Stroke prediction

1. Review
2. ML process
3. Decision Tree
4. Project

Stroke prediction

1. **Review**
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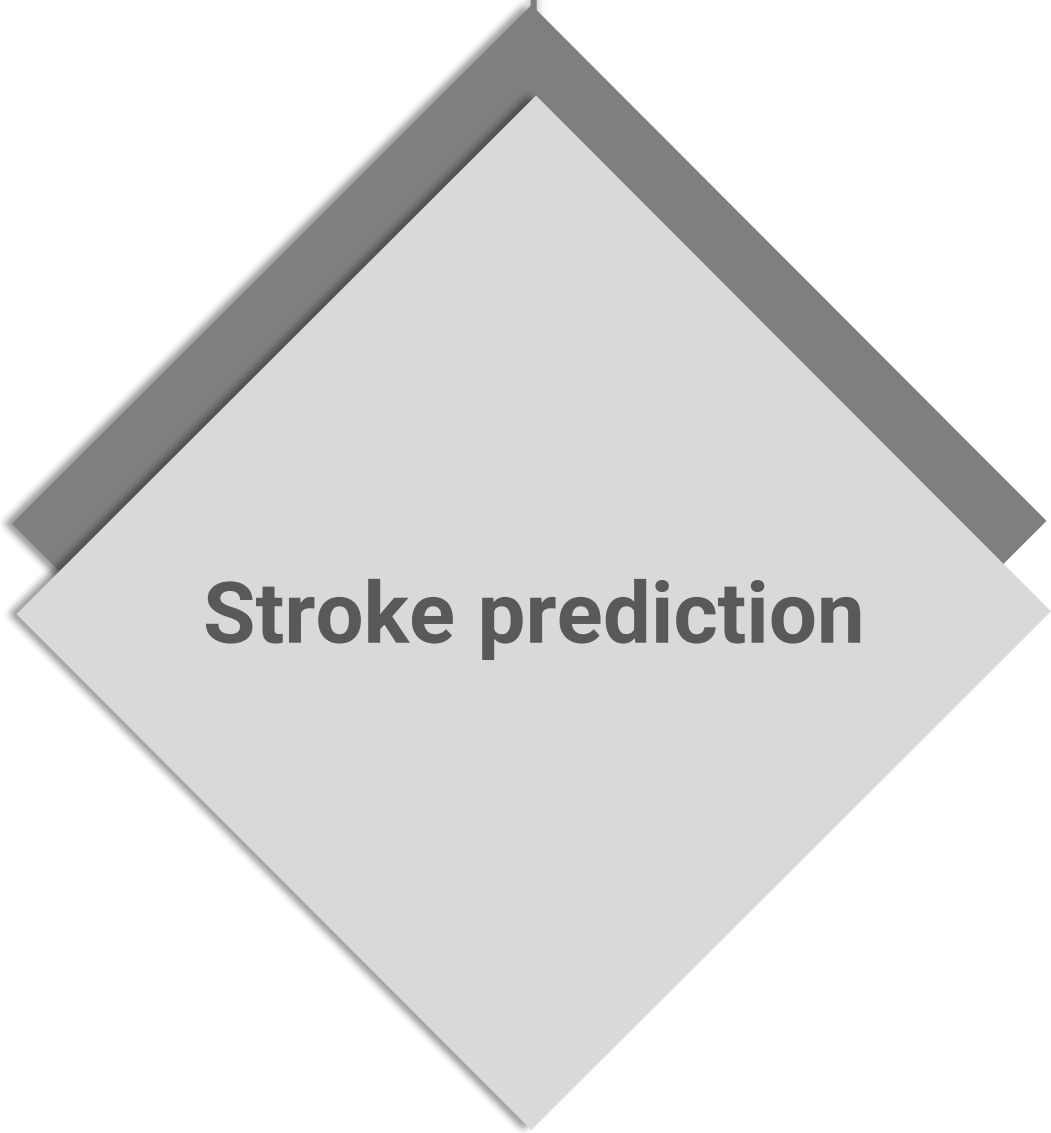


