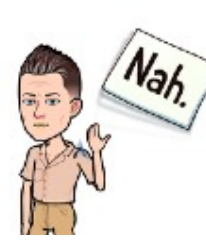


Species Distribution Modeling

Practice



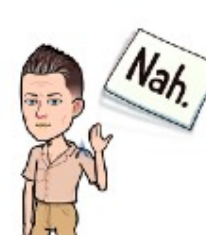
Using inappropriately scaled
data

But could send results either way,
so is it a QRP?

not made for scale of your point
data

Quæstionnaire?

Practice



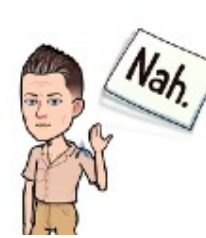
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Partial covariate reporting

Practice



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not made for scale of your point data

Partial covariate reporting

Fitting everything available

Depends on what your aim is? Do you want a good map, or do you care about what's driving the distribution?

Necessary?

Unthinking, inflates the chance of finding a significant model

Practice



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AUC rate hacking

similar to p-hacking

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checking / changing map based
on decision-maker expert
opinion

You don't want a crap map,
why not use expert opinion?

Practice



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Overfitting models to improve
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We're always using a subset of our
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Practice



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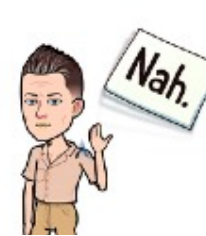
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Cherry picking case studies Just don't pretend it was random
chance isn't this just science? confirmation bias

Practice

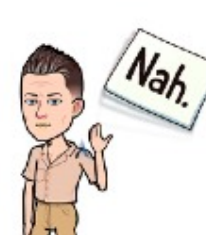


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Cherry picking case studies	Just don't pretend it was random chance	isn't this just science?	confirmation bias

HARKing: narrative due to sexy variable importance. Adjusting which values you use based on results.

e.g. throwing out old records or trying different lab study values in mechanistic modelling

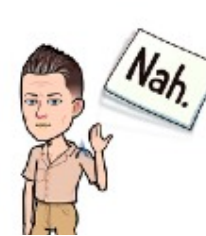
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Cherry picking which papers /
maps you publish

Practice



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Study Design and Data Collection

Practice

Phase

QRP Class

Species Distribution Modelling

Practice



Questionable?



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