

Plots Appendix:

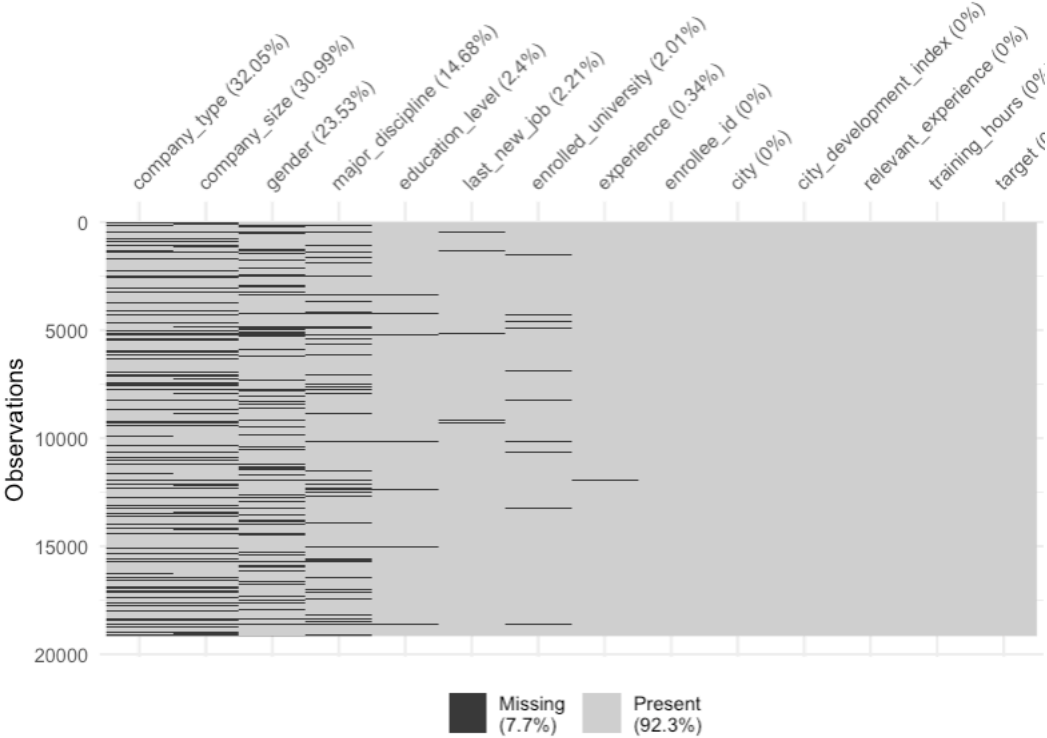


Figure.1 Missing Data

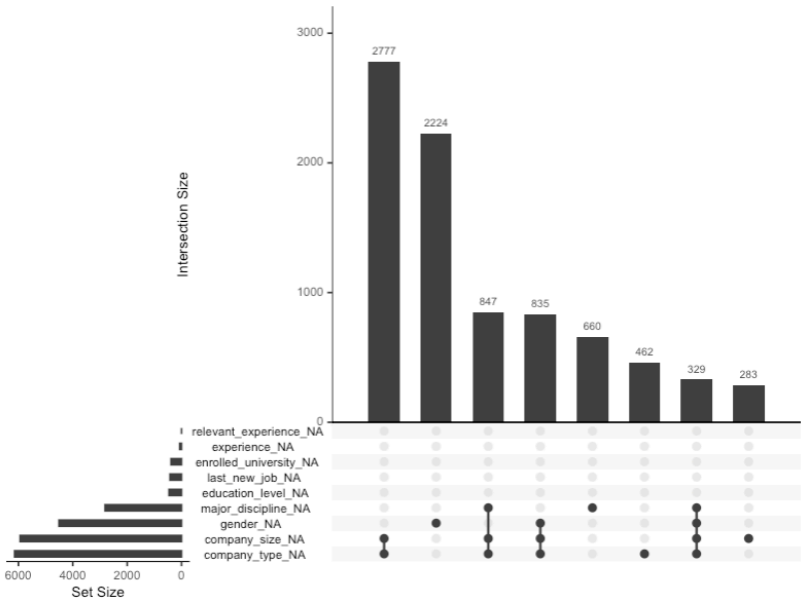


Figure. 2 Missing Data 2

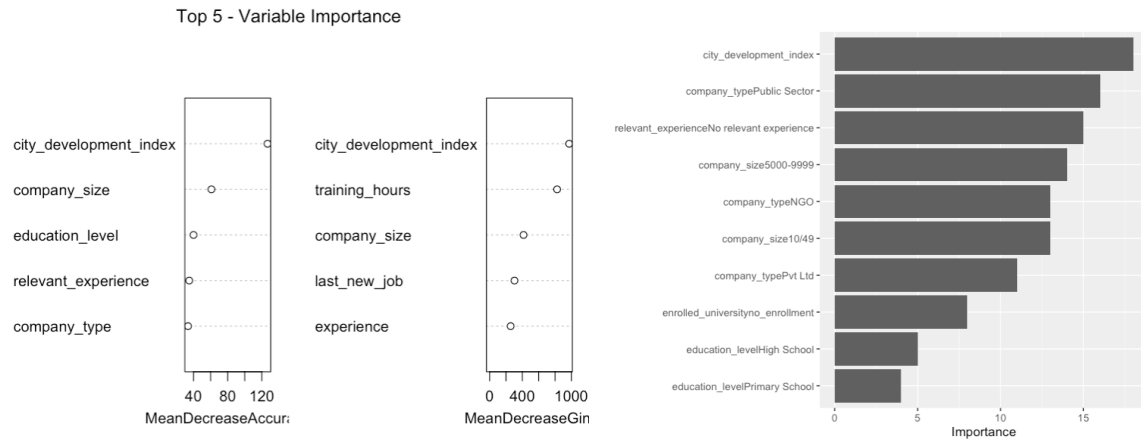


