Model training process

I trained two regression models on a data set of 750000 samples and 8 features and one target column

Before training I manage to look for null values and inconsistencies in the data set

(Found none)

Then I checked for correlation and came to conclusion that it's safe to drop the features age, weight, height and sex

As they had very low correlation with the target

Also the rest of features seemed to have kind of correlation between each other and they could be reduced dimensionally using PCA but I plotted each feature with the target and they seemed to have a bit of variation on shape (not that much) so I used them for training with the intention to try out using each one of them individually and compounded.

I used Random forest and the metrics results were :

Model	R2 Score	MAE	RMSE
Random_Forest	0.959225	8.318788	12.570945

Then I used linear regressor and what came to me was:

Model	R2 Score	MAE	RMSE
Linear_regression	0.95018	9.964436	13.895406