**Description of the .csv file**

Global patterns of intraspecific leaf trait responses to elevation

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| Column name | Variable Description | |
| trait | Trait type; use this to subset the dataset for each trait separately in the analysis. | |
| id | row ID. | |
| common\_id | common ID value for each gradient and species sharing the same ‘control’ (i.e. the point at the lowest elevation; see below); use this to calculate the variance-covariance matrix (see the R code). | |
| study\_id | ID value for each study. | |
| study\_name | Author’s name (year). | |
| country | Country where the elevational gradient is located. | |
| gradient\_id | Name for each gradient (nested within ‘study\_name’). | |
| species | Plant species name. | |
| family | Plant family name. | |
| ele\_level | ID value for each elevational level above the lowest site sampled for each single species within a gradient (range from 2 to onwards, where e.g. 2 is the 2nd site sampled above the first sampled at the lowest elevation). | |
| treatment | ‘treatment’ is the mean of the trait sampled at a higher elevational level. | |
| control | ‘control’ is the mean of the trait sampled at the lowest elevational level (note that often multiple ‘treatments’ are compared to the same ‘control’). | |
| sd\_treatment | Standard deviation of the mean ‘treatment’. | |
| sd\_control | Standard deviation of the mean ‘control’. | |
| n\_individuals | Number of plant individuals sampled; sample size. | |
| pt | Plant functional group (either herbaceous ‘H’ or woody ‘W’). | |
| LONG | Mean longitude estimated for each gradient. | |
| LAT | Mean latitude estimated for each gradient. | |
| ARIDITY\_INDEX | Estimated aridity index for each gradient; see ‘Methods’. | |
| SOLAR\_RADIATION | Annual mean radiation (W m-2); ‘Bio20’ in CliMond; see ‘Methods’. | |
| MEAN\_GROWING\_SEASON\_TEMPERATURE | Mean Temperature of Warmest Quarter; ‘BIO10’ in WorldClim 2.0; see ‘Methods’. |
| elevation\_treatment | Elevation of the ‘tretment’ (m a.s.l.) |
| elevation\_control | Elevation of the ‘control’ (m a.s.l.) |
| elevation | = ‘elevation\_treatment’ – ‘elevation\_control’ (m) |
| elevation\_log | = log (‘elevation’) |
| yi | Log-response ratio (lnRR) of the ‘treatment’/’control’ calculated via metafor::escalc() |
| vi | Sampling variance of ‘yi’ calculated via metafor::escalc(). See Hedges et al (1999) for the formula: [https://doi.org/10.1890/0012-9658(1999)080[1150:TMAORR]2.0.CO;2](https://doi.org/10.1890/0012-9658(1999)080%5b1150:TMAORR%5d2.0.CO;2) |