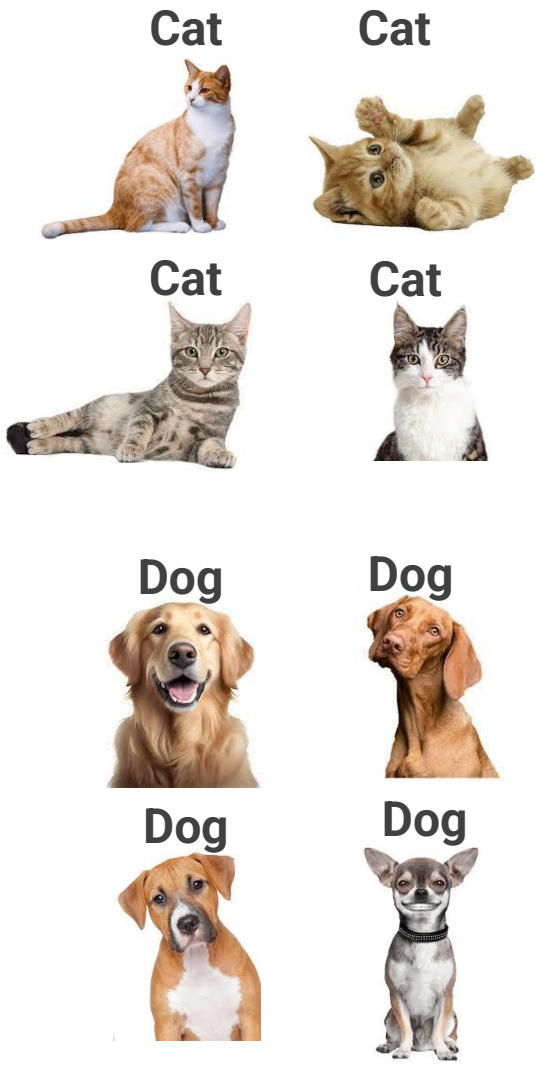
1. Review

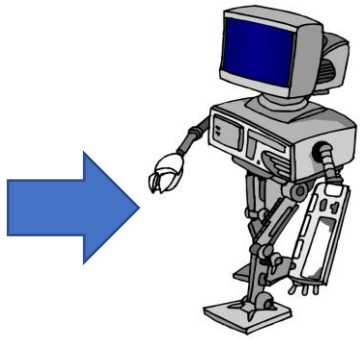
There are two types of problems that we use ML to solve:

