PREDICTIVE MODELLING: 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,

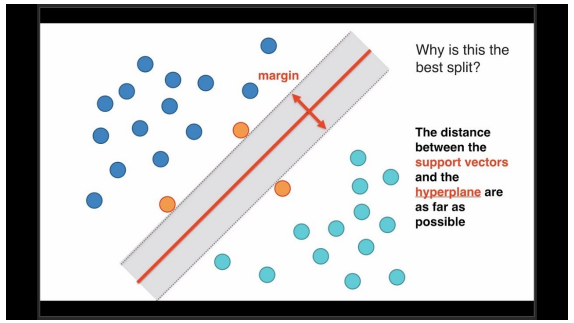
Our team loved the last presentation regarding DT and now we are super interested to understand the use of Support Vector Machines to solve ML problems.

Our team is planning a lunch and learn session, 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.

Marcos Bittencourt

Manager, Data Analytics"



EVALUATION CRITERIAS:

- **Business problem description; (20%)**
- **Feature Engineering and Exploratory data analysis (EDA); (20%)**
- **Cross Validation (20%)**
- **Classifiers and datasets (Training and Test); (20%)**
- **Any metric that can show the accuracy of the model(s); (20%)**

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

Submit a zip file with both on your course website.