

Supplementary Material to the paper 'Network Model with Application to Allergy Diseases'

Konrad Furmańczyk

Department of Applied Mathematics, Institute of Information Technology, Warsaw University of Life Sciences and

Department of Prevention of Environmental Hazards, Allergology and Immunology, Medical University of Warsaw, Poland

Wojciech Niemirow

*Faculty of Mathematics, Informatics and Mechanics University of Warsaw, Poland and
Faculty of Mathematics and Computer Science Nicolaus Copernicus University, Torun, Poland.*

Mariola Chrzanowska

Department of Statistics and Econometrics, Institute of Economics and Finance, Warsaw University of Life Sciences and

Department of Prevention of Environmental Hazards, Allergology and Immunology, Medical University of Warsaw, Poland.

Marta Zalewska

Department of Prevention of Environmental Hazards, Allergology and Immunology, Medical University of Warsaw, Poland.

The ROC curve for $\text{logit}_2 - \text{logit}_4$ for bootstrap, jackknife for weighted and un-weighted estimation we present in Figures 1-15.

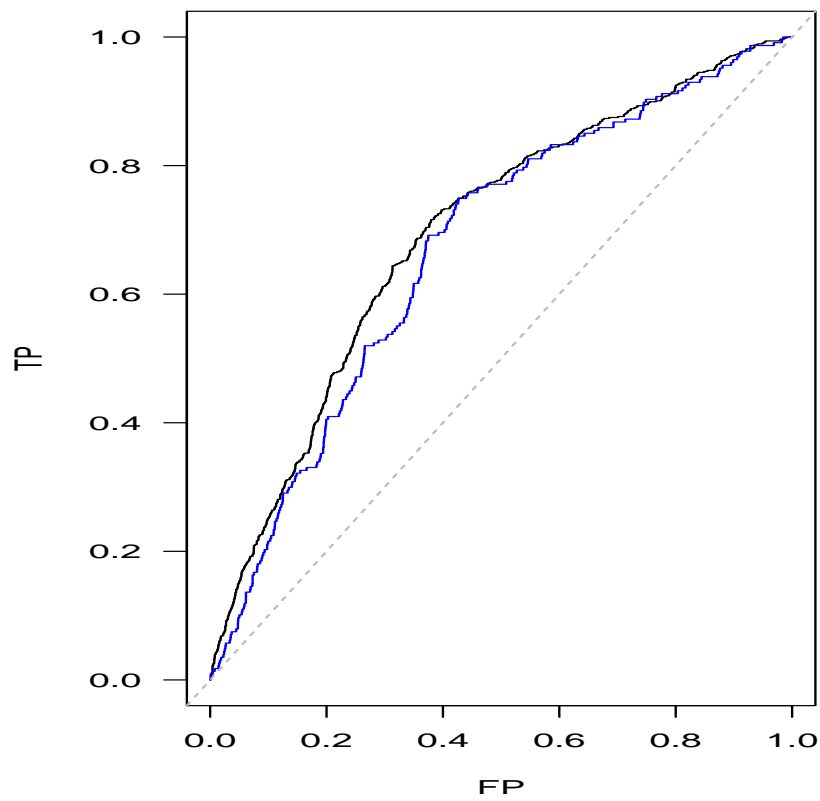


Fig. 1. ROC for logit_2 for unweighted (black curve) and weighted (blue curve) estimation.