Supervised

Unsupervised

1. Review





Supervised

Supervised

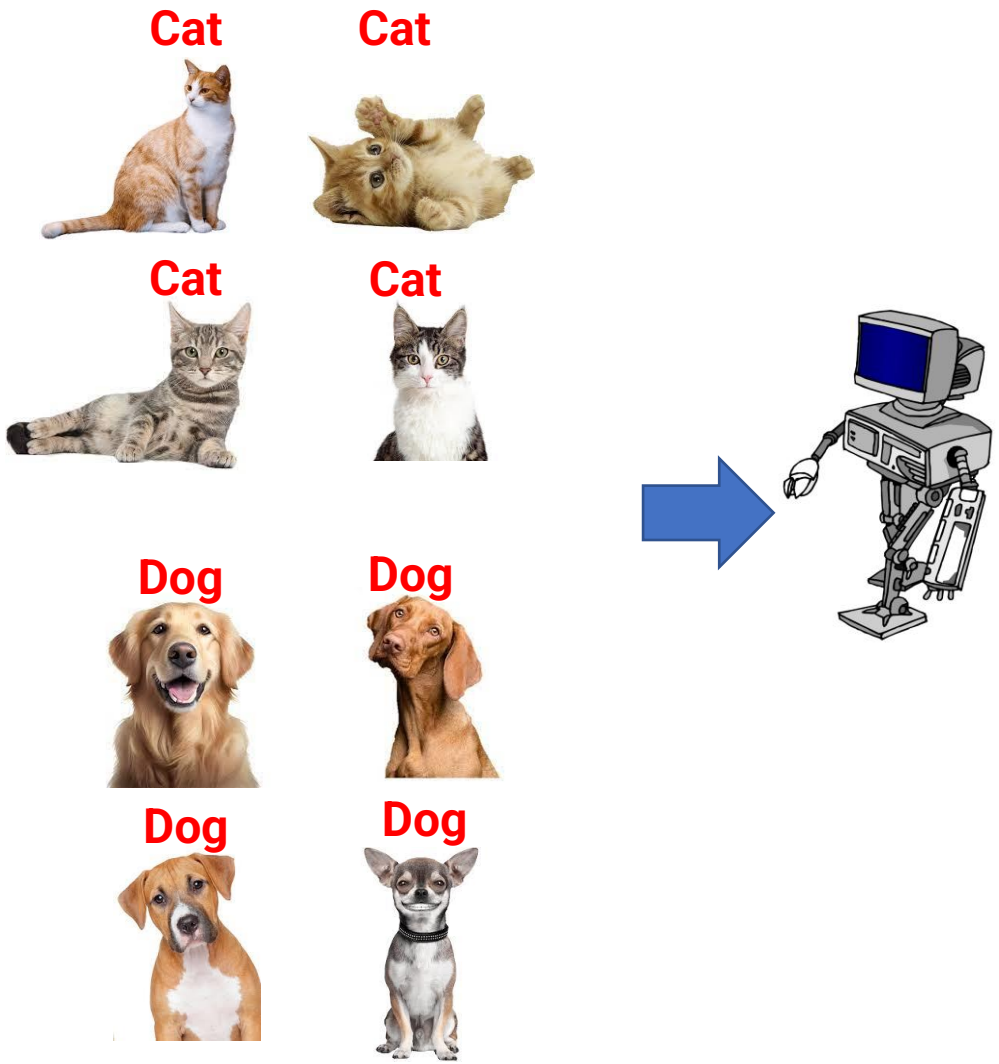
The data has label

AI predicts the label and tries to classify based on its learning

In other words, it tries to Classify

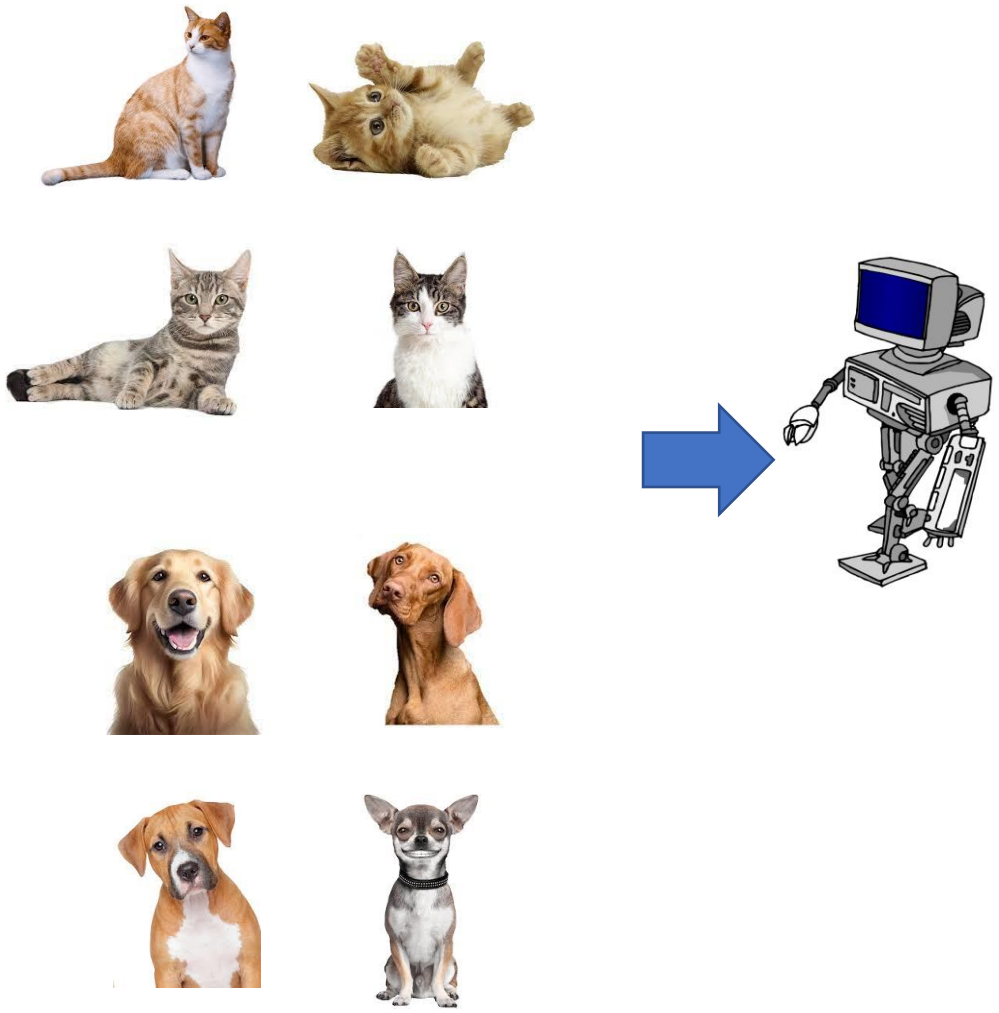
Supervised learning -> Classification

1. Review



Unsupervised

