

# MACHINE LEARNING : SUPPORT VECTOR MACHINE (SVM)

Your company is focused on how to make good predictions using different types of algorithms. This time it was requested that you as a data scientist can contribute to the team knowledge regarding this subject. Bellow you can see the email that was sent to you.



“ Hi Daniel,

Our team loved the last presentation regarding LR and now we are super interested to understand the use of **Support Vector Machines** to solve ML problems.

Our team is planning a lunch and learn session on **Dec.06**, and we will be more than happy to see a presentation from you. Please feel free to bring any example that can add value to our knowledge on this topic.

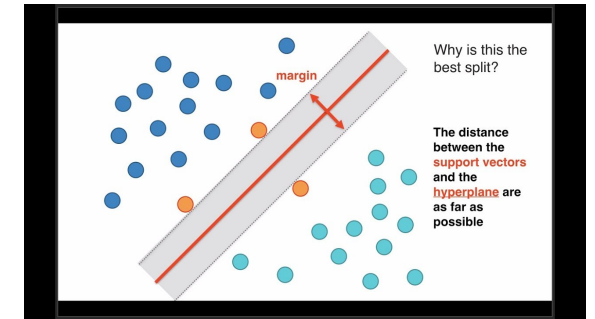
Thanks for all your support.

Nick Dresser

Manager, DB Team“

EVALUATION CRITERIAS:

- **Business problem description; (10%)**
- **Feature Engineering and Exploratory data analysis (EDA); (20%)**
- **Cross Validation (20%)**
- **ML Classifier and datasets (Training and Test); (10%)**
- **Any metric that can show the accuracy of the model(s); (10%)**
- **Add insights/thoughts during code development to support code/graph outcomes and the conclusion. (20%)**



Your Exercise deliverable should be : 1 dataset to be used + 1 Jupyter Notebook

**Submit a zip file with both on your course website.**