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HMSC course 2022 - Day 3 - recap of exercise 2

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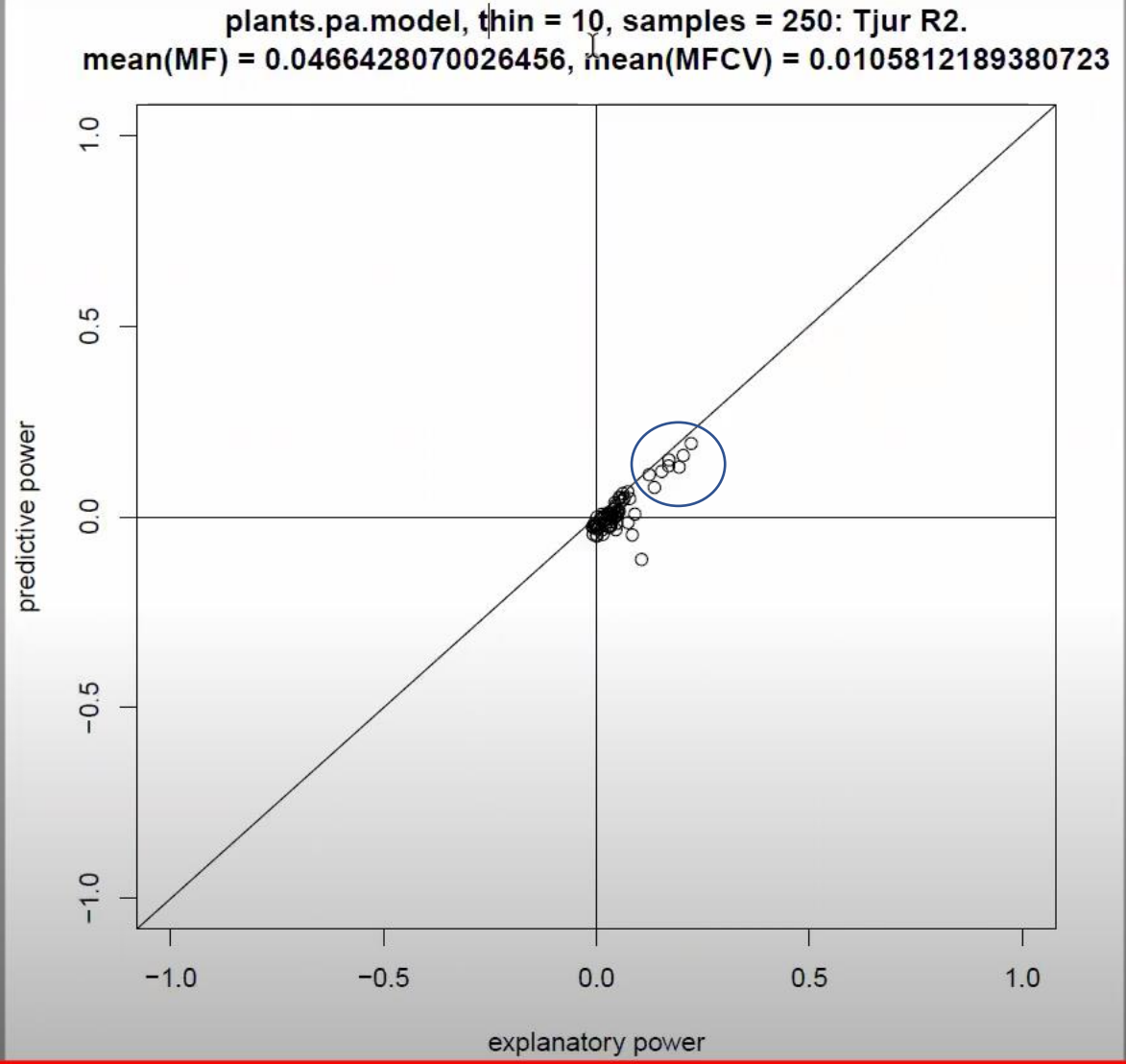
1 / 2



We generated this from the best fitted model

Tjur R2 is another way to see fit

Estimate the difference of presence absence between real data and predicted data. If 0 model is as bad as random +1 model is perfect -1 model is as bad as it can be

We have points for each species that was averaged the X axis is the explanatory power and the Y the predictive power of the model (the predictive power Will always be less than explanatory)

We see that values are pretty low but 0,5 is a Good value that represent 0,95 probablity

