



LINEAR CLASSIFIERS IN PYTHON

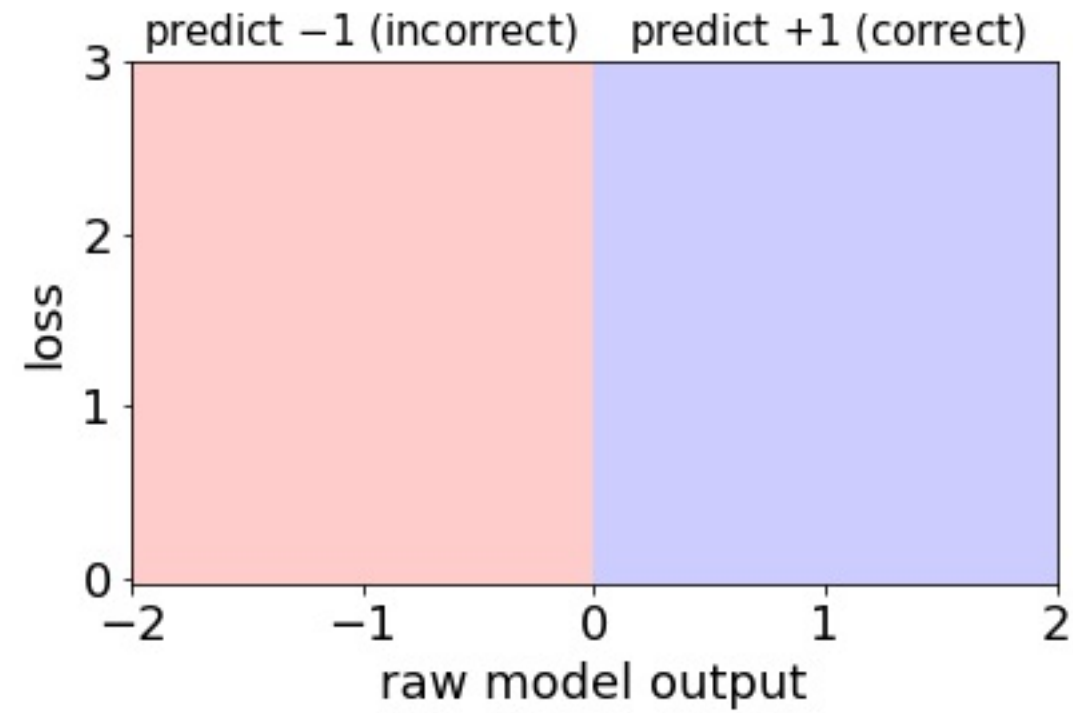
Loss function diagrams

Michael (Mike) Gelbart

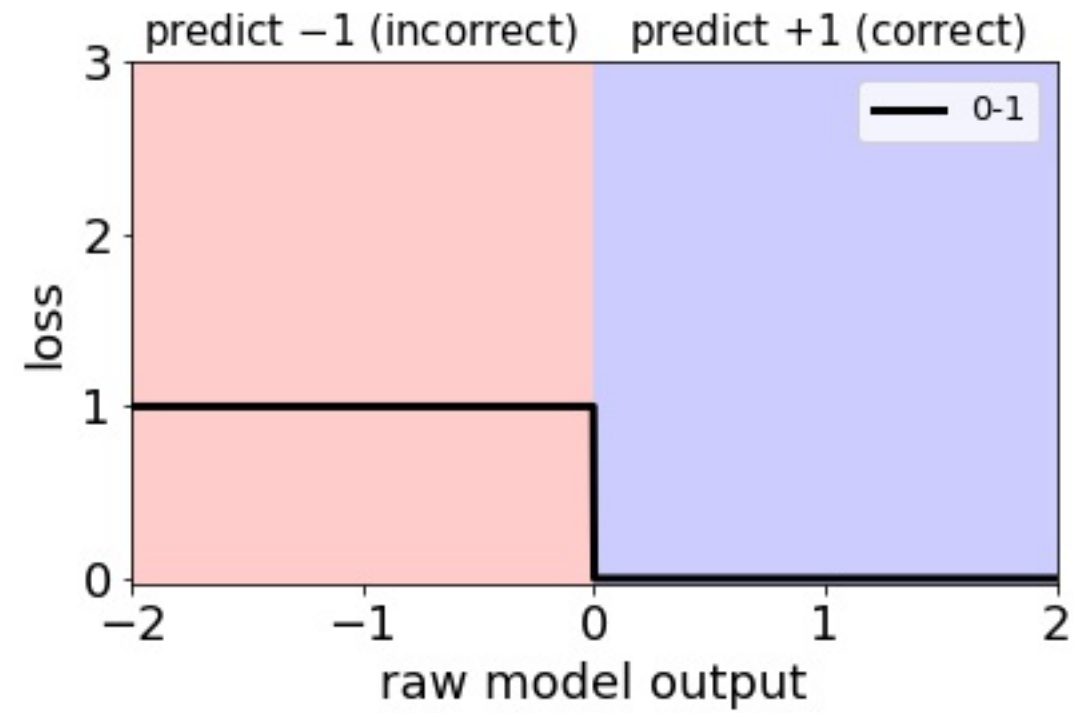