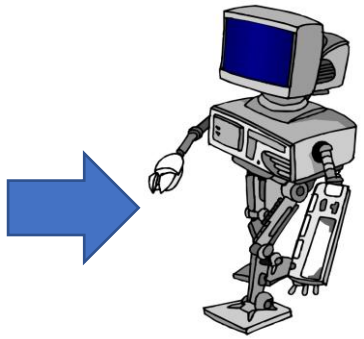
1. Review

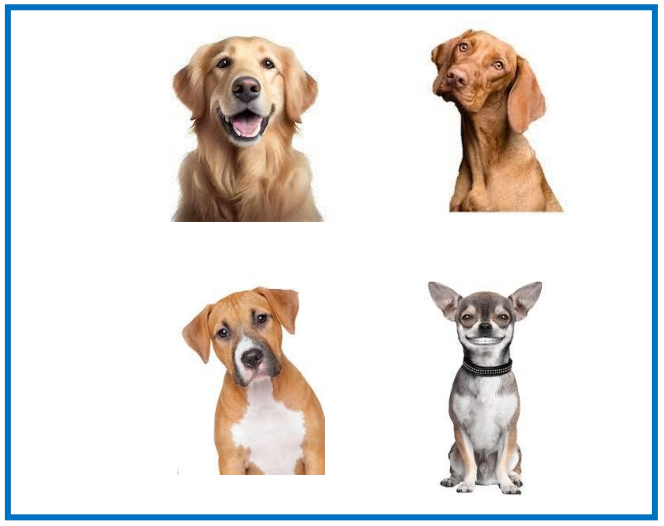


Unsupervised

1. Review

I think these are similar!





And these are similar to each other!

Unsupervised

The data has NO label

AI tries to understand the similarities and find the patterns in data.
It tries to predict if the input is similar to which group (cluster)