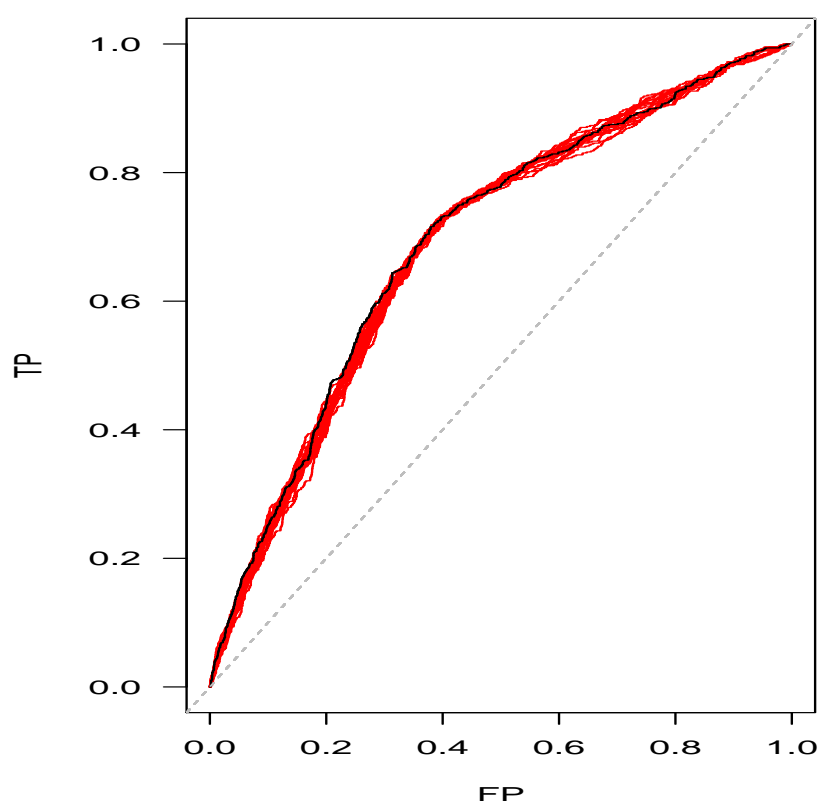


Fig. 2. ROC for logit_2 for unweighted estimation-bootstrap.

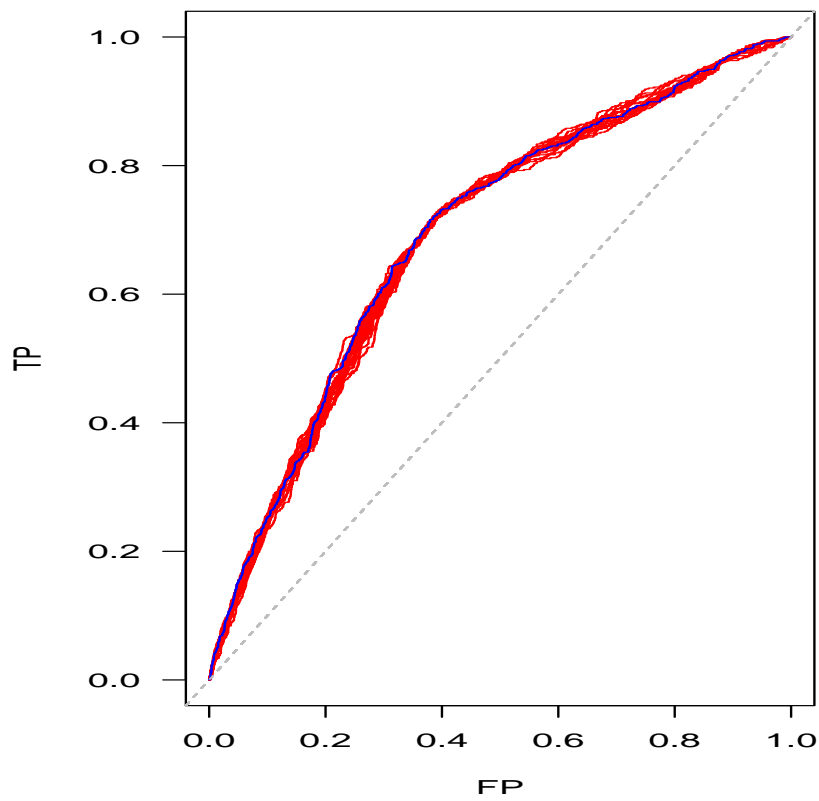


Fig. 3. ROC for logit_2 for weighted estimation-bootstrap.

