

<pre>feature_dict = {} for col, imp in zip(x_train.columns,xgb_improved.feature_importances_): feature_dict.update({col: imp}) feature_imp_named = pd.DataFrame(data=feature_dict, index=[0]).sort_values(by=0, axis=1) feature_imp_named DIR_E FUNC_CLASS_FWY FUNC_CLASS_ART DIR_B DIR_N FUNC_CLASS_COL FROM_Distance Offset Pave_T 0 0.0 0.0 0.000061 0.001371 0.001523 0.002328 0.007663 0.008348 0 plt.style.use('default') fig, ax= plt.subplots(1,2, figsize=(10,5)) xgboost.plot_importance(xgb_improved, ax=ax[0]), ax[0].grid(alpha=.5), ax[0].set_title('New Feortance') ax[0].set_yticklabels(labels=feature_imp_named.columns, fontsize=9) ax[1].plot(range(len(thresholds)), select_accuracy, marker='o', markerfacecolor='lightgreen', een') ax[1].set_xticks(range(len(thresholds)))</pre>						
DIR_W - Pave_Type_CO - Pave_Type_PC - TO_Distance - DIR_S - LHRS - Pave_Type_ST - Offset -	.abels(feature) .('balanced acc') .('Balanced acc') .('Balanced acc') .(') .(') .(') .(') .(') .(') .(') .(_imp_named.c curacy') uracy with s	elect \nfeatu	res removed, :	in order of th	
FROM_DISTAILE FUNC_CLASS_COL - DIR_N - DIR_B - FUNC_CLASS_ART - FUNC_CLASS_FWY - DIR_E -	ture importance plo	F score ot, as well as fro	m the balanced a	0.70 - 0.65 - 0.		
result in slightly more Note: DMI and IRI mentioned in the intro could have been more	were both likely oduction. Thus, our	strongly associa modeling was li	ted with our outco kely done on data	ome <i>because</i> they a that was already	somewhat redund	ant. Our modeling