

SOMENS 2017 Mike Strub Challenge

Stop doing what you know and jump into some troubled waters. There are biometrical challenges outside the forest, but still in forestry. Here is the 2017 SOMENS Mike Strub Challenge for our upcoming meeting.

This challenge involves developing a model that allows a nursery manager to predict pine rooted-cuttings height at any given measurement stage. The nursery measured these little seedlings for 206 days (sowing time). Your goal is to produce a dynamic model that allows prediction of plant height at the end of the 206 days starting any time during the plant production phase. Additionally, provide the probability of plants achieving a minimum threshold height of 22 cm.

You have until the day before the meeting (Sunday, October 22) to submit your answer to the conference organizers. The best model will be assessed based on:

1. Ability to accomplish the given task.
2. Originality.
3. Goodness-of-fit statistics (AIC, R^2 , likelihood etc).
4. Quality of your graphical results.

GOOD LUCK!