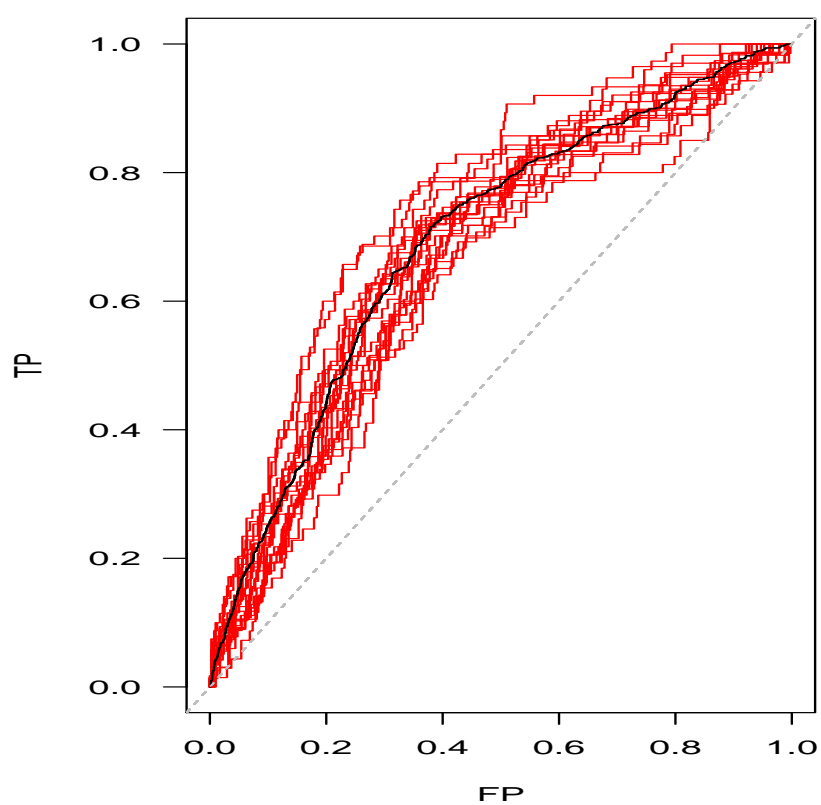


Fig. 4. ROC for logit_2 for unweighted estimation-jackknife.

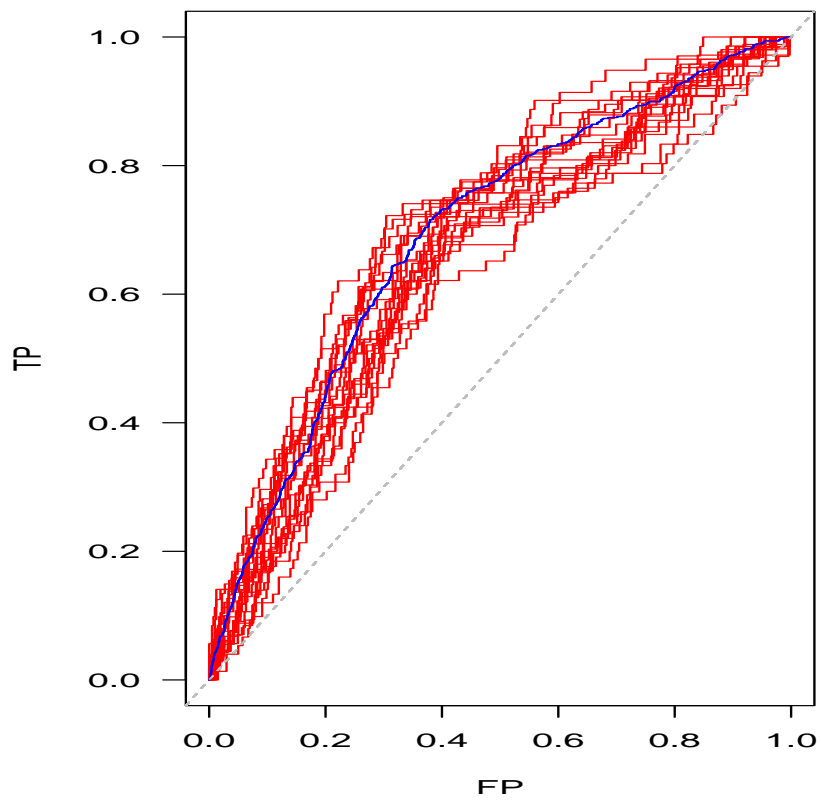


Fig. 5. ROC for logit_2 for weighed estimation-jackknife.