We can see that there is a cumulus of species in the middle and my model is bad in predicting pres-abs for those species almost 0 but Good for the species in the circle

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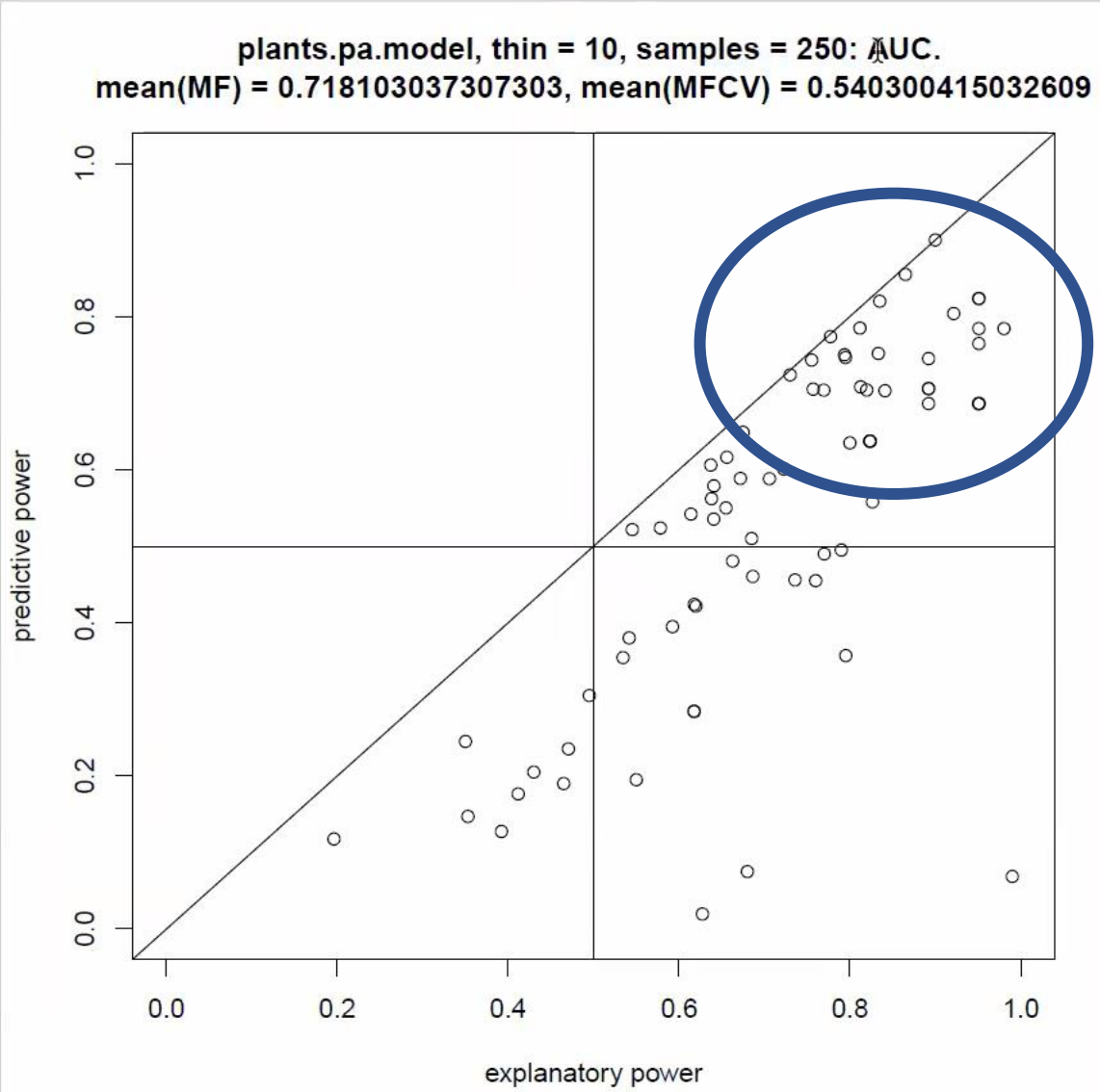
2 / 2



AUC área under curve

What we see here is wether the selected unity empty or occupied (pres-abs) what is the probability of being empty or full. That is why 0,5 is the random because each unit has 50% chances of being occupied.

The blue circle shows the species for which the model is a Good predictor

Later on he showed that the species for which the model was a bad predictor was for those species with low ocurrence in the área so the model would never be Good in prediciting those

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