

Table 0.1: Data density information for trait dataset. Coverage describes the total proportional coverage at a site for which species were included in the analysis. Density values for each trait describe the proportional coverage at a site for which data for that trait were included in the analysis. N.B. leaf narrowness and wood density were not available for grasses or ferns; seed mass and flowering period were also not available for ferns.

<i>site</i>	<i>coverage</i>	<i>wood density</i>	<i>max. height</i>	<i>seed mass</i>	<i>SLA</i>	<i>flowering period</i>	<i>leaf narrowness</i>
1	0.98	0.615	1	0.846	1	0.923	0.692
2	0.959	0.333	1	0.667	1	0.667	0.333
3	0.949	0.455	1	0.727	1	0.727	0.545
4	0.903	0.4	1	0.867	1	0.867	0.6
5	0.968	0.455	1	1	1	1	0.545
6	0.964	0.7	1	1	1	1	0.7
7	1	0.5	1	1	0.9	1	0.7
8	1	0.529	1	0.882	1	0.882	0.765
9	0.988	0.474	1	0.842	1	0.842	0.737
10	0.976	0.583	1	0.917	1	0.917	0.667
11	0.96	0.188	1	1	0.938	1	0.688
12	0.992	0.381	1	0.952	0.952	0.952	0.714
13	0.935	0.55	0.95	0.9	1	0.9	0.7
14	1	0.636	1	1	1	1	1
15	0.963	0.455	1	0.909	0.909	0.909	0.727

Table 0.2: Summary statistics for trait dataset. From left: minimum, maximum, mean and standard deviation.

<i>trait</i>	<i>min</i>	<i>max</i>	<i>mean</i>	<i>sd</i>
Max. height (m)	0.2	50	10.47	13.18
Seed mass (mg)	0.04	323.99	16.55	45.06
SLA (m <sup>2</sup> / kg)	1.41	63.27	17.93	14
Flowering period length (proportion of year)	0.17	1	0.45	0.24
Leaf narrowness (unitless ratio)	0.59	233.33	9.86	32.53
Wood density (g / cm <sup>3</sup> )	0.33	0.95	0.61	0.13

Table 0.3: Importance of principal components PC1–PC5 from Principal Components Analysis of trait dataset, using species with data available for all traits (55 species).

	<i>PC1</i>	<i>PC2</i>	<i>PC3</i>	<i>PC4</i>	<i>PC5</i>	<i>PC6</i>
Standard deviation	1.3938	1.0962	1.0827	0.9247	0.7438	0.52457
Proportion of variance	0.3238	0.2003	0.1954	0.1425	0.0922	0.04586
Cumulative proportion	0.3238	0.5240	0.7194	0.8619	0.9541	1

Table 0.4: Importance of principal components PC1–PC5 from Principal Components Analysis of trait dataset, using species with data available for SLA, maximum height, seed mass and flowering period length (97 species).

	<i>PC1</i>	<i>PC2</i>	<i>PC3</i>	<i>PC4</i>
Standard deviation	1.4160	1.0016	0.8326	0.54649
Proportion of variance	0.5012	0.2508	0.1733	0.07466
Cumulative proportion	0.5012	0.7520	0.9253	1