M01-1: Project Data

Things you need for this project work

- R — the interpreter can be installed on any operation system. For Linux, you should use the r-cran packages supplied for your Linux distribution. If you use Ubuntu, this is one of many starting points. If you use Windows, you could install R from the official CRAN web page.

- R Studio — we recommend to use R Studio for (interactive) programming with R. You can download R Studio from the official web page.

Furthermore, those of you who analyze the possible connection between terrain characteristics and land cover will inevitably require a digital elevation model (DEM). Here, possible candidates originate from (but are not limited to)

- the Shuttle Radar Topography Missing (SRTM) and
- the Advanced Spaceborne Thermal Emission and Reflection Radiometer (ASTER).

Both missions provide DEMs that come at a spatial resolution of approximately 30 m, which should be totally sufficient for our purposes. In order to get a hold of the corresponding raster images, either use

```
library(geodata)
elevation_30s(country = "CVP") # this will download elevation data in 90m
resolution for Cabo Verde
```

From:
https://www.geotraining.de/ - **Summer School: GeoTraining**

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