Instructor

The University of British Columbia

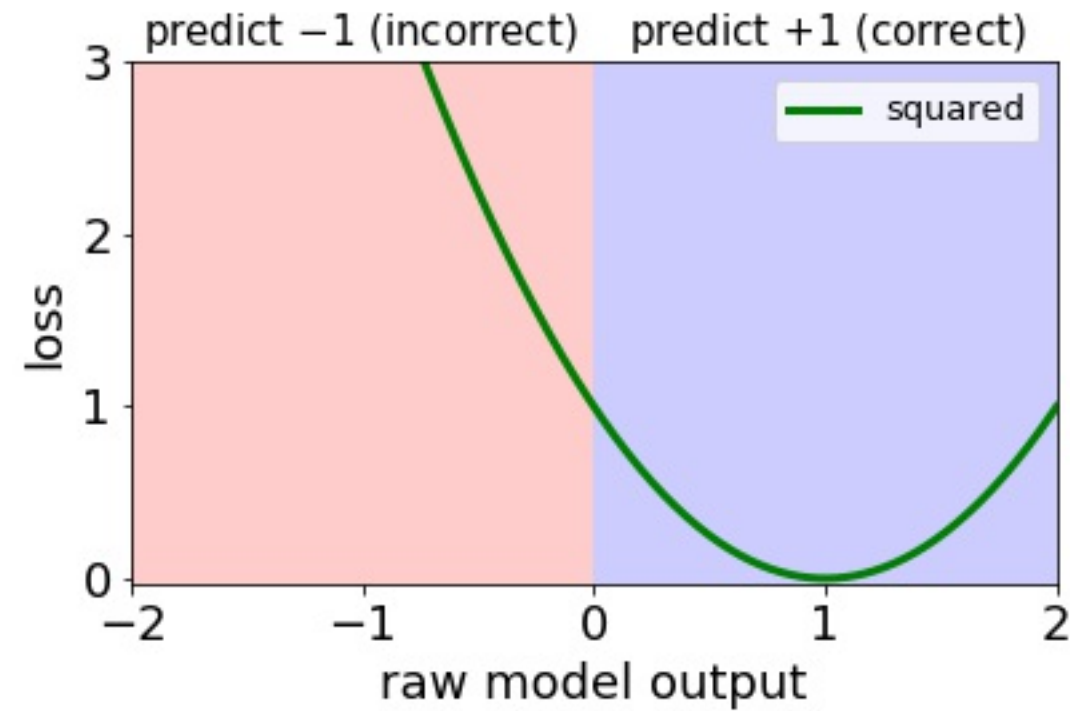
The raw model output



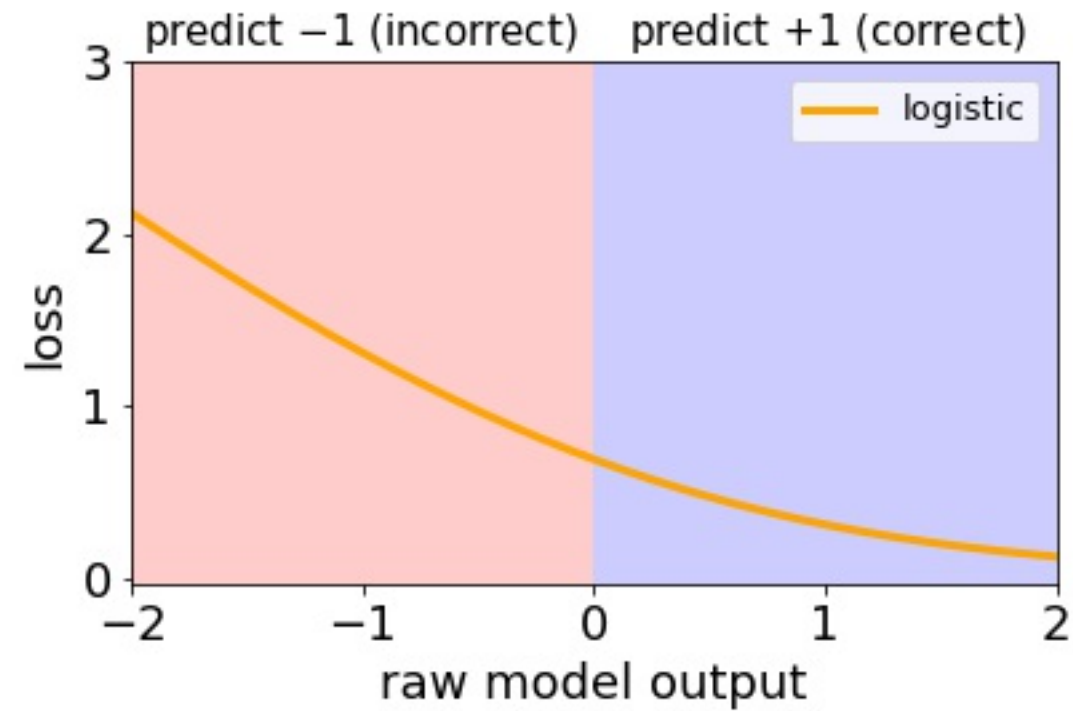
