

This dataset includes bands of infrared hyperspectral imaging data of potatoes, and the class is 0 (resp. 1) when scab is absent (resp. present). The dataset has:

- 126 instances
- 256 inputs
- 2 classes

The data are in the file scab.dat. Each input is standardized with mean zero and standard deviation one. The file partitions.dat includes 10 groups of 3 lines, each group associated to a random partition of the available data. The first line in each group contains the indices of the training patterns (50% of the patterns); the second line contains the indices of the validation patterns (25% of the patterns); the third line contains the indices of the test patterns (25% of the patterns).

Reference

```
@inproceedings{daca11,  
author = "{Dacal-Nieto, A. and Formella, A. and Carri\`on, P. and V\`azquez-Fern\`andez, E. and Fern\`andez-Delgado, M.}",  
booktitle = "Proc. Int. Conf. on Image Analysis and Processing",  
title="{Common scab detection on potatoes using an infrared hyperspectral imaging}",  
year = 2011,  
series = "{Springer LNCS}",  
number = "{6979}",  
pages = "{303–312}"  
}
```

License



This work is licensed under a Creative Commons Attribution 4.0 International License.

You can use this dataset on your publication as long as you include a citation to the reference on this page. When including a link to this dataset, please use this page instead of linking the file directly.

INFORMACIÓN

Investigadores
Eva Cernadas García
Manuel Fernández Delgado

DESCARGAR

- 📁 Repositorio Gitlab
- 📄 Descargar de Gitlab

PUBLICACIONES

Common scab detection on potatoes using an infrared hyperspectral imaging
16th International Conference on Image Analysis and Processing, 2011