

Honeybee Pollen

This dataset includes inputs which are texture features extracted from images of honeybee pollen loads captured by a stereomicroscope connected to a digital camera. The classes are the plant species: Cytisus, Castanea, Quercus, Rubus and Raphanus. The dataset has:

- 2600 instances
- 70 inputs
- 5 classes

The data are in the file `honeybee_pollen.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

```
@article{carrion04,
author = "{Carri\`on, P. and Cernadas, E. and G\`alvez, J.F. and S\`a-Otero, P.}",
title = "{Classification of honeybee pollen using a multiscale texture filtering scheme}",
journal = "{Machine Vision and applications}",
volume = "15",
pages = "186–193",
year = "2004"
}
```

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INFORMACIÓN

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