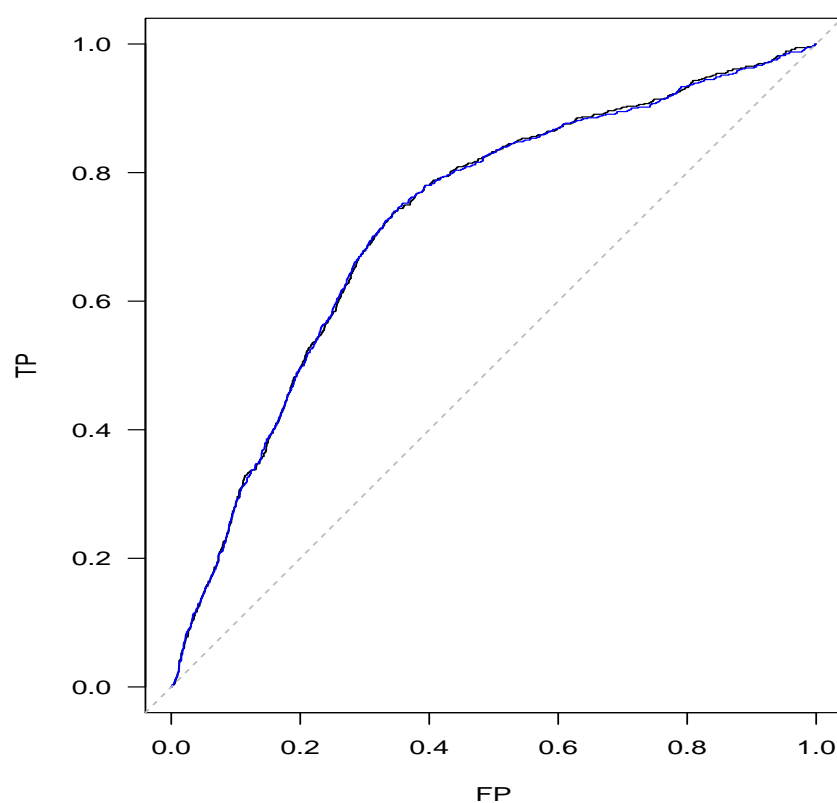


Fig. 6. ROC for logit_3 for unweighted (black curve) and weighed (blue curve) estimation.

