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Machine Learning with Python-From Linear Models to Deep Learning[Course](#)[Progress](#)[Dates](#)[Discussion](#)[Resources](#)[Course](#) / [Unit 2. Nonlinear Classification, Linear regression,...](#) / [Lecture 6. No](#)[< Previous](#)

7. The Radial Basis Kernel

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Exercises due Mar 8, 2023 08:59 -03 Completed

The Radial Basis Kernel**Video** [Download video file](#)**Transcripts** [Download SubRip \(.srt\) file](#) [Download Text \(.txt\) file](#)**Calculating the Radial Basis Kernel**

1/1 point (graded)

Recall from the video above that the **radial basis kernel** K is given by

$$K(x, x') = e^{-\frac{1}{2}\|x-x'\|^2}$$

Let

$$x = [1, 0, 0]^T$$

$$x' = [0, 1, 0]^T.$$

Compute the radial basis kernel $K(x, x')$

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