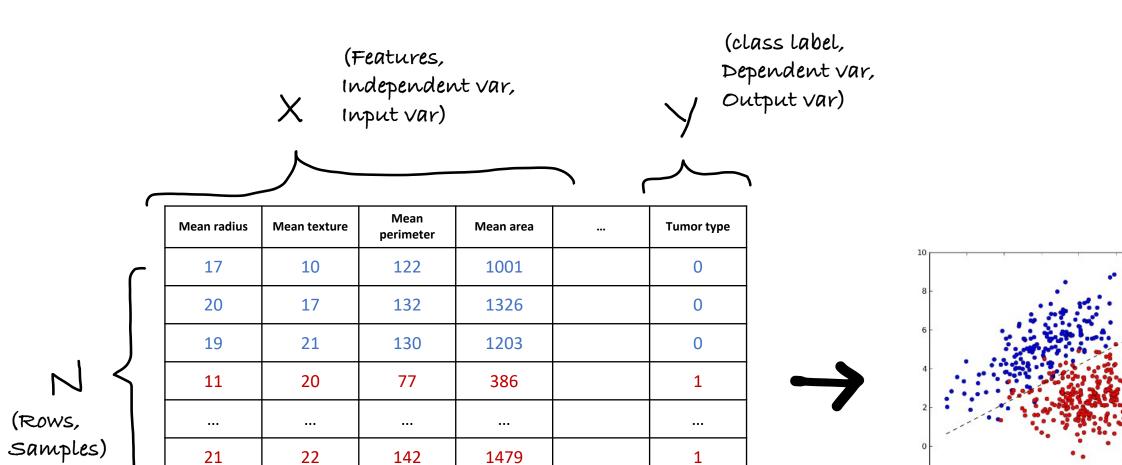
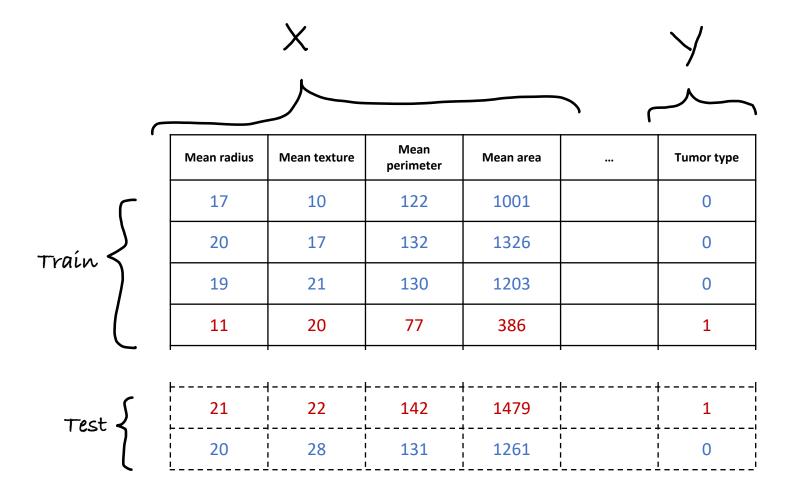
Classification model



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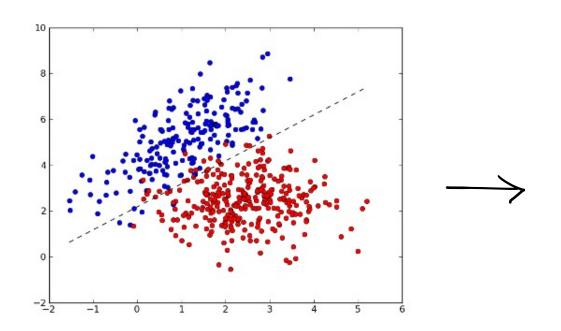


