mvPot: Estimating the Spatial Dependence of Extreme Temperature over the Red Sea

- Mandatory:

  1. `R` packages: sp, ggplot2, evd, mvPot. These all can be downloaded from CRAN.

- Recommended:

  1. Suggested `R` packages: ggmap. To install the last version use:

     ```
     devtools::install_github("dkahle/ggmap")
     ```

     To download background maps and use ggmap, you will need a google API key. To obtain one, you can find instructions here:

     https://developers.google.com/maps/documentation/geocoding/get-api-key

     Once you get an API key, copy/paste it in the file `google_api_key.txt`.

  2. For easier presentation, the workshop is given with Jupyter Notebook. To get Jupyter, you can simply install Anaconda; instructions for linux can be found here:

     http://docs.anaconda.com/anaconda/install/linux/

     You can also find instructions for MaxOS and Windows on the same website. By default, Jupyter Notebook is set up for `Python`. To add the `R` kernel, follow the instructions here:

     https://docs.anaconda.com/anaconda/navigator/tutorials/r-lang/

     Once this is done, you can start Jupyter by just typing 'jupyter notebook' in a console (preferentially from the folder containing the notebook). This will open a page on your web browser with Jupyter interface.