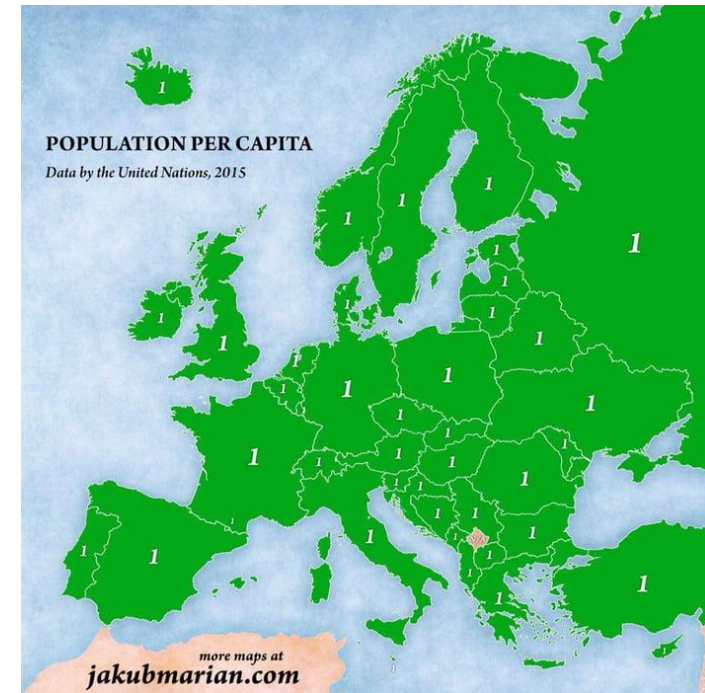


Introduction to spatial analyses



Schedule

- Monday. Introduction to spatial data in R (Søren + Heléne)
- Tuesday. Handling data from large online databases (Søren + Heléne)
- Wednesday. Spatial analyses in R (Søren + James)
- Thursday. MCMCglmm (Ferran + Søren)
- Exercises (Søren + James)



Zoom etiquette

- If your internet can handle it please keep cameras on.
- Please mute microphone when not speaking



Daily Schedule

9.00-9.? Quick meeting generally with short lecture

9?-12 Independent work on tutorial

12-13 Lunch

13.00-13? Quick meeting

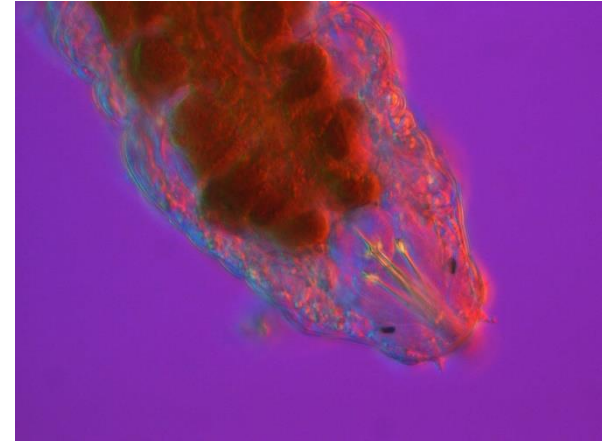
13?-15.45 Independent work on tutorial

15.45-16.00 Wrapup



Who is who?

- Name
- Home country
- Quick summary of what you are working on
- Level of R experience
- Odd or fun fact about you



BROWN BEAR
(*URSUS ARCTOS*)

Centuries of hunting reduced the bear's range. Recent conservation efforts fostered some expansion near Yellowstone.

Work at your own speed

- Some poeple are really fast on computers.
- Some are not.
- It is better to take it slow and learn someting than to rush through everything

