Statistics using R

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▶ Vegetation Ecologist
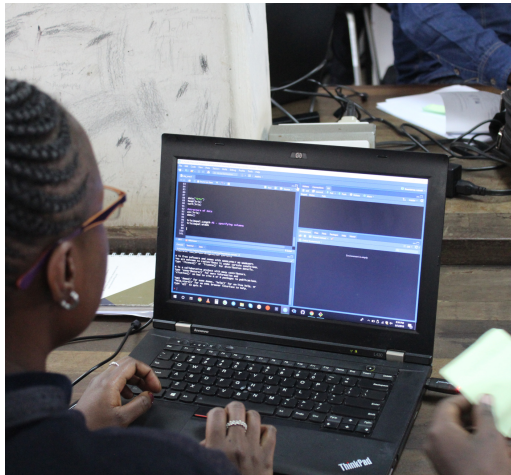▶ Data Scientist

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Live Coding

- Basic Statistics
- R Syntax
- Special features of RStudio

The Training

Three Aspects

- ▶ Data management
  - ▶ Data arrangement
  - ▶ Data types in R
- ▶ Data exploration
- ▶ Data analysis

```
sparrows <- readRDS("sparrows_elphik.rds")
head(sparrows)
```

```
##   wingcrd flatwing tarsus head culmen nalosp
## 1    59.0     60.0   22.3 31.2   12.3   13.0
## 2    54.0     55.0   20.3 28.3   10.8    7.8
## 3    53.0     54.0   21.6 30.2   12.5    8.5
## 4    55.0     56.0   19.7 30.4   12.1    8.2
## 5    55.0     56.0   20.3 28.7   11.2    8.0
## 6    53.5     54.5   20.8 30.6   12.8    8.0
##   sampling_date species_code  sex      age l
## 1    2002-09-19    species 1 <NA> juvenile
## 2    2002-10-04    species 3 <NA> juvenile
## 3    2002-10-04    species 3 <NA> juvenile
## 4    2002-07-30    species 1 <NA> juvenile
## 5    2002-10-04    species 3 <NA> juvenile
## 6    2004-08-02    species 1 <NA> juvenile
```

Get Ready!