Exercise

Consulting the [MIAPPE checklist](), please fill in the [MIAPPE canvas]() for the mock dataset described below. You are expected to look up the [Woody Plant Ontology]() at www.cropontology.org for details on the cork quality parameters.

Don't worry about being too exhaustive. The key part of the exercise is understanding how to organize the information and where to look for ontology terms.

Dataset Description

The experiment aimed at assessing the impact of yearly pruning on cork quality, as part of a project focused on assessing the effects of different kinds of forest management techniques on the *montado* habitat.

The project was based on a forest planted in 1973 at the Estação Agronómica with clones of a parent cork oak tree (*Quercus suber*), and pruned annually from 1978 until 2008. For this experiment, four trees were randomly selected from the forest. For two of these trees, the pruning ceased for the duration of the experiment. For the other two trees, annual pruning continued. Apart from pruning, trees were grown in wild conditions. The experiment was concluded in 2018, after ten years.

Cork quality was assessed yearly, one month after pruning, by evaluating cork porosity (based on nail size, in mm^2), cork discontinuities (in mm^2) and cork thickness (before boiling) for each tree.

The pruning process consisted of eliminating low branches, reducing crown diameter, leaving some branches in the middle of the crown which would overshadow first-order branches and ensure a round-shaped crown.

The average length of the light period for the duration of the experiment was 8:16h, the average day temperature was 22°C, and the average night temperature was 14°C.

Dataset submission date: today
Contact person: you
Contact institution: ITQB NOVA, Av. da República, 2775-412 Oeiras, Portugal

Name	Latitude	Longitude
Experimental Site	38.69925	-9.317
Parent Tree	38.7012	-9.31633
Tree 1 (pruned)	38.69962	-9.31779
Tree 2 (pruned)	38.69921	-9.31769
Tree 3 (unpruned)	38.69937	-9.31612
Tree 4 (unpruned)	38.69982	-9.31678