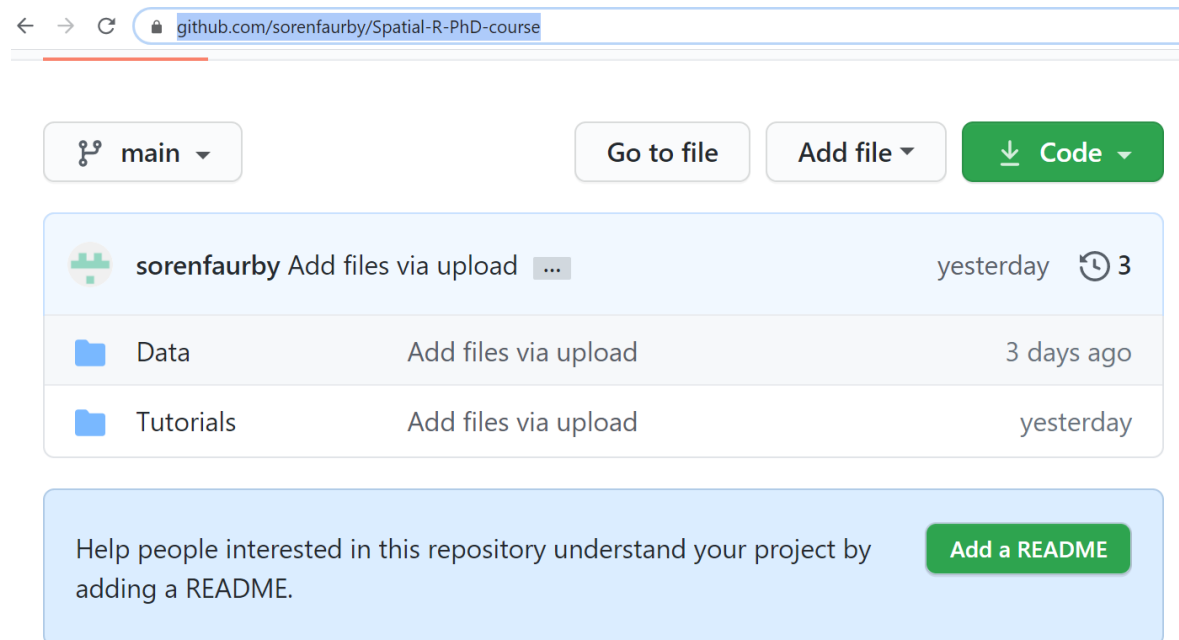


Data

Tutorials:

<https://github.com/sorenfaurby/Spatial-R-PhD-course/>

Download everything after clicking on the green Code field





Studio[®]



slack



stack overflow

Spatial orientation



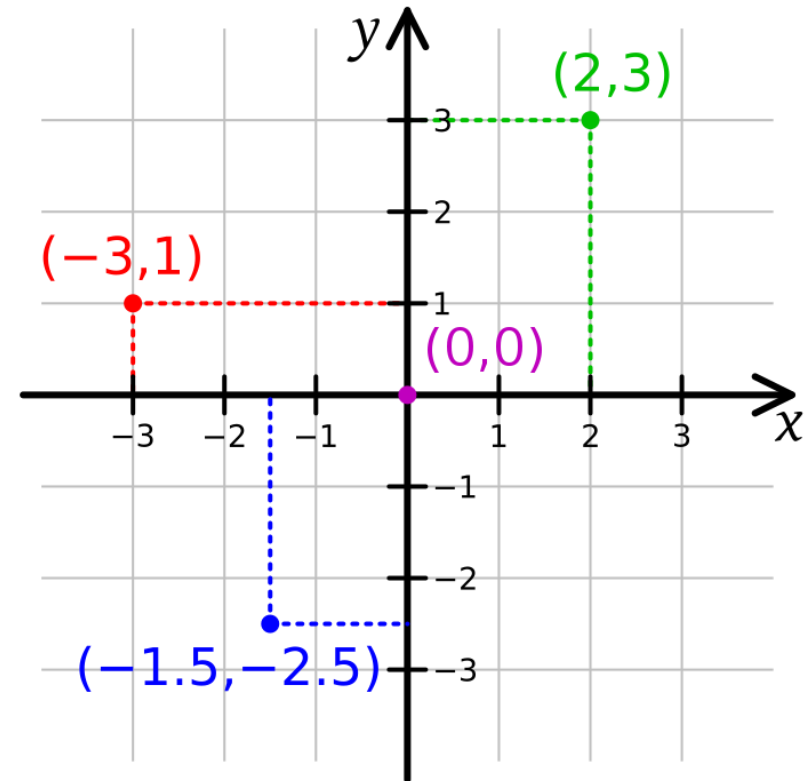
coordinates gothenburg

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About 309 000 results (0,62 seconds)

Gothenburg / Coordinates

57.7089° N, 11.9746° E



Datatype: Polygon



Datatype: Rasters

- Conceptually think of an aeral photo
- Each pixel has
 - Dimensions (X and Y axis)
 - Midpoint coordinates
 - Color

