Assignment description

We would like you to analyze and present elaborated data from an agricultural application map.

The yield maps are georeferenced files created by agricoltural machinery (such as tractors, harvester, etc.) containing the actual result of harvesting products on the field. In this case, you have a harvesting in the Jolanda Di Savoia plains.

Below is a brief description of the attributes of the file:

* **Longitudin/Latitudine** geo-references of the acquisitions, CSR is in EPSG:4326
* **RESAKG** the amount of the product harvested acquired, kg
* **VELOCITA**, the speed of the harvester, in km/h
* **AREA**, the area harvested since the last acquisition, in mq
* **UMIDITA**, the average relative humidity of the product

You will have to process the following:

1. the data shall be treated to cleanse them for further processing (explain the steps taken).

2. spatially interpolate the resulted data (explain the algorithm/s used, input data format, output data format).

3. correlate the results with an average vegetational vigor index of your choice calculated over the last year for that field

Good luck!