

Notes on root-mean-square-distance inference

P.G.L. Porta Mana 

Western Norway University of Applied Sciences [<pgl@portamana.org>](mailto:pgl@portamana.org)

16 June 2021; updated 16 June 2021

1 Overview of the inference

Root-mean-square-distance class: c . Tuple of features: x . We have a set $\{c_i, x_i \mid i \in \{1, 2, \dots\}\}$ of known (c, x) pairs. Our inference is about the class c_0 of a new observation with features x_0 :

$$p(c_0 \mid x_0, \{c_i, x_i\}) \tag{1}$$