



## Why

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## 1 Definition

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

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<sup>1</sup>Future editions will include.

<sup>2</sup>Future editions will expand.



