

## Surprise Datamodels

## Why

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## 1 Definition

An unsupervised data model is a function  $\ell: \mathbb{R}^d \to \mathbb{R}$  where  $\ell(x)$  is the suprise of the vector x.<sup>2</sup>

<sup>&</sup>lt;sup>1</sup>Future editions will include.

<sup>&</sup>lt;sup>2</sup>Future editions will expand.

