0.11	0.01	0.10	0.13	1.00	2251	2370

## Guinean not inflated

### Population-Level Effects:

	Estimate	Est.Error	l-95% CI	u-95% CI	Rhat	Bulk_ESS	Tail_ESS
Intercept	-2.15	0.06	-2.26	-2.03	1.00	2241	2544
fire_freq_std	0.03	0.02	-0.01	0.08	1.00	2330	2291
mean_precip_std	0.13	0.03	0.08	0.18	1.00	2256	2300

### Family Specific Parameters:

	Estimate	Est.Error	l-95% CI	u-95% CI	Rhat	Bulk_ESS	Tail_ESS
phi	4.34	0.16	4.02	4.67	1.00	2520	2436

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## West\_Sudanian\_savanna inflated

### Population-Level Effects:

	Estimate	Est.Error	l-95% CI	u-95% CI	Rhat	Bulk_ESS	Tail_ESS
Intercept	-3.52	0.05	-3.61	-3.42	1.00	2228	2211
fire_freq_std	0.08	0.01	0.05	0.11	1.00	2158	1953
mean_precip_std	0.90	0.04	0.82	0.98	1.00	2280	2287

### Family Specific Parameters:

	Estimate	Est.Error	l-95% CI	u-95% CI	Rhat	Bulk_ESS	Tail_ESS
phi	9.96	0.32	9.32	10.59	1.00	2334	2364
zi	0.23	0.01	0.21	0.24	1.00	2265	2339

## West\_Sudanian\_savanna not inflated

### Population-Level Effects:

	Estimate	Est.Error	l-95% CI	u-95% CI	Rhat	Bulk_ESS	Tail_ESS
Intercept	-3.59	0.04	-3.66	-3.51	1.00	2414	2327
fire_freq_std	0.10	0.01	0.07	0.13	1.00	2232	2161
mean_precip_std	0.78	0.04	0.71	0.85	1.00	2463	2089

### Family Specific Parameters:

	Estimate	Est.Error	l-95% CI	u-95% CI	Rhat	Bulk_ESS	Tail_ESS
phi	9.59	0.28	9.07	10.15	1.00	2491	2219

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## Sahelian inflated

### Population-Level Effects:

	Estimate	Est.Error	l-95% CI	u-95% CI	Rhat	Bulk_ESS	Tail_ESS
Intercept	-3.89	0.04	-3.96	-3.81	1.00	2391	2207

fire_freq_std	0.18	0.03	0.12	0.23	1.00	2411	2232
mean_precip_std	0.85	0.06	0.73	0.98	1.00	2474	2328

#### Family Specific Parameters:

	Estimate	Est.Error	l-95% CI	u-95% CI	Rhat	Bulk_ESS	Tail_ESS
phi	27.56	1.28	25.19	30.12	1.00	2201	2247
zi	0.68	0.01	0.67	0.69	1.00	2195	2291

#### Sahelian not inflated

#### Population-Level Effects:

	Estimate	Est.Error	l-95% CI	u-95% CI	Rhat	Bulk_ESS	Tail_ESS
Intercept	-4.70	0.02	-4.74	-4.65	1.00	2533	2372
fire_freq_std	0.29	0.02	0.25	0.33	1.00	2475	2389
mean_precip_std	0.57	0.04	0.49	0.65	1.00	2529	2369

#### Family Specific Parameters:

	Estimate	Est.Error	l-95% CI	u-95% CI	Rhat	Bulk_ESS	Tail_ESS
phi	89.32	2.15	84.99	93.62	1.00	2459	2283

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#### Northern\_Congo inflated

#### Population-Level Effects:

	Estimate	Est.Error	l-95% CI	u-95% CI	Rhat	Bulk_ESS	Tail_ESS
Intercept	-1.78	0.36	-2.47	-1.06	1.00	2303	2403
fire_freq_std	-0.00	0.06	-0.12	0.12	1.00	2543	2445
mean_precip_std	0.10	0.16	-0.23	0.41	1.00	2319	2249

