

Formulate the initial models

- Leaf development phases <mature leaf> and <old leaf>
- Aging based on days *versus* A_{net}
- Stress responses through $g(x)$ to cold days, shortening days, and dry days
- Senescence as sum *versus* product *versus* exponential function

Select the two models with the lowest AICc

Extend the models by including the young leaf phase

Select the two models with the lowest AICc

Alter the models through all possible combinations of the responses $g(x)$ and $f(x)$

Select the two models with the lowest AICc

Extend the models by including the additional stressors one by one through $g(x)$ (i.e., heavy rain periods *versus* heat days *versus* nutrient depletion *versus* frost days)

Select the two models with the lowest AICc

Any models of the previous iteration among these?

Yes

Alter the model(s) of the previous iteration through the response $f(x)$ of the newly added stressor

Select the two models with the lowest AICc

Select the model with the lowest AICc

