What is the difference between classification and regression? Think of examples of classification and regression.

What is a label and what are other names used for label?

Text

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How to use a linear model used for regression to form binary classification?

Text

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How does SGD classifier work? How does decision trees work? How to use them in sklearn?

Graphical user interface, text, application

Description automatically generated

Diagram

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What is Gini impurity metric? What is CART?

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Graphical user interface, text, application

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What are different classification methods we have in sklearn?

What are performance metrics used in regression? What are performance metrics used in classification?

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What is positive and negative in classification? What are true negative, false negative, true positive and false positive in classification? Does FP and FN equally bad?

Chart, pie chart

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What are precision and recall? What are the other names used for precision and recall?

Chart, pie chart

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What is F1 score?

Chart, pie chart

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What is precision-recall trade-off? What happens with low and high thresholds?

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What is ROC curve? What is AUC?

Chart, line chart

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Chart, line chart

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What is confusion matrix?

Table

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What is multiclass classification. Think of examples of multiclass classification? How do we represent labels in multiclass classification? How to use binary classifiers in multiclass classification? What are the differences in confusion matrix in multiclass classification.

Graphical user interface, text, application

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A picture containing diagram

Description automatically generated

How to obtain evaluation metrics using sklearn?