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banknote authentication Data Set

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Abstract: Data were extracted from images that were taken for the evaluation of an authentication procedure for banknotes.

Data Set Characteristics:	Multivariate	Number of Instances:	1372	Area:	Computer
Attribute Characteristics:	Real	Number of Attributes:	5	Date Donated	2013-04-16
Associated Tasks:	Classification	Missing Values?	N/A	Number of Web Hits:	40610

Source:

Owner of database: Volker Lohweg (University of Applied Sciences, Ostwestfalen-Lippe, [volker.lohweg '@' hs-owl.de](mailto:volker.lohweg@hs-owl.de))

Donor of database: Helene Dörksen (University of Applied Sciences, Ostwestfalen-Lippe, [helene.doerksen '@' hs-owl.de](mailto:helene.doerksen@hs-owl.de))

Date received: August, 2012

Data Set Information:

Data were extracted from images that were taken from genuine and forged banknote-like specimens. For digitization, an industrial camera usually used for print inspection was used. The final images have 400x 400 pixels. Due to the object lens and distance to the investigated object gray-scale pictures with a resolution of about 660 dpi were gained. Wavelet Transform tool were used to extract features from images.

Attribute Information:

1. variance of Wavelet Transformed image (continuous)
2. skewness of Wavelet Transformed image (continuous)
3. curtosis of Wavelet Transformed image (continuous)
4. entropy of image (continuous)
5. class (integer)

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