

# Additional file 1: Graphical examples of two kernel functions for Proximity metrics

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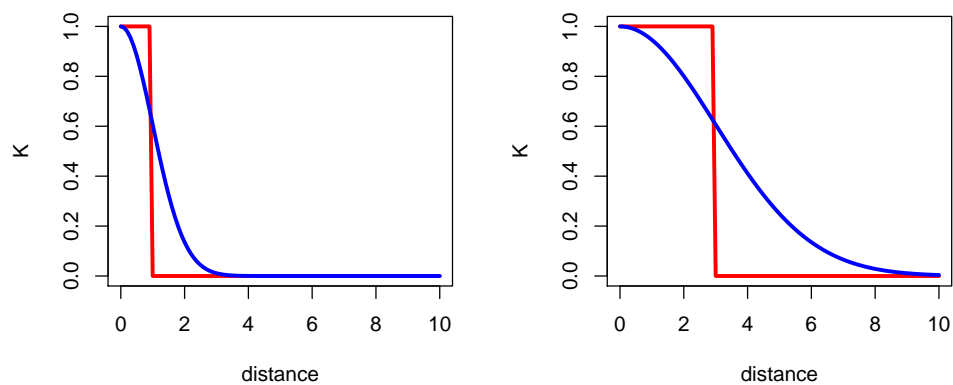


Figure 1: Illustration of differences between to kernel values with the same  $\delta$  value. The red and blue solid lines corresponds to  $K_\delta(x, y) = \mathbb{1}_{\{\|x-y\| < \delta\}}$  and  $K_\delta(x, y) = \exp(-\|x-y\|^2 / (2\delta^2))$ , respectively. Left panel:  $\delta = 1$ . Right panel:  $\delta = 3$ .