#### Family Specific Parameters:

	Estimate	Est.Error	l-95% CI	u-95% CI	Rhat	Bulk_ESS	Tail_ESS
phi	6.71	0.62	5.56	7.97	1.00	2218	2251
zi	0.06	0.01	0.03	0.09	1.00	2497	2406

#### Northern\_Congo not inflated

#### Population-Level Effects:

	Estimate	Est.Error	l-95% CI	u-95% CI	Rhat	Bulk_ESS	Tail_ESS
Intercept	-1.08	0.37	-1.78	-0.36	1.00	2375	2330
fire_freq_std	-0.05	0.07	-0.18	0.08	1.00	2575	2365
mean_precip_std	-0.25	0.16	-0.58	0.07	1.00	2382	2255

#### Family Specific Parameters:

	Estimate	Est.Error	l-95% CI	u-95% CI	Rhat	Bulk_ESS	Tail_ESS
phi	5.47	0.51	4.54	6.51	1.00	2510	2407

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#### Western\_Congolian inflated

#### Population-Level Effects:

	Estimate	Est.Error	l-95% CI	u-95% CI	Rhat	Bulk_ESS	Tail_ESS
Intercept	-1.91	0.32	-2.55	-1.27	1.00	2207	2350
fire_freq_std	-0.13	0.05	-0.23	-0.03	1.00	2417	2382
mean_precip_std	0.20	0.20	-0.21	0.59	1.00	2160	2504

#### Family Specific Parameters:

	Estimate	Est.Error	l-95% CI	u-95% CI	Rhat	Bulk_ESS	Tail_ESS
phi	3.52	0.38	2.82	4.31	1.00	2253	2157
zi	0.22	0.03	0.17	0.28	1.00	2395	2451

Western\_Congolian not inflated

Population-Level Effects:

	Estimate	Est.Error	l-95% CI	u-95% CI	Rhat	Bulk_ESS	Tail_ESS
Intercept	-2.06	0.24	-2.56	-1.59	1.00	2284	2411
fire_freq_std	-0.08	0.04	-0.16	0.01	1.00	2385	2408
mean_precip_std	0.07	0.15	-0.22	0.36	1.00	2280	2269

Family Specific Parameters:

	Estimate	Est.Error	l-95% CI	u-95% CI	Rhat	Bulk_ESS	Tail_ESS
phi	3.26	0.34	2.63	3.95	1.00	2641	2413

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Southern\_Congolian inflated

Population-Level Effects:

	Estimate	Est.Error	l-95% CI	u-95% CI	Rhat	Bulk_ESS	Tail_ESS
Intercept	-1.54	2.51	-6.39	3.28	1.00	2492	2266
fire_freq_std	-0.05	0.16	-0.36	0.25	1.00	2295	2145
mean_precip_std	-0.26	1.22	-2.63	2.12	1.00	2499	2054

Family Specific Parameters:

	Estimate	Est.Error	l-95% CI	u-95% CI	Rhat	Bulk_ESS	Tail_ESS
phi	4.48	1.51	2.02	8.04	1.00	2299	2289
zi	0.51	0.07	0.37	0.65	1.00	2538	2496

Southern\_Congolian not inflated

Population-Level Effects:

	Estimate	Est.Error	l-95% CI	u-95% CI	Rhat	Bulk_ESS	Tail_ESS
Intercept	-1.15	1.47	-4.23	1.68	1.00	2245	2177
fire_freq_std	-0.04	0.10	-0.24	0.16	1.00	2097	2044
mean_precip_std	-0.82	0.70	-2.17	0.63	1.00	2207	2286

Family Specific Parameters:

	Estimate	Est.Error	l-95% CI	u-95% CI	Rhat	Bulk_ESS	Tail_ESS
phi	5.60	1.61	2.91	9.20	1.00	2177	2141