In other words, it tries to find a cluster of similar data

Unsupervised learning -> Clustering

Unsupervised

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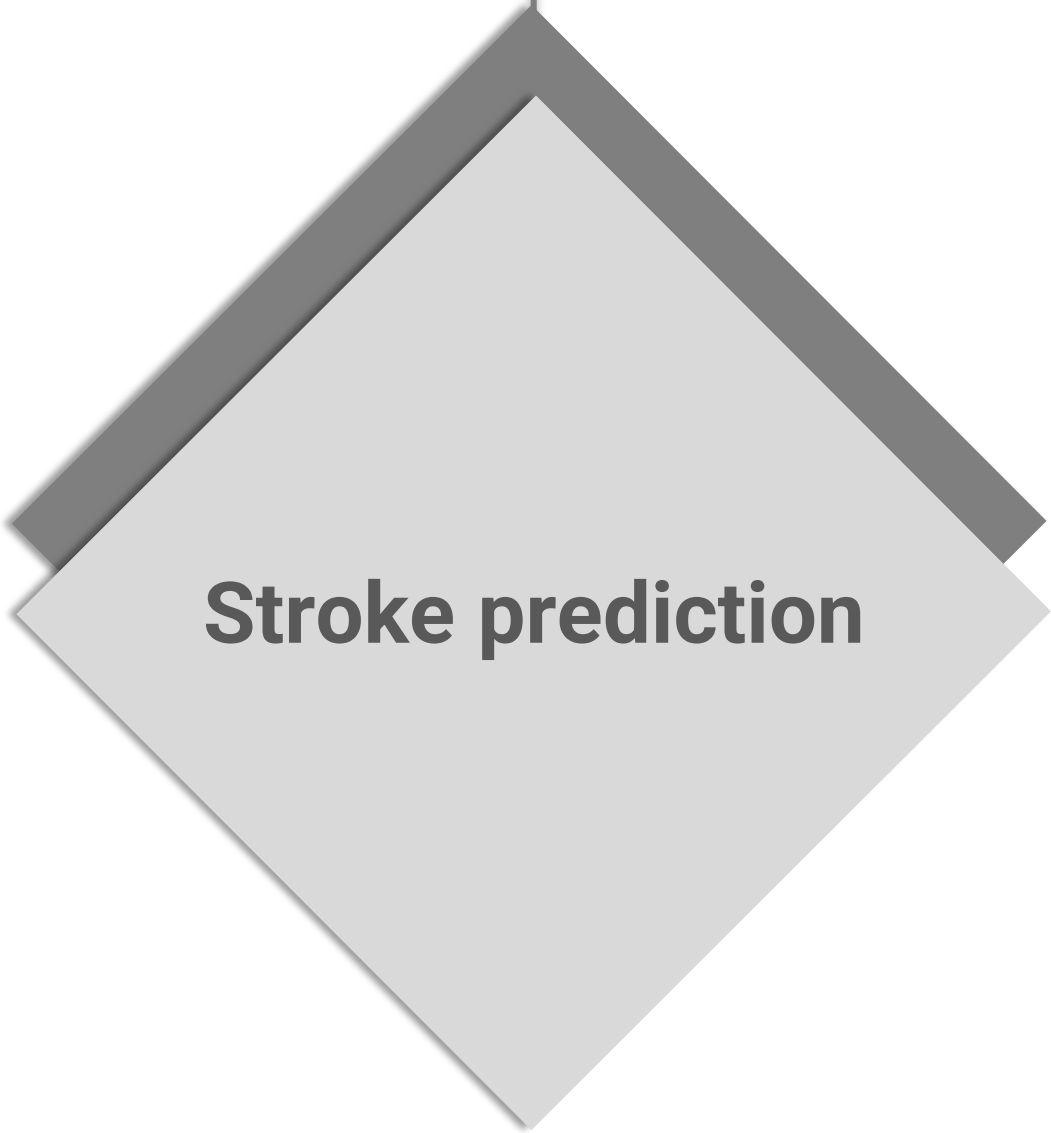

