



# Vertebral Column

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Data set containing values for six biomechanical features used to classify orthopaedic patients into 3 classes (normal, disk hernia or spondilolysthesis) or 2 classes (normal or abnormal).

## Dataset Characteristics

Multivariate

## Subject Area

Health and Medicine

## Associated Tasks

Classification

## Feature Type

Real

## # Instances

310

## # Features

6

## Dataset Information

### Additional 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 MÃ©dico-Chirurgical de RÃ©adaptation des Massues, Lyon, France. The data have been organized in two different but...

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### Has Missing Values?

No

## Variables Table



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Variable Name	Role	Type	Description	Units	Missing Values
pelvic_tilt	Feature	Continuous			no
lumbar_lordosis_angle	Feature	Continuous			no
sacral_slope	Feature	Continuous			no
pelvic_radius	Feature	Continuous			no
degree_spondylolisthesis	Feature	Continuous			no
class	Target	Categorical			no

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### Additional Variable Information

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): pelvic incidence, pelvic tilt, lumbar lordosis angle, sacral slope, pelvic radius and grade of spondylolisthesis. The following...

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### Papers Citing this Dataset

 SORT BY YEAR, DESC

#### [Data Poisoning against Differentially-Private Learners: Attacks and Defenses](#)

By Yuzhe Ma, Xiaojin Zhu, Justin Hsu. 2019  
Published in ArXiv.

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## DOI

10.24432/C5K89B

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