

Files in the repository and their contents:

<u>File</u>	<u>Description</u>
HR Analytics.pdf	Project (Competition) Report
656_HR_Analytics.ipynb	Code Notebook
656_HR_Analytics.pdf	PDF for Code Notebook
Submission Documentation.pdf	Description of files and submission to competition portal
test_2umaH9m.csv	Test data for submission to competition
train_LZdllcl.csv	Train data for modelling and analysis
catboost.pkl	CatBoost model pickle file
catboost_best_parameters.csv	Best set of model parameters for CatBoost
catboost_predictions.csv	CatBoost Predictions for competition test set
gb.pkl	Gradient Boosting model pickle file
gradientboost_best_parameters.csv	Best set of model parameters for Gradient Boosting
gb_predictions.csv	Gradient Boosting Predictions for competition test set
lgb.pkl	LightGBM model pickle file
lightgbm_best_parameters.csv	Best set of model parameters for LightGBM
lgb_predictions.csv	LightGBM Predictions for competition test set
hard_predictions.csv	HardVoting Predictions for competition test set
soft_predictions.csv	SoftVoting Predictions for competition test set
stacking_predictions.csv	Stacking model Predictions for competition test set

Submission to competition portal:

Once we generate a file of predictions from any of the models, we upload the predictions file. The prediction file has two columns i.e. id of the employee and the prediction from the model.

Following is the solution checker where we upload our solutions:

[About](#) [Problem Statement](#) [Solution Checker](#) [My Submissions](#) [Leaderboard](#) [Discuss](#)

Code File

Upload File

Solution File*

Upload File (.csv only)

Solution Description (max : 180 chars)*

Solution Description (for your interest)

Do you want to show your code on leaderboard?

☐ Yes ☐ No

Add Solution

And this is the output of solution checker:

Success

Your score for this submission is : 0.468975468975469.

Close

A track of all previous submissions is also kept:

Submitted at	Submission message	Score	Code File	Solution File	Final Solution
Tue, Dec-21-2021, 04:34:04 AM	soft voting	0.468975468975469	---	Download	
Mon, Dec-20-2021, 07:30:17 PM	soft vote	0.468975468975469	---	Download	
Mon, Dec-20-2021, 07:28:50 PM	firstattempt	0.460154241645244	---	Download	
Mon, Dec-20-2021, 07:27:26 PM	firstattempt	0.460154241645244	---	Download	
Mon, Dec-20-2021, 07:27:04 PM	firstattempt	0.460154241645244	---	Download	
Mon, Dec-20-2021, 07:26:20 PM	firstattempt	0.460154241645244	---	Download	
Mon, Dec-20-2021, 07:25:00 PM	first attempt	0.460154241645244	---	Download	
Mon, Dec-20-2021, 07:23:21 PM	first attempt	0.460154241645244	---	Download	
Mon, Dec-20-2021, 07:19:50 PM	first attempt	0.460154241645244	---	Download	

Finally, this is how it looks like on the leaderboard:

Name	Score	Submission Trend	Participant's approach
<div>M</div> moiz_sadiq	0.4689754690		Add approach