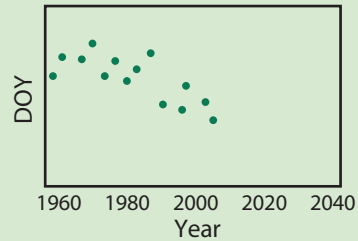


Accounting for photoperiod to improve forecasts of biological responses to climate change

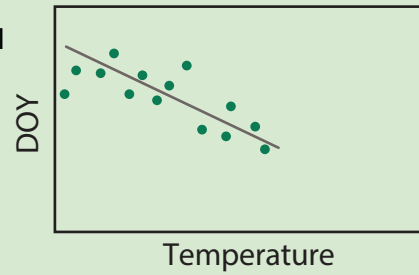
standard approach

a) Data

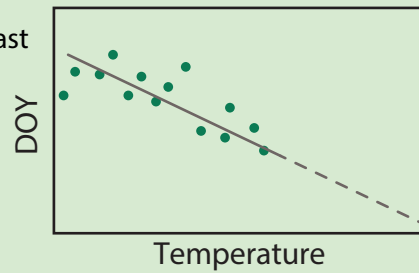
year	temperature	day of year
1901	12	90
1902	13.5	95
1903	11.8	88
1904	14	100
...



b) Model



c) Forecast

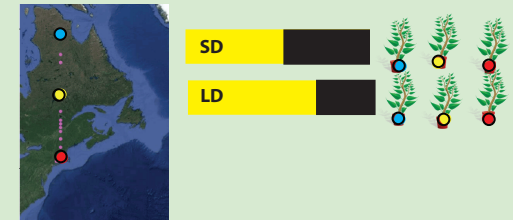


+ experimental data
on photoperiod

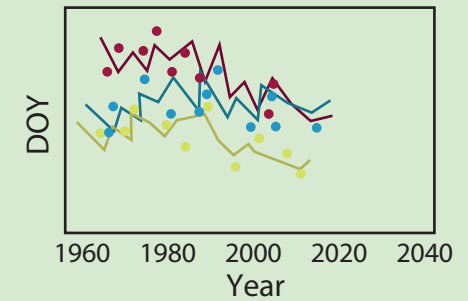


alternative, hierarchical, non-linear approach

a) Data



b) Model



c) Forecast

