**Metadata file for tree data**

Dataset title: BEF-China for *pairwise tree interaction* models

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See details <https://data.bef-china.de/bef-china/datasets/593>

Summary: This metadata describes contents of two data files: dat\_set\_1.csv and dat\_set\_2.csv

Data origin: BEF-China experiment annual field survey from 2010 ~ 2016

Content:

|  |  |  |  |
| --- | --- | --- | --- |
| Variable | Description | Data type | Unit |
| ID\_focal | Unique ID of focal trees across the years | integer | / |
| biomass | Biomass of focal tree at particular year | decimal | / |
| Biomass\_next | Biomass of focal tree at the next year | decimal | / |
| growth | The different between biomass\_next and biomass | decimal | / |
| NB1 | The biomass of the neighbouring tree with ID NB1, if it is 0 meaning the tree is confirmed dead (same apply to other neighbours) | decimal | g |
| NB2 | The biomass of the neighbouring tree with ID NB2 | decimal | g |
| NB3 | The biomass of the neighbouring tree with ID NB3 | decimal | g |
| NB4 | The biomass of the neighbouring tree with ID NB4 | decimal | g |
| NB5 | The biomass of the neighbouring tree with ID NB5 | decimal | g |
| NB6 | The biomass of the neighbouring tree with ID NB6 | decimal | g |
| NB7 | The biomass of the neighbouring tree with ID NB7 | decimal | g |
| NB8 | The biomass of the neighbouring tree with ID NB8 | decimal | g |
| sp\_NB1 | Species ID for the neighouring tree with ID NB1 and it correspond to the species name in column "sp" | integer | / |
| sp\_NB2 | Species ID for the neighouring tree with ID NB2 | integer | / |
| sp\_NB3 | Species ID for the neighouring tree with ID NB3 | integer | / |
| sp\_NB4 | Species ID for the neighouring tree with ID NB4 | integer | / |
| sp\_NB5 | Species ID for the neighouring tree with ID NB5 | integer | / |
| sp\_NB6 | Species ID for the neighouring tree with ID NB6 | integer | / |
| sp\_NB7 | Species ID for the neighouring tree with ID NB7 | integer | / |
| sp\_NB8 | Species ID for the neighouring tree with ID NB8 | integer | / |
| plot\_richness | The richness level of the plot in which the focal tree located (in total: 1,2,4,8 richness level) | integer | / |
| sp | The species names | character | / |
| plotID\_1 | Sites in BEF-China, in this study all plots are at site A | character | / |
| plotID\_2 | Plot IDs | character | / |
| Year | The year at which the growth was recorded (1~6 corresponds to 2011~2016) | integer | / |
| spp | The index for unique Species and plot combination | integer | / |
| spy | The index for unique Species and year combination | integer | / |