Seeds

Donated on 9/28/2012

Measurements of geometrical properties of kernels belonging to three different varieties of wheat. A soft X-ray technique and GRAINS package were used to construct all seven, real-...

Dataset Characteristics
Multivariate

Subject Area
Biology

Associated Tasks
Classification, Clustering

Feature Type
Real

 # Instances
210

 # Features
-

Dataset Information ⌃

Additional Information

The examined group comprised kernels belonging to three different varieties of wheat: Kama, Rosa and Canadian, 70 elements each, randomly selected for
the experiment. High quality visualization of the internal kernel structure was detected usin...

Has Missing Values?

No

Introductory Paper ⌃

[Complete Gradient Clustering Algorithm for Features Analysis of X-Ray Images](#)

By M. Charytanowicz, J. Niewczas, P. Kulczycki, Piotr A. Kowalski, Szymon Łukasik, Slawomir Zak. 2010
Published in Information Technologies in Biomedicine

Variable Name	Role	Type	Description	Units	Missing Values
					no
					no
					no
					no
					no
					no
					no

Rows per page (5)   0 to 7 of 7   ‹   ›

Additional Variable Information ∧

To construct the data, seven geometric parameters of wheat kernels were measured:
1. area A,
2. perimeter P, ...

Dataset Files ∧

File	Size
seeds_dataset.txt	9.1 KB

Papers Citing this Dataset ∧

Published in ArXiv.

[Statistical Inference Using Mean Shift Denoising](#)
By Yunhua Xiang, Yen-Chi Chen. 2016
Published in

[Diversity-Driven Widening of Hierarchical Agglomerative Clustering](#)
By Alexander Fillbrunn, Michael Berthold. 2015
Published in IDA.

[Clustering Heterogeneous Data with k-Means by Mutual Information-Based Unsupervise...](#)
By Min Wei, Tommy Chow, Rosa Chan. 2015
Published in Entropy.

[MBACT-Multiclass Bayesian Additive Classification Trees](#)
By Bereket Kindo, Hao Wang, Edsel Pena. 2013
Published in

Rows per page (5)   0 to 5 of 8   ‹   [ ]

Reviews ⌃

There are no reviews for this dataset yet.   [WRITE A REVIEW]

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[CITE]

Creators

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