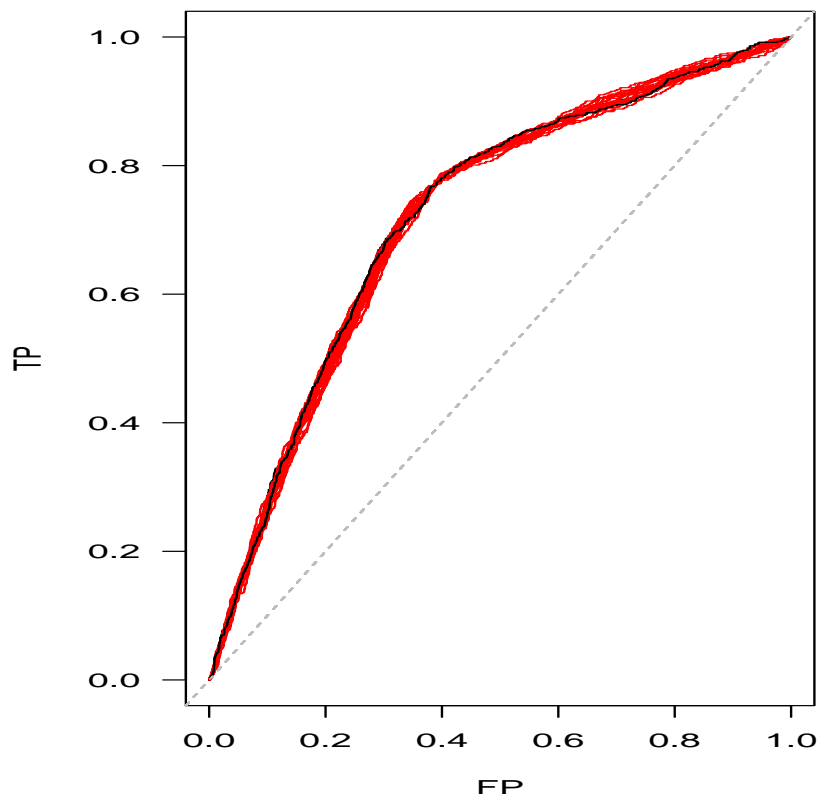


Fig. 7. ROC for logit_3 for unweighted estimation-bootstrap.

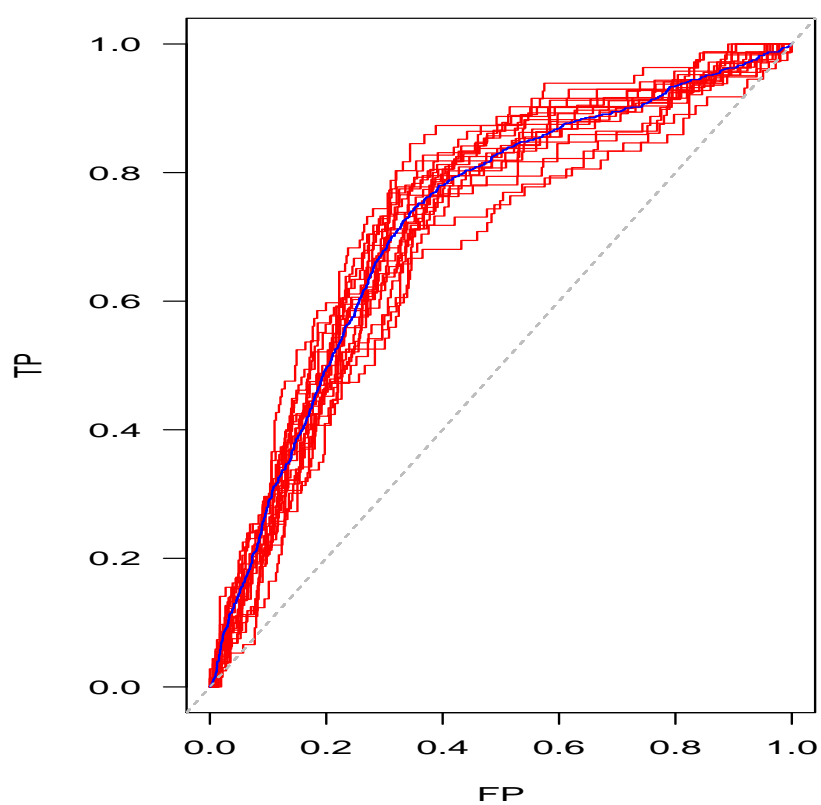


Fig. 8. ROC for logit_3 for weighted estimation-bootstrap.

