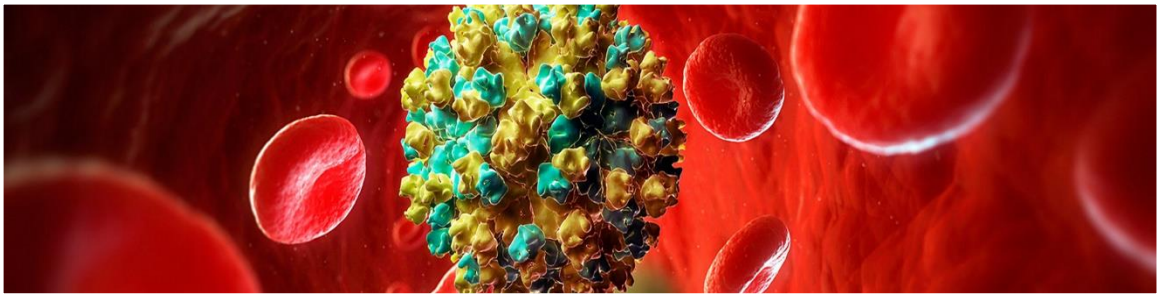

HEPATITIES-C-PREDICTION

Context

The data set contains laboratory values of blood donors and Hepatitis C patients and demographic values like age.

Content

All attributes except Category and Sex are numerical.
Attributes 1 to 4 refer to the data of the patient:
1) X (Patient ID/No.)
2) Category (diagnosis) (values: '0=Blood Donor', '0s=suspect Blood Donor', '1=Hepatitis', '2=Fibrosis', '3=Cirrhosis')
3) Age (in years)
4) Sex (fm)
Attributes 5 to 14 refer to laboratory data:
5) ALB =Albumin Blood Test
6) ALP = Alkaline Phosphatase
7) ALT = Alanine Transaminase
8) AST = Aspartate Transaminase
9) BIL = Bilirubin
10) CHE = Acetylcholinesterase
11) CHOL = Cholesterol
12) CREA = Creatinine
13) GGT = Gamma-Glutamyl Transferase
14) PROT = Proteins

The target attribute for classification is Category (2): blood donors vs. Hepatitis C patients (including its progress ('just' Hepatitis C, Fibrosis, Cirrhosis).

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Relevant Papers

Lichtinghagen R et al. J Hepatol 2013; 59: 236-42
Hoffmann G et al. Using machine learning techniques to generate laboratory diagnostic pathways â€“ a case study. J Lab Precis Med 2018; 3: 58-67