Figure.3 Variable importance by RF(left) and MARS(right)

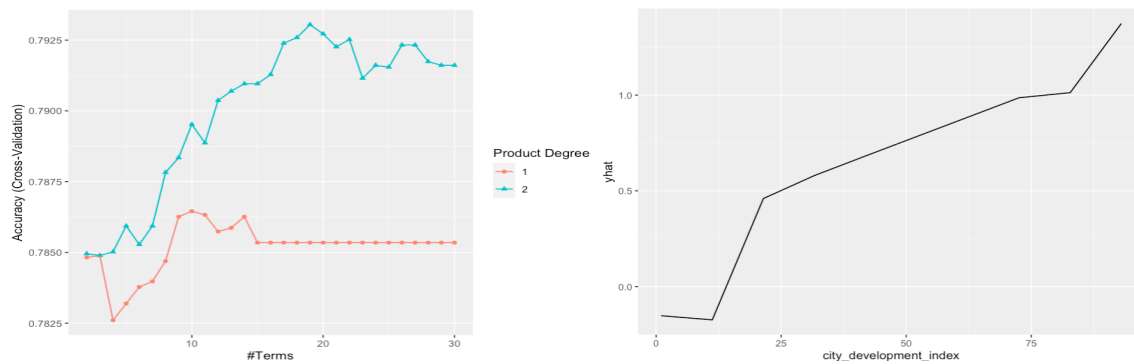


Figure.4 MARS model training and partial dependency plot

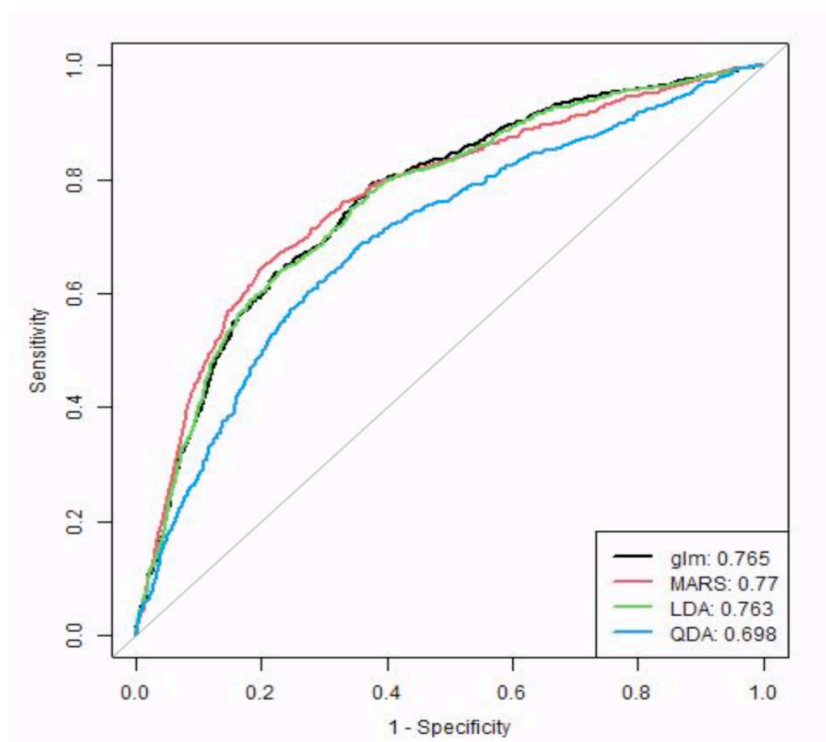


Figure5. Model Comparison