Support Vector Machines

* The plane is called as Maximum Margin Hyperplane (H)
* Using SVM we find the best H which classifies the data.
* Connect outermost points. These points are called as Support Vectors.

A picture containing diagram

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* C 🡪 Regularization Parameter
  + If very high, then Overfitting
  + If very low, then Underfitting

Scatter chart

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* For non-linear scenarios we will use **Kernel Trick**. In layman terms it means **Change of Perspective**.
* Kernel Trick means changing from Non-Linear to Linear by transforming the feature variables iteratively.

Chart

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