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2. ML process

Data

2. ML process

Data

Analyzing

2. ML process

- Data
- Analyzing
- Preprocessing

2. ML process

2. ML process

- Data
- Analyzing
- Preprocessing
- Select ML algorithm

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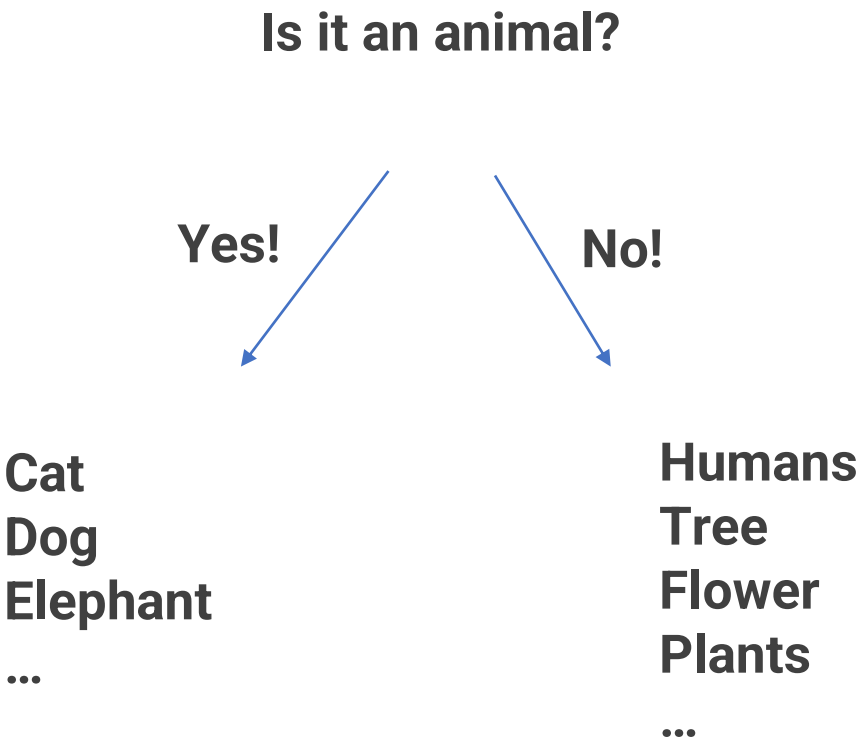
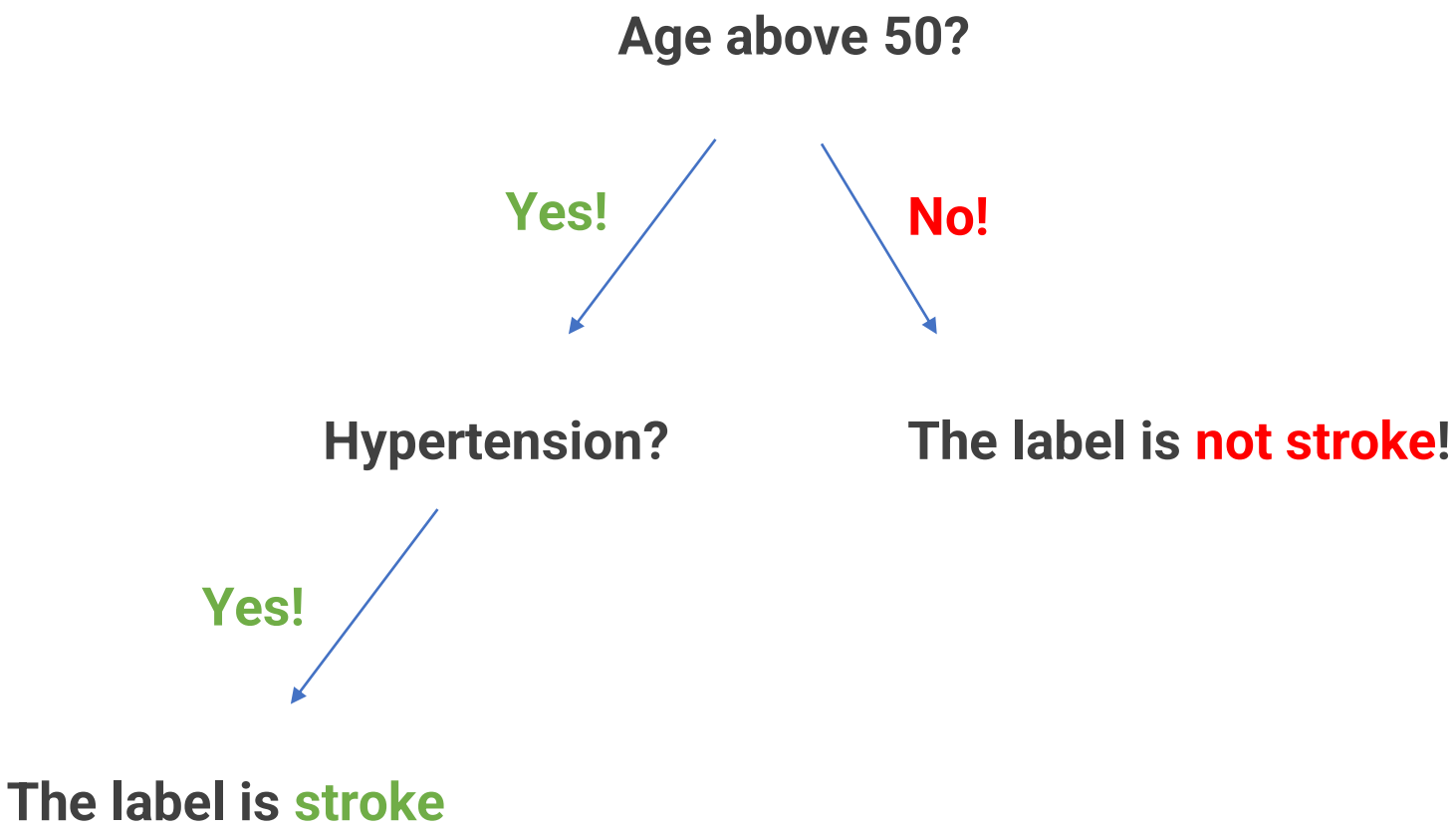
3. Decision Tree