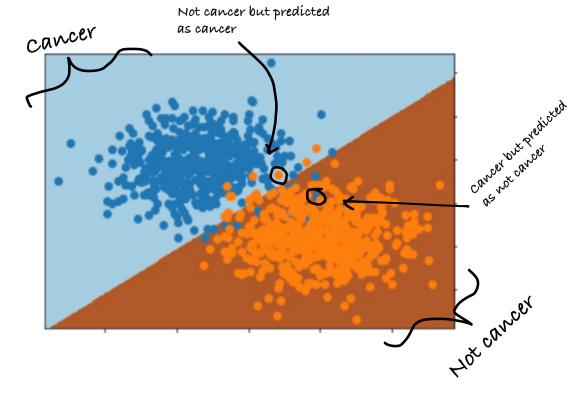


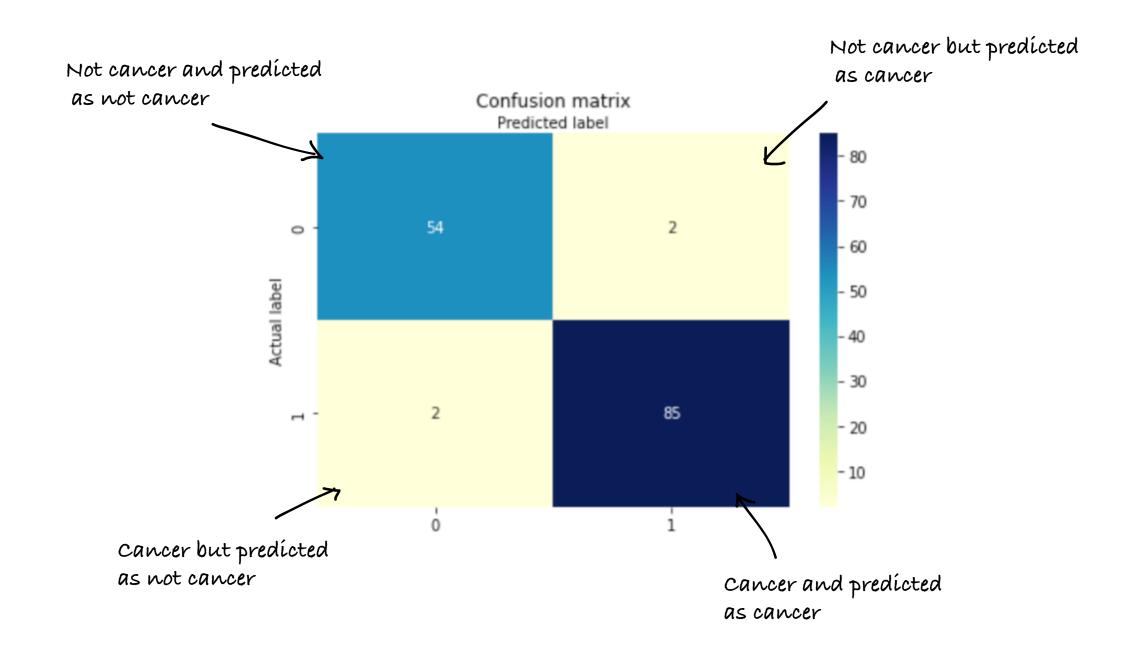
	X	У
Train	X_Train	y_train
Test	X_test	y_test

