Qual a diferença entre a função Sigmoid a função logit?

<https://stats.stackexchange.com/questions/378369/when-is-logit-function-preferred-over-sigmoid>

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It would not make sense to use the logit in place of the sigmoid in classification problems.

The sigmoid (\*) function is used because it maps the interval [−∞,∞][−∞,∞] monotonically onto [0,1][0,1], and additionally has some nice mathematical properties that are useful for fitting and interpreting models. It is important that the image is [0,1][0,1], because most classification models work by estimating probabilities.

The logit, on the other hand, being the inverse, maps [0,1][0,1] onto [−∞,∞][−∞,∞]. It certainly cannot be used in place of the sigmoid, as it does not output values interpretable as probabilities.