|  |  |  |
| --- | --- | --- |
| Variable name | Meaning/interpretation | Variable type |
| Mean\_AlphaPhy | The mean alpha phylogenetic diversity of a species’ home range | Continuous |
| Max\_AlphaPhy | The maximum alpha phylogenetic diversity of a species’ home range | Continuous |
| Med\_AlphaPhy | The median alpha phylogenetic diversity of a species’ home range | Continuous |
| GammaPhy | The gamma phylogenetic diversity of a species’ home range | Continuous |
| germ\_YN | Whether any sown plants in a plot colonised the plot successfully | Categorical (1=yes, 0=no) |
| surviveyr1\_YN | Whether any sown plants in a plot survived to the end of the first growing season of the experiment | Categorical (1=yes, 0=no) |
| surviveyr2early\_YN | Whether any sown plants in a plot survived overwinter | Categorical (1=yes, 0=no) |
| surviveyr2late\_YN | Whether any sown plants in a plot survived to the end of the second growing season of the experiment | Categorical (1=yes, 0=no) |
| flowers\_YN | Whether a plant produced any flowers | Categorical (1=yes, 0=no) |
| germ\_num | The number of sown plants that colonised a plot | Count |
| surviveyr1\_num | The number of sown plants that survived in a plot to the end of the first growing season | Count |
| surviveyr2early\_num | The number of sown plants that survived in a plot overwinter | Count |
| surviveyr2late\_num | The number of sown plants that survived in a plot to the end of the second growing season | Count |
| max\_flowers | The maximum number of flowers produced by a plant | Count |
| Disturbance | Whether a plot was disturbed | Categorical (1=yes, 0=no) |
| propagule\_pressure | The seeding rate of sown species (seeds cm-2) | Continuous |
| OptGermRt | The optimal germination rate of a species, determined in a pot experiment | Continuous |
| suitabilitypc1v2abs | The absolute value of temperature dissimilarity between the home range and experimental climate of all sown species in the experiment (based on PC axis 1 of climate variability) | Continuous |
| suitabilitypc2v2abs | The absolute value of precipitation dissimilarity between the home range and experimental climate of all sown species in the experiment (based on PC axis 2 of climate variability) | Continuous |
| Herbivory | Whether or not a plot was exposed to insect herbivores | Categorical (open=exposed to herbivores, closed=protected from herbivores) |
| Heating | Whether or not the plot was heated | Categorical (Heated, Unheated) |
| awMPD | Abundance-weighted mean phylogenetic distance from the sown species to the resident species in the plot | Continuous |
| Status | Whether the sown species was native or exotic to the region | Categorical (Native, Exotic) |
| Density | The total number of seeds sown in a plot | Continuous |
| Seed\_wt | Weight of a single seed (mg) | Continuous |
| Competitionindex\_lnR | The competitive ability of a species when tested in a pairwise experiment against a heterospecific | Continuous |
| Life\_span | The life history strategy of a species | Categorical (Annual, Perennial) |
| HZ | The hardiness zone of a species, describing how tolerant it is to winter conditions | Ordinal (1, 2, 3, 4, 5, with 5 being the most tolerant) |
| vegheight | The vegetative height of a species (m) | Continuous |
| genheight | The generative (i.e. reproductive) height of a species (m) | Continuous |
| leafN | The proportional nitrogen in a leaf of a given species (mg g-1) | Continuous |
| SLA | The specific leaf area of a given species (mm2 mg-1) | Continuous |
| LDMC | The dry matter content of a leaf of a given species (g g-1) | Continuous |
| Family | The family (Linnean taxonomy) a given species belongs to | Categorical (31 families) |
| POWO.name | The species name as listed in the Plants of the World database | Categorical (164 species) |
| Site | The site an experiment took place within a given study | Categorical (41 sites) |
| Study | The study from which the data was drawn | Categorical (Haueser, Kempel, Muller) |