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Cervical cancer (Risk Factors) Data Set
Download: Data Folder, Data Set Description

Abstract: This dataset focuses on the prediction of indicators/diagnosis of cervical cancer. The features cover demographic information, habits, and historic medical records.

Data Set Characteristics:	Multivariate	Number of Instances:	858	Area:	Life
Attribute Characteristics:	Integer, Real	Number of Attributes:	36	Date Donated	2017-03-03
Associated Tasks:	Classification	Missing Values?	Yes	Number of Web Hits:	161532

Source:

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Jaime S. Cardoso - INESC TEC & FEUP, Porto, Portugal.
Jessica Fernandes - Universidad Central de Venezuela, Caracas, Venezuela.

Data Set Information:

The dataset was collected at 'Hospital Universitario de Caracas' in Caracas, Venezuela. The dataset comprises demographic information, habits, and historic medical records of 858 patients. Several patients decided not to answer some of the questions because of privacy concerns (missing values).

Attribute Information:

(int) Age
(int) Number of sexual partners
(int) First sexual intercourse (age)
(int) Num of pregnancies
(bool) Smokes
(bool) Smokes (years)
(bool) Smokes (packs/year)
(bool) Hormonal Contraceptives

(int) Hormonal Contraceptives (years)
(bool) IUD
(int) IUD (years)
(bool) STDs
(int) STDs (number)
(bool) STDs:condylomatosis
(bool) STDs:cervical condylomatosis
(bool) STDs:vaginal condylomatosis
(bool) STDs:vulvo-perineal condylomatosis
(bool) STDs:syphilis
(bool) STDs:pelvic inflammatory disease
(bool) STDs:genital herpes
(bool) STDs:molluscum contagiosum
(bool) STDs:AIDS
(bool) STDs:HIV
(bool) STDs:Hepatitis B
(bool) STDs:HPV
(int) STDs: Number of diagnosis
(int) STDs: Time since first diagnosis
(int) STDs: Time since last diagnosis
(bool) Dx:Cancer
(bool) Dx:CIN
(bool) Dx:HPV
(bool) Dx
(bool) Hinselmann: target variable
(bool) Schiller: target variable
(bool) Cytology: target variable
(bool) Biopsy: target variable

Relevant Papers:

Kelwin Fernandes, Jaime S. Cardoso, and Jessica Fernandes. 'Transfer Learning with Partial Observability Applied to Cervical Cancer Screening.' Iberian Conference on Pattern Recognition and Image Analysis. Springer International Publishing, 2017.

Citation Request:

Kelwin Fernandes, Jaime S. Cardoso, and Jessica Fernandes. 'Transfer Learning with Partial Observability Applied to Cervical Cancer Screening.' Iberian Conference on Pattern Recognition and Image Analysis. Springer International Publishing, 2017.

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