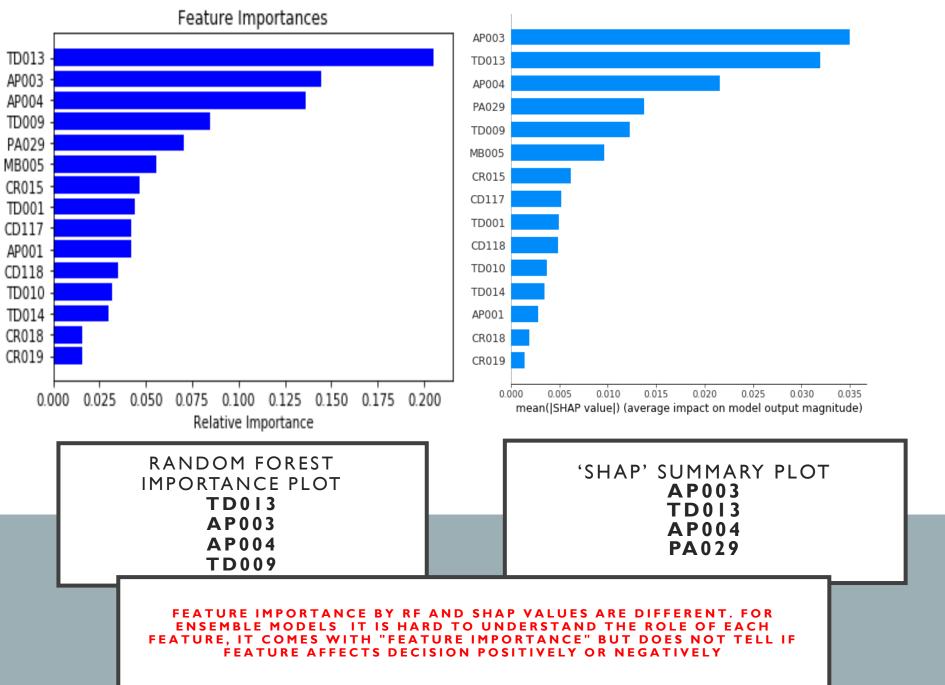
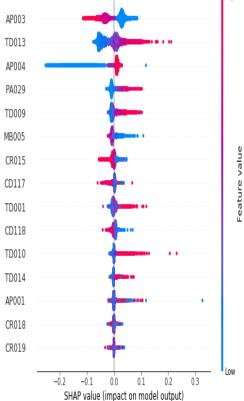
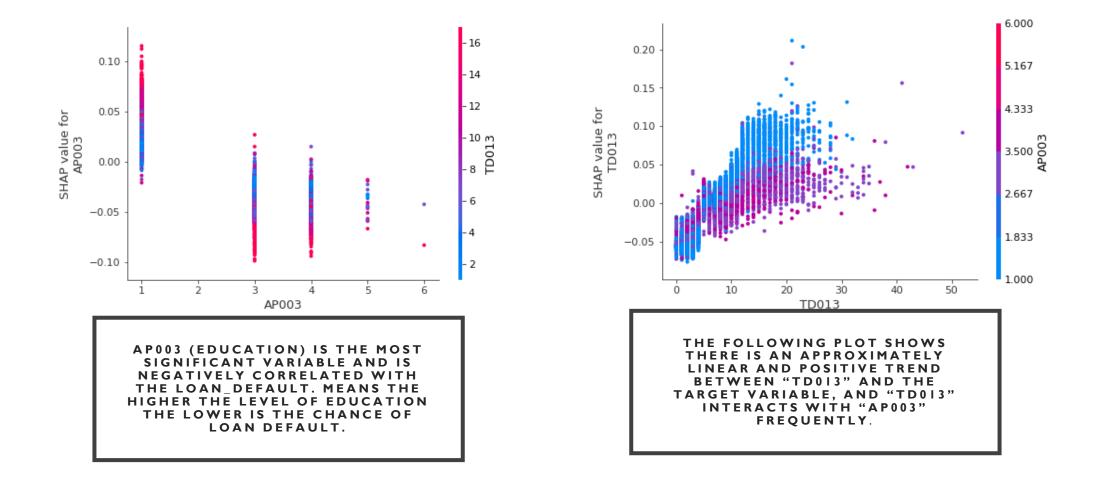
## EXPLAIN THE MODEL WITH SHAP VALUES







SHAP DEPENDENCE PLOTS SHOW THE EFFECT OF A SINGLE FEATURE ACROSS THE WHOLE DATASET (ANOTHER FEATURE IS CHOSEN FOR COLORING TO HIGHLIGHT POSSIBLE INTERACTIONS).

	TD009	TD010	TD013	TD014	TD001	AP001	CR018	CR019	MB005	PA029	AP004	AP003	CR015	CD117	CD118	predict
2087	17	9	14	9	6	26	3	6	5.0	0.0	12	4	3	0.0	0.0	0.33
79030	2	О	О	О	О	26	3	5	2.0	0.0	12	3	3	17.0	29.0	0.11
33346	4	1	9	2	0	26	1	3	10.0	166.0	3	1	3	79.0	162.0	0.27
61491	3	1	3	1	О	38	8	12	8.0	0.0	12	1	6	114.0	227.0	0.07
57618	16	5	17	6	3	27	1	3	4.0	0.0	12	3	2	52.0	102.0	0.17



THE FOLLOWING GRAPHS SHOW THE INTERPRETATION OF THE PREDICTION.
- OUTPUT VALUE: IS THE PREDICTION FOR THAT OBSERVATION.

HE PREDICTION FOR THAT OBSERVATION

- BASE VALUE

- FEATURES THAT PUSHED AWAY TO THE RIGHT OR LEFT THE PREDICTION

## **SUMMARY**

The most important features identified by SHAP are

- AP003
- TD013
- AP004
- PA029
- TD009

Which suggests that observations with high probability of default, are associated with low education level, high loan term, high number of collection/high risk calls, and the number of queries P2P/small loans.

