Lab - 2

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Data preprocessing

Feature Transformation

- Feature scaling
  - Ideal range → (-1, 1)
  - MinMax Scaling
    - xi - x_min / x_max - x_min
  - Pre read
    - Mean normalisation
    - divide by max
- Feature encoding
- Label endoding
  - based on the priority we give the numerical forms
    - btect - 0

        - m.tect - 1
        - phd - 2
- One hot encoding
    - based on the row or the iteration the value of it changes

Sex	NUM(Male)	NUM(Female)
Male	1	0
Female	0	1

```
from sklearn.preprocessing import OneHotEncoder, LabelEncoder
```