

# Data Science Laboratory 1

## Lab 2

1. Read the data at <https://www.metoffice.gov.uk/pub/data/weather/uk/climate/datasets/Tmean/date/UK.txt> representing gridded mean air temperature data for the UK since 1884. Calculate:
  - (a) The month and year of the most extreme temperatures on the record.
  - (b) The temperature for a given month and year. Print this out upon request.
2. Parse the HTML of the ‘Astronomy Picture of the Day’ (APOD) website <https://apod.nasa.gov/apod/astropix.html> to automatically download the most recent picture. Crop out the central  $256 \times 256$  pixels and save as a local JPEG.

Extension: explore the use of visualisation using matplotlib (or other package) to display the UK weather data linked above.

Remember: use GitHub to maintain your code!