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Appendix 1

Table A1. Results from t-tests comparing averages of parameter values returned from fitting the U-Richards model to data. Significant results (t-values, degrees of freedom and p-values) are shown in bold.

Comparisons of biometrics in African black oystercatchers

Comparisons of parameter averages

	k_U	k_U	k_U	d	d	d
Type t-test	Unpaired	Unpaired	Unpaired	Unpaired	Unpaired	Unpaired
Parameter values 1/2	Fitted/fitted	Fitted/fitted	Fitted/fitted	Fitted/fitted	Fitted/fitted	Fitted/fitted
Restrain in model 1	fixed A			fixed A		
Restrain in model 2	fixed A	fixed A + W_0	fixed A + W_0	fixed A	fixed A + W_0	fixed A + W_0
T	t-value, DF, sign.	t-value, DF, sign.	t-value, DF, sign.	t-value, DF, sign.	t-value, DF, sign.	t-value, DF, sign.
Oystercatcher body mass	6.570, 640, <0.001	1.448, 640, 0.145	6.857, 640, <0.001	3.752, 640, <0.001	1.744, 640, 0.0816	3.209, 640, 0.0014
Oystercatcher tarsus	1.224, 612, 0.221	1.843, 612, 0.0658	0.553, 612, 0.581	0.948, 612, 0.344	1.035, 612, 0.301	1.072, 612, 0.284
Oystercatcher wing	4.841, 618, <0.001	0.170, 618, 0.865	4.721, 618, <0.001	2.820, 618, 0.005	2.989, 618, 0.003	0.871, 618, 0.384
Little stint body mass	1.342, 672, 0.180	0.202, 672, 0.840	1.391, 672, 0.165	0.988, 672, 0.324	1.405, 672, 0.161	0.407, 672, 0.684
Thick-knee body mass	1.007, 190, 0.315	0.000, 190, 1.000	1.008, 190, 0.314	1.007, 190, 0.315	0.145, 190, 0.885	1.000, 190, 0.318

(cont.:)

A	W_0	W_0	W_0	T_i	T_i	T_i
One sample	Unpaired	One sample	One sample	Unpaired	One sample	One sample
Fitted/pop.average	Fitted/fitted	Fitted/pop.average	Fitted/pop.average	Fitted/fitted	Fitted/pop.average	Fitted/pop.average
na	fixed A	na	na	fixed A	na	na
t-value, DF, sign.	t-value, DF, sign.	t-value, DF, sign.	t-value, DF, sign.	t-value, DF, sign.	t-value, DF, sign.	t-value, DF, sign.
16.46, 318, <0.001	1.441, 640, 0.150	1.356, 318, 0.0881	3.072, 319, 0.0012	1.516, 637, 0.130	0.895, 318, 0.1858	2.165, 318, 0.016
2.189, 394, 0.0147	0.112, 612, 0.911	4.640, 304, <0.001	4.639, 305, <0.001	0.531, 609, 0.596	2.062, 304, 0.0200	1.580, 304, 0.0575
11.57, 307, <0.001	0.970, 618, 0.333	4.608, 307, <0.001	5.352, 309, <0.001	1.200, 615, 0.231	6.743, 307, <0.001	3.541, 307, <0.001
0.827, 334, 0.205	0.264, 672, 0.792	2.180, 334, 0.015	2.633, 335, 0.004	0.074, 669, 0.941	2.082, 93, 0.0200	1.663, 93, 0.0498
0.683, 93, 0.243	0.373, 190, 0.7010	0.325, 93, 0.373	0.194, 94, 0.423	0.085, 187, 0.932	0.206, 334, 0.418	0.166, 334, 0.434

