



Why

We have a dataset in some infinite set and want to summarize it by a probability density.

Overview

We have an uncountable set of outcomes A . We have a dataset (a^1, \dots, a^n) . We want to define a correspondence between the dataset and probability densities over the set of outcomes A .

A *density selector* for a dataset of size n is a function which maps datasets of size n in A to densities on A . We do not want a density on the record sequences A^n , but rather a density on A .

