Universität Potsdam

Remote Sensing of the Environment

Wintersemester 2024-2025

Lab 1

Prof. Dr. Bodo Bookhagen

Hanna Kretz

Matrikelnummer: 824063

27.10.2024

Question 1

The data which was used to create the map shown in Figure 1 was downloaded via NASA EarthData.
The dataset was found by filtering for *.tiff files.
It is particularly interesting because it shows the worldwide soil moisture. The spatial resolution of the
data is unfortunately not high, as you can see individual pixels, but the map can still be analysed well, as
dry and moist areas can be easily distinguished.
Unfortunately, no scale bar could be added, probably because the data for it is missing in the downloaded
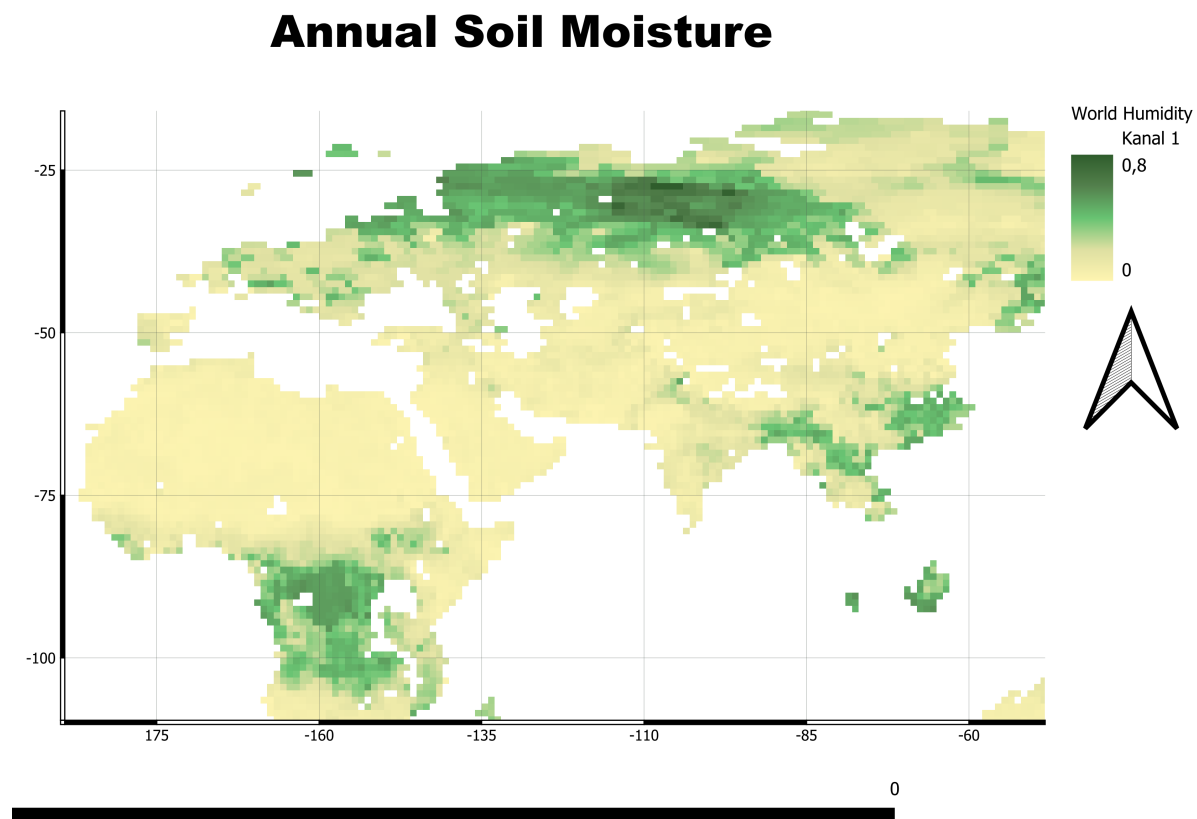dataset.

Figure 1: Map

Question 2

The histogram shown in Figure 2 was created with Matlab using seven different tables in *.csv format.
Those tables were build the same way as explained in the instructional video.
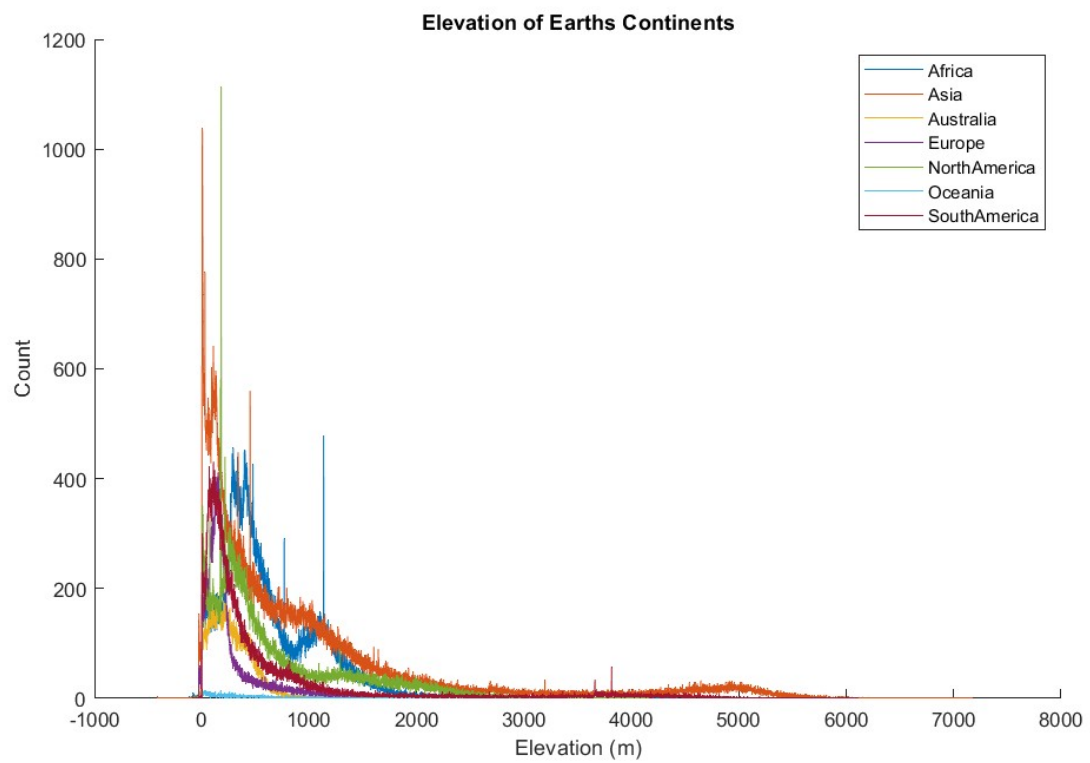
Figure 2: Histogram