

Applied Intelligent Data and Text Analytics

Heart Failure Clinical Records

Dataset Information:

A detailed description of the dataset can be found in the Dataset section of the paper listed below.

Source:

For more information, please check Table 1, Table 2, and Table 3 of the following paper:

Davide Chicco, Giuseppe Jurman: "Machine learning can predict survival of patients with heart failure from serum creatinine and ejection fraction alone". *BMC Medical Informatics and Decision Making* 20, 16 (2020).

<https://archive.ics.uci.edu/ml/datasets/Heart+failure+clinical+records>

Attribute Information:

Thirteen (13) clinical features:

- age: age of the patient (years)
- anaemia: decrease of red blood cells or hemoglobin (boolean)
- high blood pressure: if the patient has hypertension (boolean)
- creatinine phosphokinase (CPK): level of the CPK enzyme in the blood (mcg/L)
- diabetes: if the patient has diabetes (boolean)
- ejection fraction: percentage of blood leaving the heart at each contraction (percentage)
- platelets: platelets in the blood (kiloplatelets/mL)
- sex: woman or man (binary)
- serum creatinine: level of serum creatinine in the blood (mg/dL)
- serum sodium: level of serum sodium in the blood (mEq/L)
- smoking: if the patient smokes or not (boolean)
- time: follow-up period (days)
- [target] death event: if the patient deceased during the follow-up period (boolean)