Additional file 1: Logistic regression formula of PPR in the NMLE

Forced entry method: $\log\{p/(1-p)\} = 7.75849 - 0.13301 \times$ age at admission $+ 1.00772 \times$ female $+ 1.60261 \times$ neighborhood $- 0.77012 \times$ type of HS (public) $- 0.03346 \times$ level of HS $+ 0.26591 \times$ HS GPA $+ 0.03069 \times$ NCTUA score $- 0.02104 \times$ score in liberal arts $+ 0.00456 \times$ TOEFL score $+ 0.03728 \times$ score in basic sciences in the first year $+ 0.09396 \times$ score in basic biomedical sciences in the second year $- 0.35949 \times$ score in pre-clinical medical sciences from the third to fourth years $+ 0.16101 \times$ CBT-IRT score $- 0.05099 \times$ Pre-CC OSCE score $+ 1.42424 \times$ performance in clinical clerkship from the fifth to sixth years $+ 1.72797 \times$ achievement in the graduation examination $+ 0.68164 \times$ with holdover.

Stepwise method: $\log\{p/(1-p)\} = 11.65386 - 0.15522 \times$ age at admission $+ 1.57629 \times$ neighborhood $- 0.25435 \times$ score in pre-clinical medical sciences from the third to fourth years $+ 0.16662 \times$ CBT-IRT score $+ 1.4537 \times$ performance in clinical clerkship from the fifth to sixth years $+ 1.70081 \times$ achievement in the graduation examination.