

Vertebral Colum Data Description

Source

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Data Set Information

Biomedical data set built by Dr. Henrique da Mota during a medical residence period in the Group of Applied Research in Orthopaedics (GARO) of the Centre Médico-Chirurgical de Réadaptation des Massues, Lyon, France. The data have been organized for a classification task. The task consists in classifying patients as belonging to one out of three categories: Normal (100 patients), Disk Hernia (60 patients) or Spondylolisthesis (150 patients).

Attribute Information

Number of Instances: 310

Number of Attributes: 6 (all attributes continuous valued)

Number of Classes: 3 (all classes categorically labeled)

Attributes (variables):

Each patient is represented in the data set by six biomechanical attributes derived from the shape and orientation of the pelvis and lumbar spine (in this order):

X1: pelvic incidence

X2: pelvic tilt

X3: lumbar lordosis angle

X4: sacral slope

X5: pelvic radius

X6: grade of spondylolisthesis.

Type of disease (class attribute)

DH: Disk Hernia

SL: Spondylolisthesis

NO: Normal

Note: Delete the “Class” column from the data table before presenting the data for principal component analysis or factor analysis.