interpolate_data.R

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interpolate_data	*Interpolate Data*

Description

Interpolates data over a specified age range and timestep using a method.

Usage

```
interpolate_data(
  data = NULL,
  by = "dataset_name",
  age_var = "age",
  value_var = "pollen_prop",
  method = "linear",
  rule = 1,
  ties = mean,
  age_min = 0,
  age_max = 12000,
  timestep = 500
)
```

Arguments

data	A data frame containing the data to be interpolated.
age_var	Name of the age variable column (default: "age").
value_var	Name of the value variable column (default: "pollen_prop").
method	Interpolation method to use (default: "linear").
rule	Integer specifying the extrapolation rule (default: 1).
ties	Function to handle tied values (default: 'mean').
age_min	Minimum age for interpolation (default: 0).
age_max	Maximum age for interpolation (default: 12000).
timestep	Timestep for interpolation (default: 500).

Details

Nests data by dataset and taxon, performs interpolation using 'stats::approx', and returns the interpolated data in a flat format.

Value

A data frame with interpolated values, including dataset name, taxon, age, and value columns.

See Also

[stats::approx()]

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