0-1 loss diagram



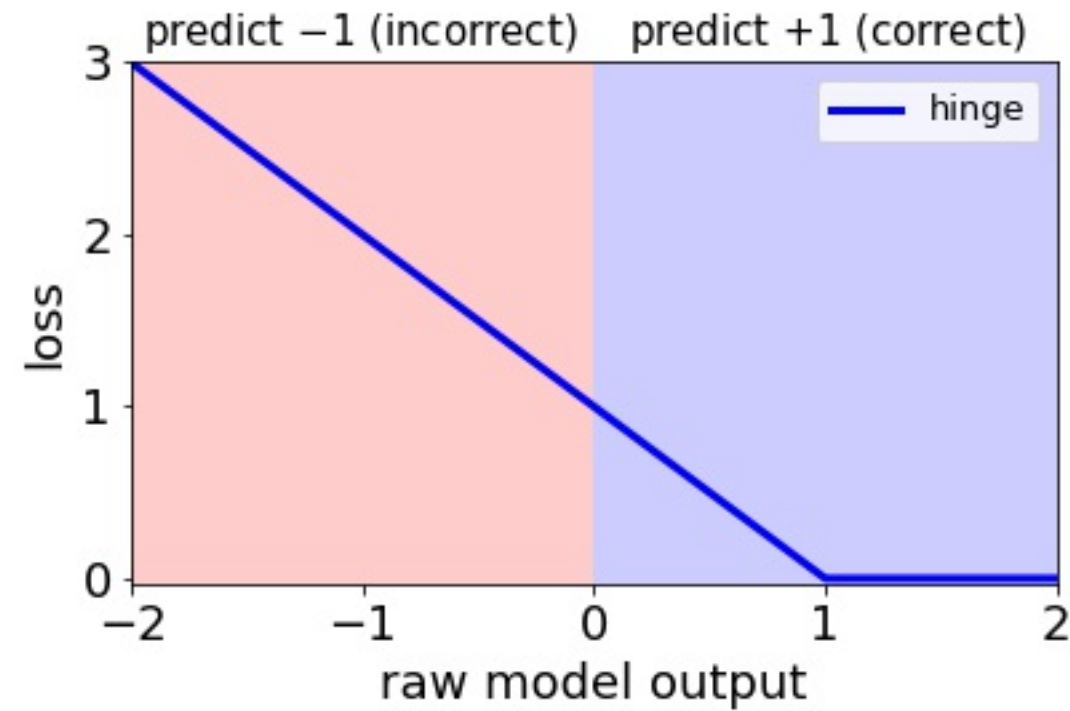
Linear regression loss diagram



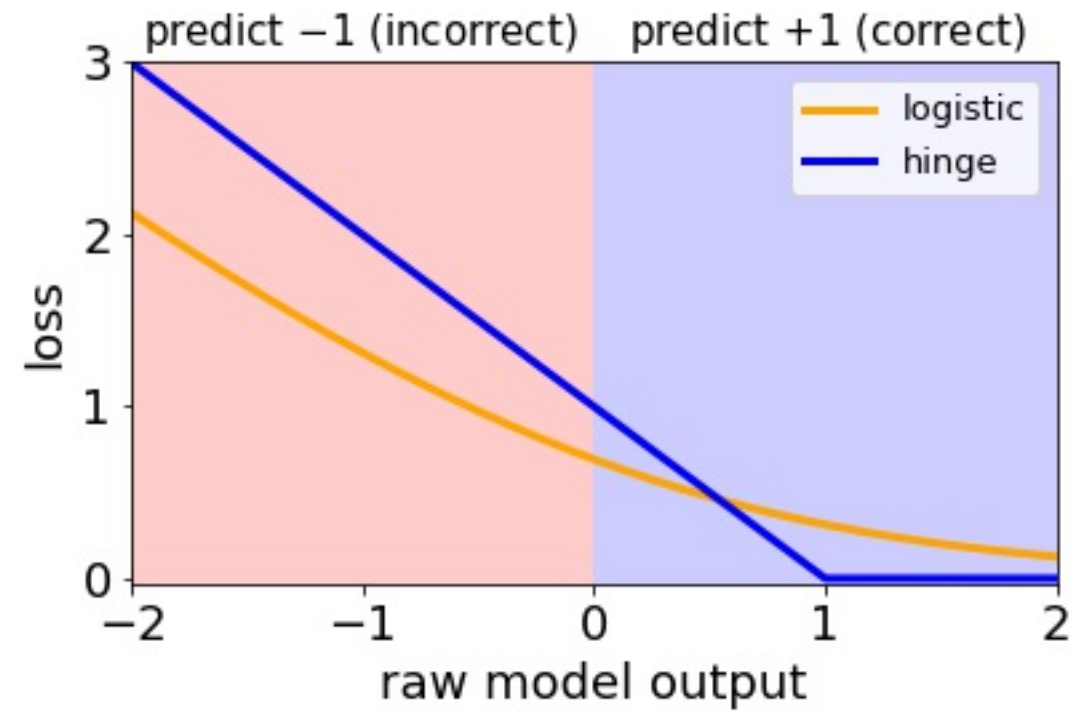
Logistic loss diagram



Hinge loss diagram



Hinge loss diagram





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**Let's
practice!**