**Support Vector Regression (SVR):**

**ε-Insensitive tube** : Distances are measured vertically and not perpendicular to the regression line.

Points outside the tube region are called Slack Variables.

If the point is above the line it is denoted by **ε1,ε2** etc and points below the region are denoted by **ε1\* ,ε2\*** notations.

(Any datapoint falling inside the tube area. the tube acts as a margin of error.)

Check this link for further reading on SVM kernel functions:

<https://data-flair.training/blogs/svm-kernel-functions/>

SVM Kernel Functions :

