The model rules in brief

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The Unified Neutral Theory of Biodiversity and Biogeography

Immigration

Extinction

Dynamic equilibrium:

Balance between immigration and extinction
Species themselves are changing

Immigration

Extinction

Dynamic equilibrium:

Balance between **Speciation and extinction**
Species themselves are changing

Immigration

Extinction

Speciation

Extinction

Dynamic equilibrium:

Balance between **Speciation and extinction**
Species themselves are changing

Advantages of coalescence

- Always at equilibrium
- Much faster
- Sampling based

Disadvantages of coalescence

- Not ideal for time series
- Complex to program
- Fewer ways in which model can be changed