

Corrigendum to “Analytical framework for reconstructing heterogeneous environmental variables from mammal community structure” [J. Hum. Evol. 78 (2015) 1-11]

Louys J, Meloro C, Elton S, Ditchfield P and Bishop L, Journal of Human Evolution, 2015

Since the publication of our paper “Analytical framework for reconstructing heterogeneous environmental variables from mammal community structure” (Journal of Human Evolution 78: 1-11), we have noticed a small inconsistency between the value of ε reported in our manuscript and that used in the arboreal heterogeneity reconstructions. Specifically, as reported in our manuscript (p. 3) and as implemented in our subsequent multiple multivariate regression analysis, a value of $\varepsilon = 0.0147058823529412$ was used (abbreviated as 0.0147 in the text). When reconstructing arboreal heterogeneity however, a value of $\varepsilon = 0.015$ was used. This does not influence overall model success, invalidate our findings or have an impact on our conclusions regarding Laetoli palaeoenvironments, but our inconsistent use of this value does yield slightly different numbers for the arboreal reconstructions in Figure 2. Our methodological inconsistency also makes it difficult for others to replicate our findings. We have therefore re-run all our reconstruction analyses. A list of amended values is provided in the Table below, correcting the values shown in Figure 2 of Louys et al (2015).

Site	%Heavy (reconstructed)	%Moderate (reconstructed)	%Light (reconstructed)	%Absent (reconstructed)
Ajar Valley Wildlife Sanctuary	4.926186	0.072619	2.604064	68.87526
Amboseli National Park	2.135076	1.503913	17.03621	25.12282
Berbak National Park	28.15086	0.829022	-0.02241	54.29563
Bukit Kutu Wildlife Reserve	53.59671	0.639391	0.254551	23.53462
Cape West Coast Biosphere Reserve	0.367261	9.062976	14.44952	33.52014
Cat Tien	80.12936	-0.07993	0.285173	13.63156
Daweishan Nature Reserve	77.76268	0.81183	-0.12738	15.1106
Erawan National Park	81.74316	0.208865	0.471111	6.76047
Estacion Biologica Beni	77.47139	3.20229	0.361436	2.035712
Etosha National Park	-0.07281	0.492196	5.311564	92.87864
Fanjingshan Mountain Biosphere Reserve	57.8042	-0.08361	-0.04248	61.00412
Gunung Leuser National Park	98.04462	0.120438	2.017623	0.008896
Gunung Palung National Park	98.85137	-0.03529	0.456358	1.230867
Huai Kha Khaeng Wildlife Sanctuary	92.38708	0.222481	0.358928	2.471151
Kaeng Krachan National Park	83.22382	-0.13933	0.180718	18.07532
Kahuzi-Biéga National Park	98.41481	0.555174	0.175815	0.775253
Kalahari Gemsbok National Park	-0.18453	1.03038	11.35224	95.8923

Khao Luang National Park	95.63805	0.010391	0.073748	2.815374
Khao Soi Dao Wildlife Sanctuary	93.33911	-0.07849	0.037723	4.815081
Khao Yai National Park	86.8227	0.082334	0.000569	13.4723
Khlung Lan National Park	89.22916	0.218326	0.119333	5.004793
Khlung Saeng Wildlife Sanctuary	94.2108	0.02435	0.027281	4.688258
Kora National Reserve	8.154745	0.494611	9.98212	28.03022
Krau Wildlife Reserve	93.03969	0.38675	0.158859	2.744655
Kruger National Park	0.663552	3.289231	14.09166	29.30225
Kruger to Canyons Biosphere Reserve	0.663552	3.289231	14.09166	29.30225
Kudremukh National Park	73.95816	0.3807	0.157025	13.35269
Kutai National Park	99.25069	-0.0346	0.28931	0.38228
Lake Nakuru National Park	2.486253	2.981258	18.78675	20.03042
Madidi National Park	22.40537	2.952676	2.023399	10.23131
Mahale Mountains National Park	46.78632	2.068294	4.649356	2.243327
Malolotja Nature Reserve	8.646375	0.647096	16.20189	6.225935
Mamili Nature Reserve	0.134433	0.694293	14.65922	74.58349
Mlawula Nature Reserve	0.877451	4.460251	13.74465	26.51066
Namdapha National Park	84.34584	0.051036	0.746742	13.58028
Namib-Naukluft Park	0.246979	0.286178	2.860292	90.71362
Naute Dam	0.176087	0.540351	3.632221	89.69465
Nujiang Nature Reserve	90.31928	-0.1777	-0.14754	33.13722
Om Koi Wildlife Sanctuary	67.24716	0.669851	0.370561	7.905804
Otishi National Park	98.4663	2.938603	-0.07618	0.468489
Pang Sida National Park	89.5586	0.061746	-0.04341	8.351533
Parc National de la Comoe	57.9205	1.479945	9.407308	0.933226
Parc National de Tai	98.63644	-0.00833	0.07067	0.896466
Parc National du Niokolo-Koba	17.18086	0.391037	7.012447	20.36485
Parque Nacional Canaima	96.14831	0.64215	0.214403	0.73625
Parque Nacional Iguazú	63.33071	0.67164	-0.03546	13.60244
Pasoh Virgin Jungle Reserve	96.23592	0.40661	-0.14069	3.396288
Phu Khieo Wildlife Sanctuary	99.33823	0.363897	-0.02425	1.475496
Queen Elizabeth (Rwenzori) National Park	61.19735	0.253822	3.09192	8.178439
Reserva de la Biosfera de Yasuni	97.80538	0.954294	-0.05687	0.712134
Reserve de la Biosphere de la Pendjari	9.501598	1.973243	13.99435	12.82002
Reserve Forestiere et de Faune du Dja	98.86476	-0.15657	0.488728	1.153133
Río Negro National Park	49.30125	2.178571	0.26432	8.116249

Río Plátano Biosphere Reserve	93.81564	0.774445	-0.08233	3.344208
Royal Chitwan National Park	69.10122	0.002925	2.721422	3.622545
Simlipal Tiger Reserve	50.45423	0.384861	0.298421	19.4725
Skeleton Coast Game Park	0.388344	0.555651	1.431536	91.84438
South Luangwa National Park	17.95478	7.158998	12.939	5.539504
Taman Negara National Park	95.14813	0.644434	0.450706	1.130853
Thap Lan National Park	87.07672	0.032749	-0.03381	10.46102
Thung Yai Naresuan Wildlife Sanctuary	73.48911	-0.09397	0.545226	13.41045
Way Kambas National Park	91.22835	-0.11015	-0.13657	16.28603
Wolong Nature Reserve	90.4738	-0.09916	0.173698	6.237742
Laetoli	-0.17035	4.208479	9.746876	96.51473