Final Project – semester B

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In this project, the main methods I have used is:

1. **PCA**: my goal was to reach the best accuracy with lowest number of components.
   I have tried to get the best balance between both.
2. **GridSearch**: find best parameters in each model.
3. **pipeline**: **scaling**, pca, and fit model.
4. **Ensamble learning models**:
   a. Random forest
   b. XGBoost
   c. Voting
   d. Stacking

   Models I used but didn't perform well, so isn't in the notebooks:
   e. adaBoost
   f. K-means