



Inbox

Tasks

Your project assignment

YM Your Manager

Nov 25, 10:23 AM

Hi Tejashree! Thanks for working on this project for our team.

We've been looking over our strategy to enhance the loan approval process at MoneyLink Bank, and it's clear we need a solid plan grounded in data. Our customers are at the heart of what we do, and streamlining their experience is key. With this in mind, I'm assigning you a crucial task. You'll be developing four distinct Machine Learning models to help us pinpoint the leads most likely to gain loan approval. Our main goal is to make accurate predictions, but we also have to be efficient in terms of time, computational resources, and storage.

You can start by opening the provided Jupyter notebook and running the first line of code to import the data. Then, you need to train for different machine learning models - logistic regression, decision tree, XGBoost and a Support Vector Machine (SVM) model. For each of the four models, make a note of the prediction accuracy, training and prediction time, and the model's storage usage. This data will be essential in your final report, where you'll compare these metrics for each model. I want a deep dive into which model best fits our needs, taking into account both its predictive power and its operational feasibility. Your insight will shape our bank's future strategies, so let's make sure we nail this. All the best!

How you'll work

Your project has been broken into a set of tasks. To complete these tasks, use the provided workspace. You can launch your workspace by clicking below or using the button in the top right of the screen.

[Launch workspace](#)

Each task includes step-by-step instructions as well as helpful documentation and necessary assets in the Resources section.

[See your tasks](#)