

Análise de desempenho de modelos de Aprendizado de máquina na base de dados Heart Disease*

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Abstract—

***Index Terms*—Banco de dados, Aprendizado Estatístico.**

I. INTRODUÇÃO

As doenças cardíacas representam

O objetivo do artigo é analisar a relação entre os fatores de risco associados à presença de doenças cardíacas e analisar classificadores de machine learning para realizar a identificação de doenças cardíacas.

II. BASE DE DADOS

Foram utilizadas bases de dados contendo dados da cidade de Cleveland. Um total de 303 registros compõem a base. A base contém 14 atributos, sendo eles

– 1. 3 (age) – 2. 4 (sex) – 3. 9 (cp) – 4. 10 (trestbps) – 5. 12 (chol) – 6. 16 (fbs) – 7. 19 (restecg) – 8. 32 (thalach) – 9. 38 (exang) – 10. 40 (oldpeak) – 11. 41 (slope) – 12. 44 (ca) – 13. 51 (thal) – 14. 58 (num)

III. QUESTÕES ANALÍTICAS

Defina questões analíticas e hipóteses sobre os Datasets: técnicas estatísticas aplicadas à seleção e definição de dados a serem aplicados em experimentos computacionais.

Será analisada a relação entre a prática de atividade física e a predominância de doenças cardíacas. Questões levantadas.

- 1. A idade e o sexo estão relacionados com a presença de doença cardíaca?
- 2. Como a frequência cardíaca máxima (thalach) e o nível de colesterol (chol) variam entre pacientes com e sem doença cardíaca?
- 3. Existe diferença no risco de doença cardíaca entre os diferentes tipos de dor no peito (cp)?

Identify applicable funding agency here. If none, delete this.

IV. MÉTODOS E MATERIAIS

Traduza as questões: em ações e procedimentos a serem adotados em cada uma das etapas do ciclo de vida dos dados: Planejamento, ..., Análise/Visualização/Publicação

V. RESULTADOS OBTIDOS

Comparação entre os modelos

VI. CONCLUSÃO

Publicação: Os trabalhos devem ser disponibilizados na comunidade - Big Data Analytics Research Group of Escola Politécnica da Universidade de São Paulo - Zenodo (zenodo.org).

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