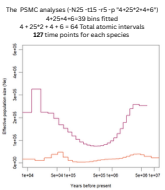
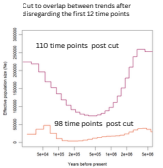
Plotted raw output

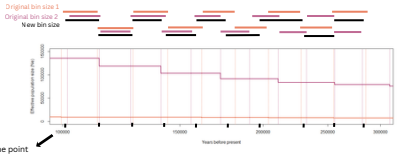


Step one
Overlapping data



This means that the new time grid should have 98 new time points.

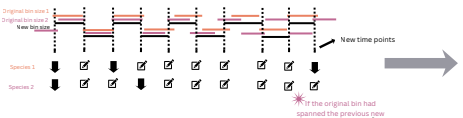
Step two
Common grid alinement



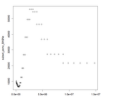
Step three
Weighted interpolation of Ne in the common time series grid

A Ne value is to be assigned for each trend at each new time point. The Ne value is interpolated based on how the original bins span each new bin under the following rules:

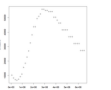
- Inside bin → use Ne
- Between bins → interpolate Ne (rarely happens)
- Spans bins → average Ne

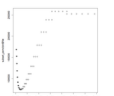


Plotted raw output

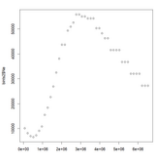


Resulting interpolation





Step four
Correlation of Ne trajectories



Utilizing the: BINCOR-package
(v. 0.2.0): Estimate the correlation between two irregular time series. ↑https://www.rdocumentation.org/packages/BINCOR/versions/0.2.0/topics/BINCOR-package.