3. Decision Tree



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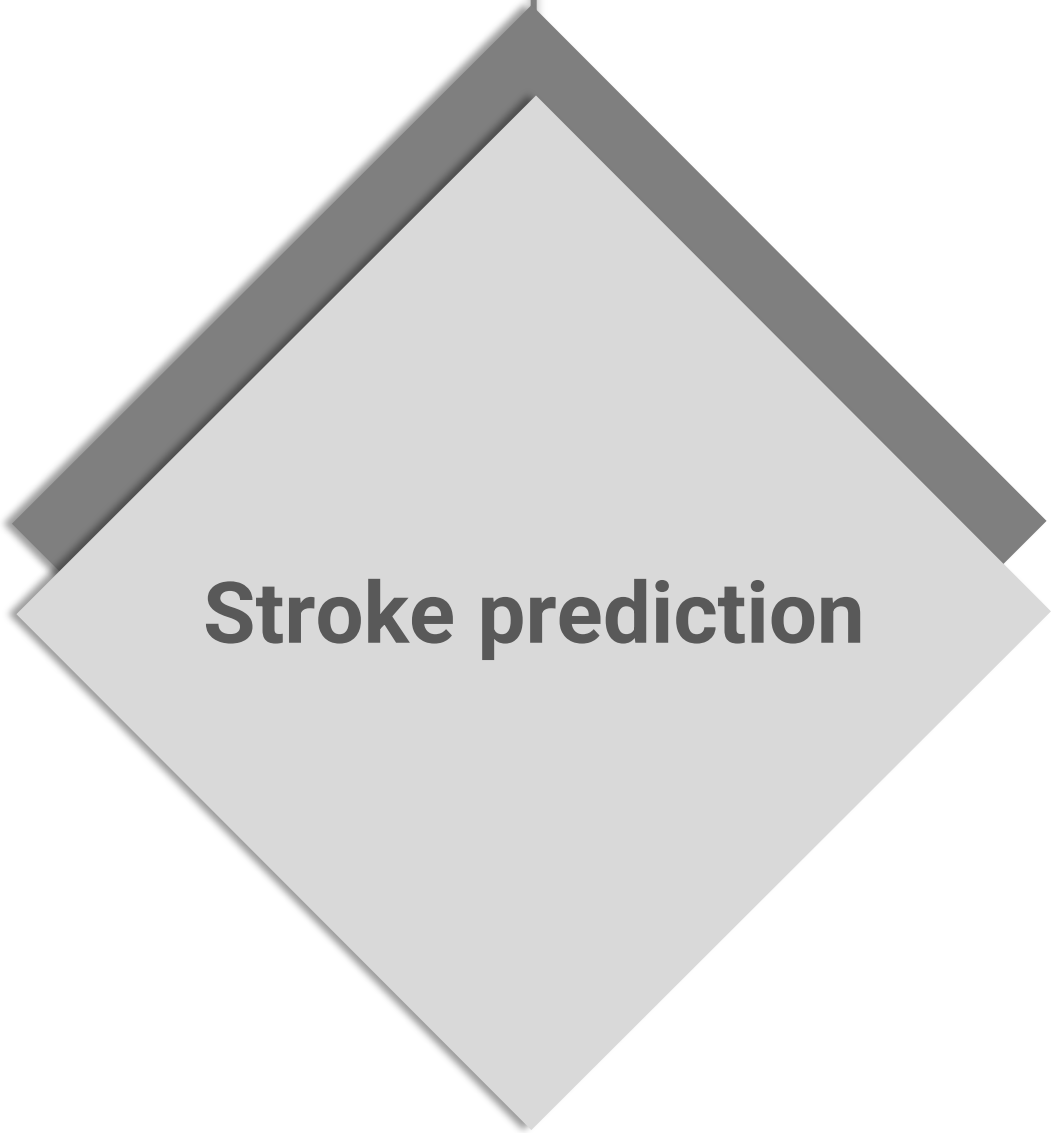

Questions?

Homework

1. Use the data set:
   - Report all the important points that you can see in the data.
   - Analyze each feature and write your thoughts
   - Perform the preprocessing steps on the data