

Table 1: Month-to-month turnover values for all dissimilarity measures at both the Brasília's Botanical Garden Protected Area (BBG) and Reserva Ecológica do IBGE (IBGE) sites.

Year	Months	β_{int}	β_{rw}	β_{st}	β_S	β_{Bee}	β_{Plant}	Site
1995	Jun-Jul	1	0	1	0.895	0.8	1	BBG
1995	Jul-Aug	0.967	0.667	0.301	0.714	0.742	0.680	BBG
1995	Aug-Sep	0.931	0.7	0.231	0.59	0.542	0.657	BBG
1995	Sep-Oct	0.921	0.538	0.383	0.658	0.659	0.657	BBG
1995	Oct-Nov	0.959	0.333	0.626	0.787	0.760	0.818	BBG
1995	Nov-Dec	0.857	0	0.857	0.81	0.857	0.714	BBG
1995	Dec-Jan	0.846	0	0.846	0.789	0.846	0.667	BBG
1996	Jan-Feb	1	0	1	0.951	0.923	1	BBG
1996	Feb-Mar	0.930	0.5	0.430	0.781	0.760	0.826	BBG
1996	Mar-Apr	0.857	0.517	0.340	0.567	0.577	0.538	BBG
1996	Apr-May	0.859	0.667	0.192	0.527	0.495	0.6	BBG
1996	May-Jun	0.747	0.375	0.372	0.503	0.480	0.547	BBG
1996	Jun-Jul	0.781	0.556	0.226	0.476	0.468	0.490	BBG
1996	Jul-Aug	0.821	0.509	0.312	0.538	0.506	0.6	BBG
1996	Aug-Sep	0.973	0.75	0.223	0.635	0.529	0.854	BBG
1996	Sep-Oct	0.965	0.733	0.232	0.607	0.512	0.867	BBG
1996	Oct-Nov	0.874	0.486	0.388	0.6	0.564	0.724	BBG
1996	Nov-Dec	0.835	0.483	0.352	0.541	0.5	0.676	BBG
1996	Dec-Jan	0.987	0.867	0.120	0.635	0.567	0.765	BBG
1997	Jan-Feb	0.881	0.6	0.281	0.563	0.531	0.607	BBG
1997	Feb-Mar	0.867	0.621	0.246	0.622	0.628	0.614	BBG
1997	Mar-Apr	0.817	0.621	0.196	0.503	0.456	0.593	BBG
1997	Apr-May	0.818	0.520	0.298	0.544	0.515	0.6	BBG
1997	May-Jun	0.897	0.333	0.563	0.754	0.692	0.846	BBG
2008	Nov-Dec	0.862	0.5	0.362	0.617	0.581	0.688	IBGE
2008	Dec-Jan	0.894	0.611	0.283	0.597	0.543	0.673	IBGE
2009	Jan-Feb	0.836	0.474	0.362	0.582	0.576	0.591	IBGE
2009	Feb-Mar	0.934	0.613	0.321	0.659	0.636	0.692	IBGE
2009	Mar-Apr	0.966	0.829	0.138	0.701	0.703	0.698	IBGE
2009	Apr-May	0.895	0.333	0.561	0.660	0.613	0.727	IBGE
2009	May-Jun	0.902	0.5	0.402	0.667	0.6	0.75	IBGE
2009	Jun-Jul	0.753	0.333	0.420	0.564	0.707	0.405	IBGE
2009	Jul-Aug	0.761	0.429	0.333	0.514	0.529	0.5	IBGE
2009	Aug-Sep	0.87	0.143	0.727	0.808	0.760	0.852	IBGE
2008	Sep-Oct	1	0	1	0.750	0.636	0.846	IBGE

Table 2: **Climate information obtained from IBGE’s weather station.** Daily average temperature was calculated using the minimum and maximum temperature of each day. The median value of daily temperatures was then obtained for each month and used for data analysis. Precipitation values were acquired by adding together total amount of rainfall that occurred throughout the month.

Year	Month	Precipitation / mm	Temperature / °C
1995	Jun	0	18.7
1995	Jul	0	19.4
1995	Aug	0	20.9
1995	Sep	5	22.4
1995	Oct	86.5	23.5
1995	Nov	292.1	21.6
1995	Dec	328.3	21.9
1996	Jan	66	22.3
1996	Feb	190	22.3
1996	Mar	304.7	22.4
1996	Apr	39.7	21.2
1996	May	26.5	20.4
1996	Jun	0	18.4
1996	Jul	0	18.7
1996	Aug	48	20.4
1996	Sep	37.6	22.4
1996	Oct	116.3	23
1996	Nov	261.2	22.1
1996	Dec	293.6	22.7
1997	Jan	358	21.7
1997	Feb	104.3	22.1
1997	Mar	304.2	21.6
1997	Apr	148.1	21.2
1997	May	114.2	19
1997	Jun	21.4	18.8
2008	Nov	196.9	22.2
2008	Dec	270.6	22.1
2009	Jan	179.8	22.3
2009	Feb	153.3	22.1
2009	Mar	171.7	22.2
2009	Apr	225.2	21.3
2009	May	43.3	19.4
2009	Jun	26.2	18
2009	Jul	0	19
2009	Aug	31.9	19.8
2009	Sep	36.2	22.9
2009	Oct	200.9	22.6

Table 3: **Relationships between turnover measures.**

(r_s : Spearman's correlation coefficient; p_s : p-value of Spearman's test; p-value: generated using 10^5 randomised networks for each month)

BBG site, Cerrado (1995-1997)				
Measures		r_s	p_s	p-value
β_{int}	β_{st}	0.140	0.514	0.145
β_{int}	β_{rw}	0.156	0.468	0.509
β_{int}	β_S	0.698	0	0.031
β_{int}	β_{Bee}	0.568	0.004	0.150
β_{int}	β_{Plant}	0.822	0	0.0001
β_{st}	β_S	0.678	0.0003	0.177
β_{st}	β_{Bee}	0.732	0.0001	0.056
β_{st}	β_{Plant}	0.425	0.038	0.640
β_S	β_{Bee}	0.955	0	0.097
β_S	β_{Plant}	0.791	0	0.391
β_{Plant}	β_{Bee}	0.610	0.002	0.242

IBGE site, Cerrado (2008-2009)				
Measures		r_s	p_s	p-value
β_{int}	β_{st}	-0.027	0.937	0.070
β_{int}	β_{rw}	0.228	0.500	0.736
β_{int}	β_S	0.755	0.007	0.038
β_{int}	β_{Bee}	0.273	0.416	0.634
β_{int}	β_{Plant}	0.718	0.013	0.024
β_{st}	β_S	0.373	0.259	0.545
β_{st}	β_{Bee}	0.392	0.233	0.485
β_{st}	β_{Plant}	0.464	0.151	0.273
β_S	β_{Bee}	0.601	0.050	0.927
β_S	β_{Plant}	0.964	0	0.003
β_{Plant}	β_{Bee}	0.456	0.159	0.251