

cross entropy

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1 Cross entropy Intuition

1. Cross entropy is used to compare two probability distributions. It tells us how similar two distributions are.

2 Mathematics

Cross entropy between two probability distributions p and q defined over same set of outcomes is given by: $H(p, q) = -\sum_x p(x) \log(q(x))$

3 Ref

<https://www.quora.com/Whats-an-intuitive-way-to-think-of-cross-entropy>
<http://jackon.me/posts/why-use-cross-entropy-error-for-loss-function>

References