Predictions

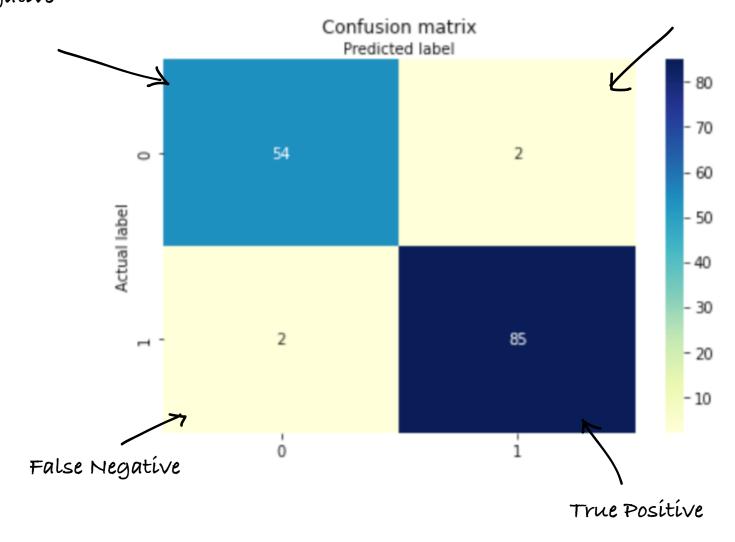




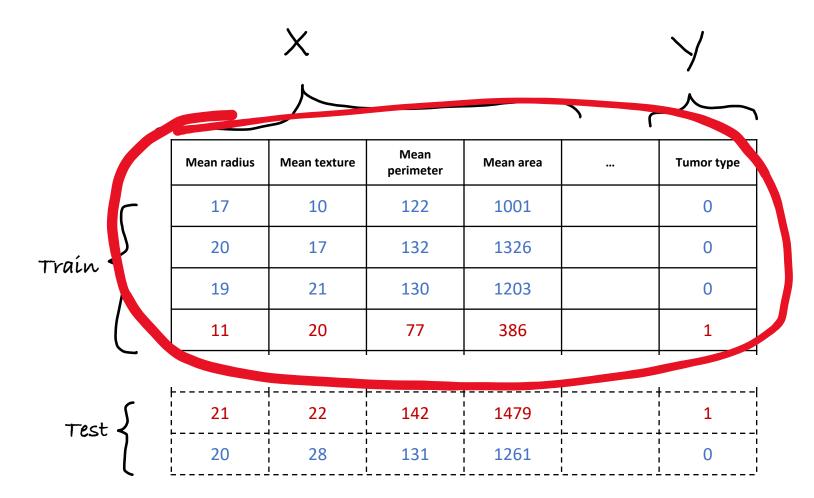


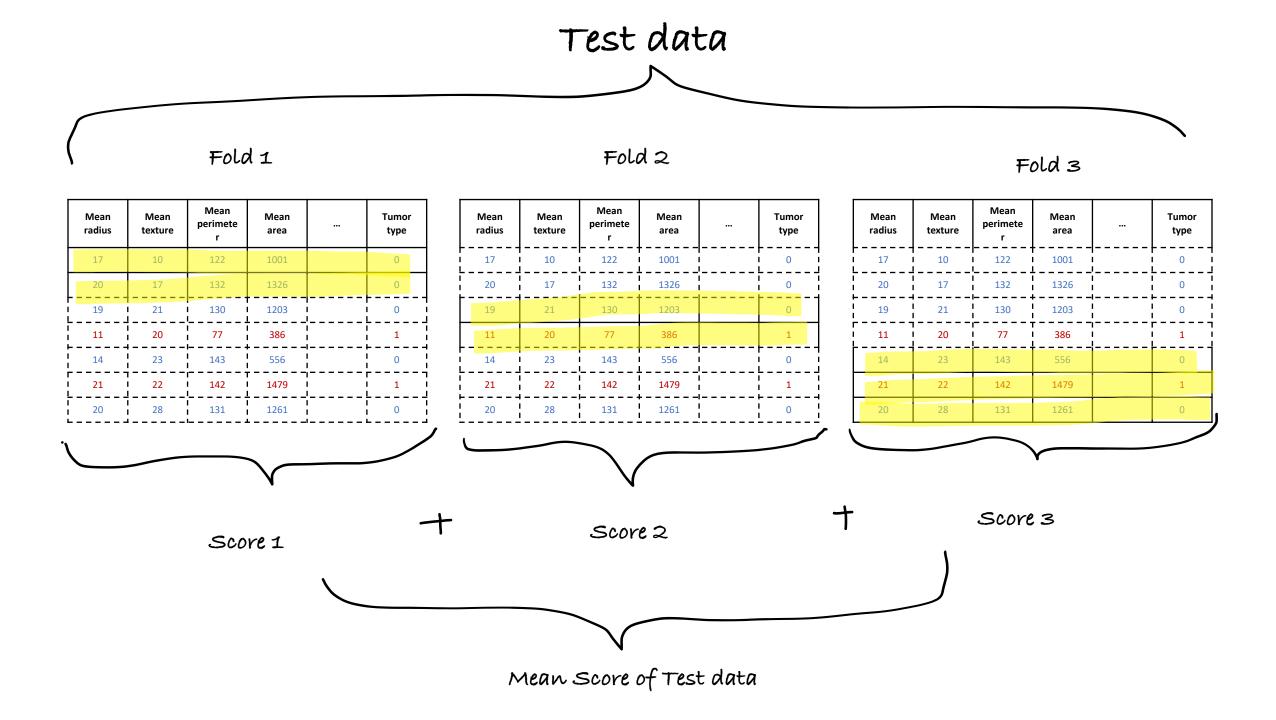


True negative False positive

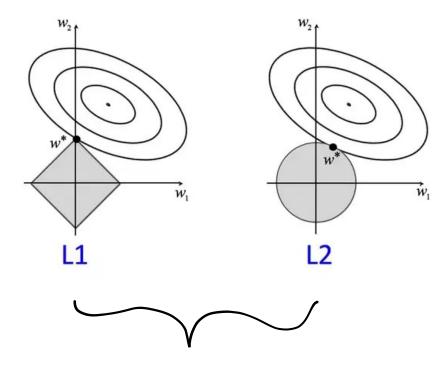


What is CV





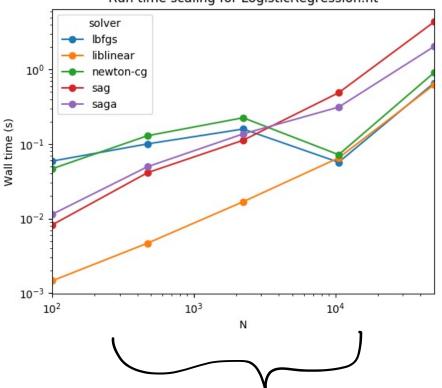
What is grid search?



penalty:

- "none": no penalty is added;
- "!2': add a L2 penalty term and it is the default choice;
- ·'li': add a LI penalty term;
- "elasticnet": both L1 and L2 penalty terms are added.





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Solver

{'newton-cg', 'lbfgs', 'liblinear', 'sag', 'saga'}, default='lbfgs'

- •For small datasets, 'liblinear' is a good choice, whereas 'sag' and 'saga' are faster for large ones;
- •For multiclass problems, only 'newton-cg', 'sag', 'saga' and 'lbfgs' handle multinomial loss;
- ·'liblinear' is limited to one-versus-rest schemes.

4

