

Species Distribution Modeling

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Lecturers



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Someone else?

What you will learn

- ▶ Species distribution models (SDMs)
- ▶ R programming language (R)
- ▶ Geographic information systems (GIS)
- ▶ Generalized additive models (GAMs)

Course structure

In the first # days, etc.

Learning objectives

- ▶ Theory behind SDM
- ▶ Run SDM independently
- ▶ Apply SDMs to real problems
- ▶ Maps

Software needed

- ▶ R
- ▶ codetools
- ▶ terra
- ▶ mgcv

```
install.packages(c("codetools", "terra", "mgcv"))
```

i Note

terra is still in active development and some functionalities change with newer releases.