Report
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Abstract

According to last meta-analysis published 2018 that Cardiovascular disease (CVD) is associated with significant morbidity and mortality.1 In order to reduce the burden of CVD.

The project goals

Determine Burden and severity of CVD risk factors and control of these risk factors and detect heart failure expected help in planning and increase capacity ministry of health.
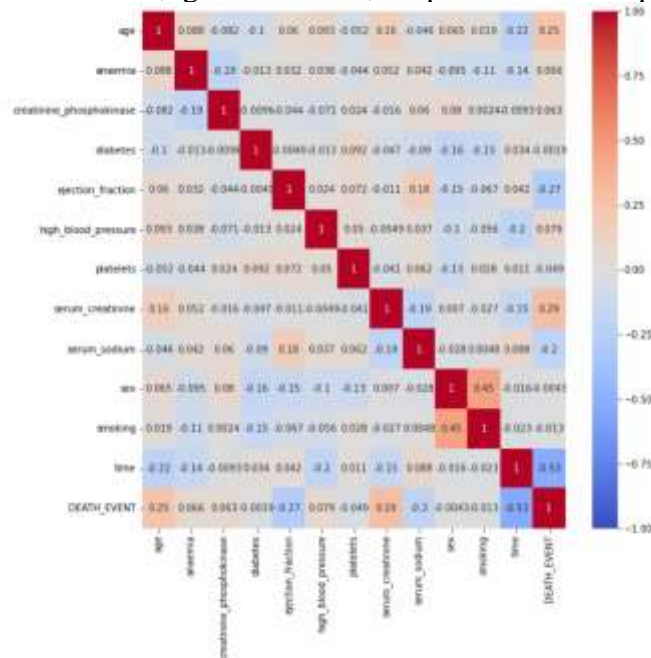
About data

Cardiovascular research center Open-source data

Modeling

Use logistic regression because the outcome variable Is binary

The tools

sklearn, lightgbm و Seaborn,xgboost.Pandas,Matplotlib And numpy

Why use heat map

To show relation between two variable ,The color help to summary frequency, Visualization heart risk factors ,Correlogram risk ratio and Easy to explain stakeholder

The conclusion

The heart disease is still the higher death rate and we need to increase capacity of heart center and awareness of heart disease risk

The male gender and smoking show the most group have heart disease this main to increase the awareness among this category high sodium intake show effect on kidney and blood pressure that cause heart disease also need-aware the community about sodium and salt risk

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