SVC is slow – runs in O(n^2) time so not appropriate for the training set.

List three of the supervised learning models above that are appropriate for this problem that you will test on the census data. For each model chosen

* Describe one real-world application in industry where the model can be applied.
* What are the strengths of the model; when does it perform well?
* What are the weaknesses of the model; when does it perform poorly?
* What makes this model a good candidate for the problem, given what you know about the data?

\*\* HINT: \*\*

Structure your answer in the same format as above^, with 4 parts for each of the three models you pick. Please include references with your answer.

## AdaBoost

*Describe one real-world application in industry where the model can be applied.*

There are plenty of examples where AdaBoost would be an appropriate choice for a classifier. A few of them would be:

* Predicting whether a patient would get a heart decease
* Predicting customer churn
* Classifying and email as spam or not

*What are the strengths of the model; when does it perform well?*

*What are the strengths of the model; when does it perform well?*

*What makes this model a good candidate for the problem, given what you know about the data?*

*Resources:*

<https://stats.stackexchange.com/questions/8930/when-would-one-want-to-use-adaboost>

<https://www.youtube.com/watch?v=LsK-xG1cLYA>

<https://hackernoon.com/under-the-hood-of-adaboost-8eb499d78eab>