# Relax Data Science Challenge

Problem definition: An 'adopted user' as a user who has logged into the product on three separate days in at least one seven-day period, identify which factors predict future user adoption.

Analysis: From the given two datasets a new column called 'adopted' is created and considered this is a target variable. For model evaluation random forest algorithm is used and obtained 93.91% of test accuracy.
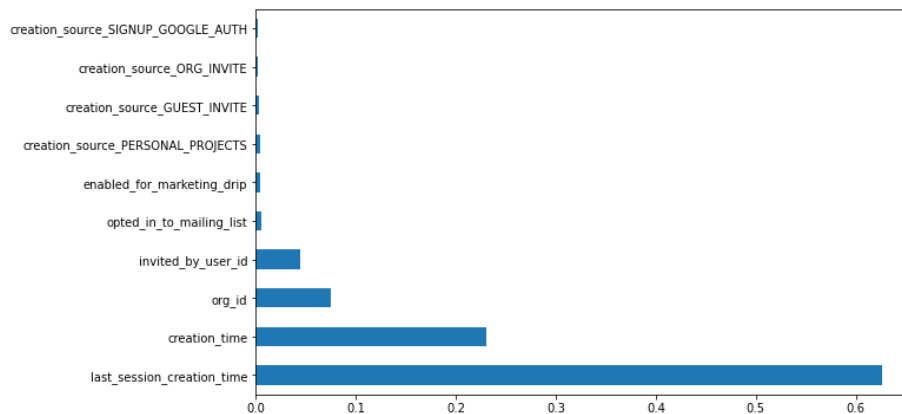
The analysis shows that the parameters last_session_creation_time,creation_time are the factors to predict the Adoption. But from the analysis it is clear that last_session_creation_time is nowhere related to adoption and 20% of the data was missing.So I do not think this is a good factor to predict adopion.

After Excluding last_session_creation_time the model managed to get the test accuracy of 79%.
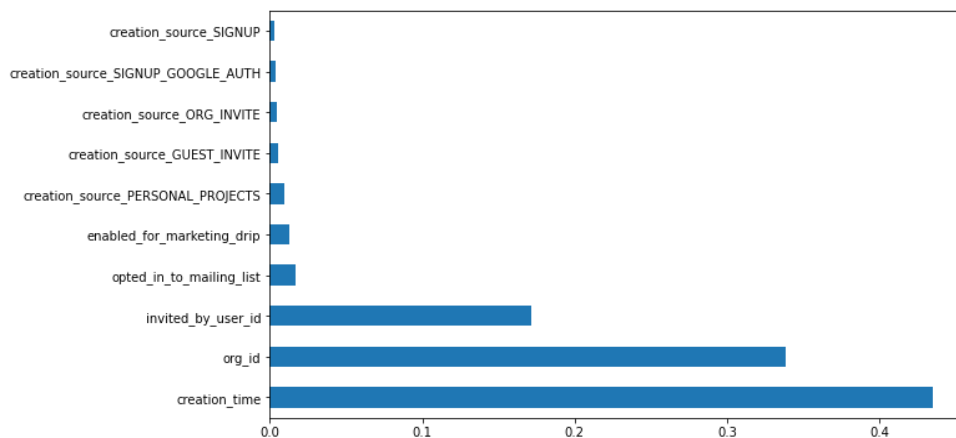
So, creation_time can be considered as the most important factor to predict Adoption.