

MODEL 1	MODEL 2A	MODEL 2B
Variable Name	Variable Name	Variable Name
<i>date_delta</i>	<i>date_delta</i>	<i>date_delta</i>
<i>turnover_cash_sum_sd</i>	<i>result_cash_sum_sd</i>	<i>balance_cash_sum</i>
<i>medium_turnover_cash_sum_mean</i>	<i>turnover_cash_day_num_ratio</i>	<i>small_bet_midnight_num_ratio</i>
<i>small_turnover_cash_num_mean</i>	<i>turnover_cash_sum_mean</i>	<i>small_turnover_cash_sports_sum_ratio</i>
<i>medium_bonus_convert_sum_mean</i>	<i>small_turnover_cash_casino_live_sum_ratio</i>	<i>bonus_convert_sum_mean</i>
<i>deposit_approved_day_num_ratio</i>	<i>exclusion_delta</i>	<i>medium_bonus_convert_day_num_ratio</i>
<i>deposit_approved_num_mean</i>	<i>limit_deposit_decrease_day_num_ratio</i>	<i>medium_bonus_convert_sum_mean</i>
<i>deposit_approved_sum_sd</i>	<i>small_limit_deposit_increase_num_mean</i>	<i>medium_limit_deposit_decrease_day_num_ratio</i>
<i>deposit_denied_num_sd</i>	<i>deposit_approved_sum_mean</i>	<i>deposit_denied_day_num_ratio</i>
<i>medium_deposit_approved_sum_mean</i>	<i>deposit_denied_num_mean</i>	<i>small_deposit_approved_sum_mean</i>
<i>medium_deposit_denied_num_mean</i>	<i>medium_deposit_approved_sum_mean</i>	<i>medium_withdrawal_approved_day_num_ratio</i>
<i>small_deposit_approved_sum_mean</i>	<i>medium_withdrawal_deposit_approved_sum_ratio</i>	<i>session_num_mean</i>
<i>small_deposit_denied_num_mean</i>	<i>session_day_num</i>	<i>small_session_day_num</i>
<i>withdrawal_approved_day_num_ratio</i>	<i>session_num_sd</i>	<i>small_session_desktop_num_ratio</i>
<i>withdrawal_approved_num_sd</i>	<i>country_code_num_3</i>	<i>title_2</i>
<i>session_num_mean</i>	<i>country_code_num_4</i>	<i>gender_2</i>
<i>brand_num</i>	<i>country_code_num_5</i>	<i>country_code_num_4</i>
<i>title_2</i>	<i>country_code_num_6</i>	<i>country_code_num_7</i>
<i>title_3</i>	<i>country_code_num_8</i>	<i>country_code_num_8</i>
<i>country_code_num_5</i>	<i>country_code_num_9</i>	<i>country_code_num_9</i>
<i>country_code_num_8</i>	<i>country_code_num_12</i>	<i>country_code_num_12</i>
<i>country_code_num_9</i>		<i>country_code_num_22</i>

Table 1: Variables included in the final model for models 1, 2A and 2B in the two-stage binary BNN approach.