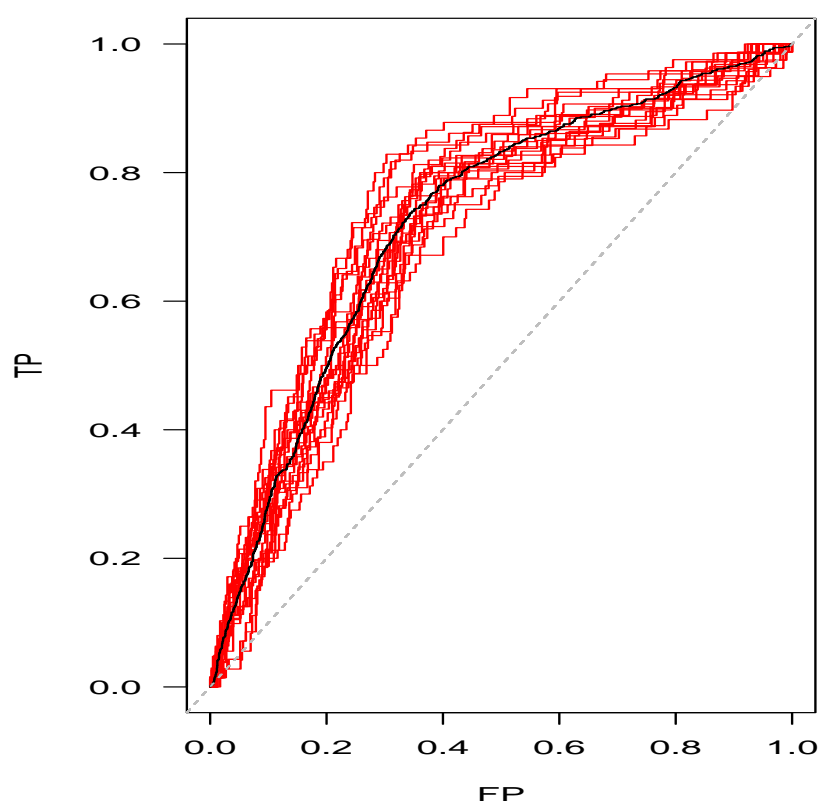


Fig. 9. ROC for logit_3 for unweighted estimation-jackknife.

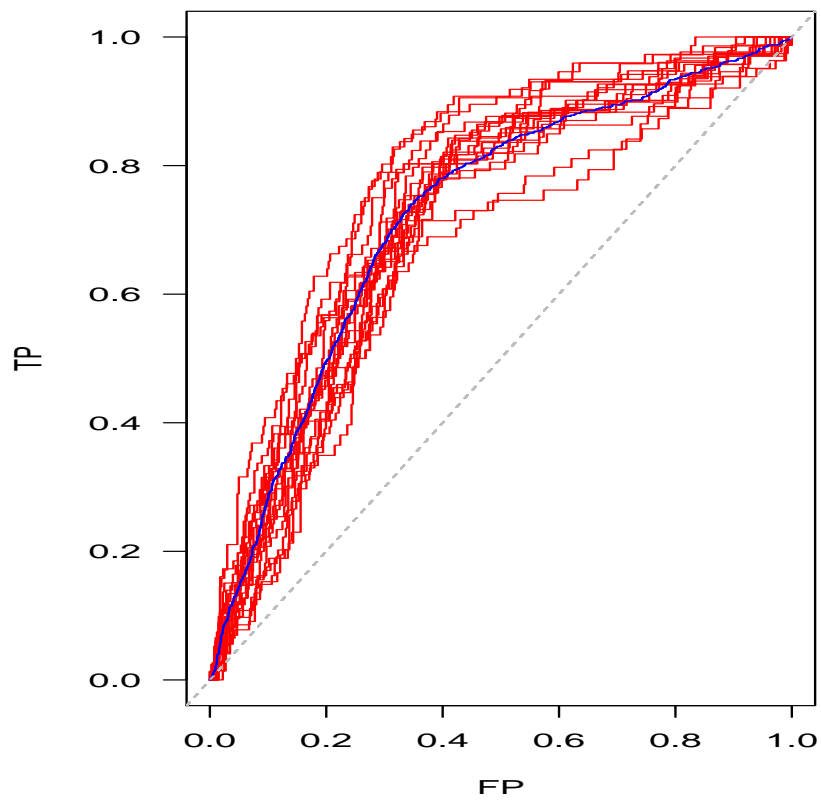


Fig. 10. ROC for logit_3 for weighed estimation-jackknife.

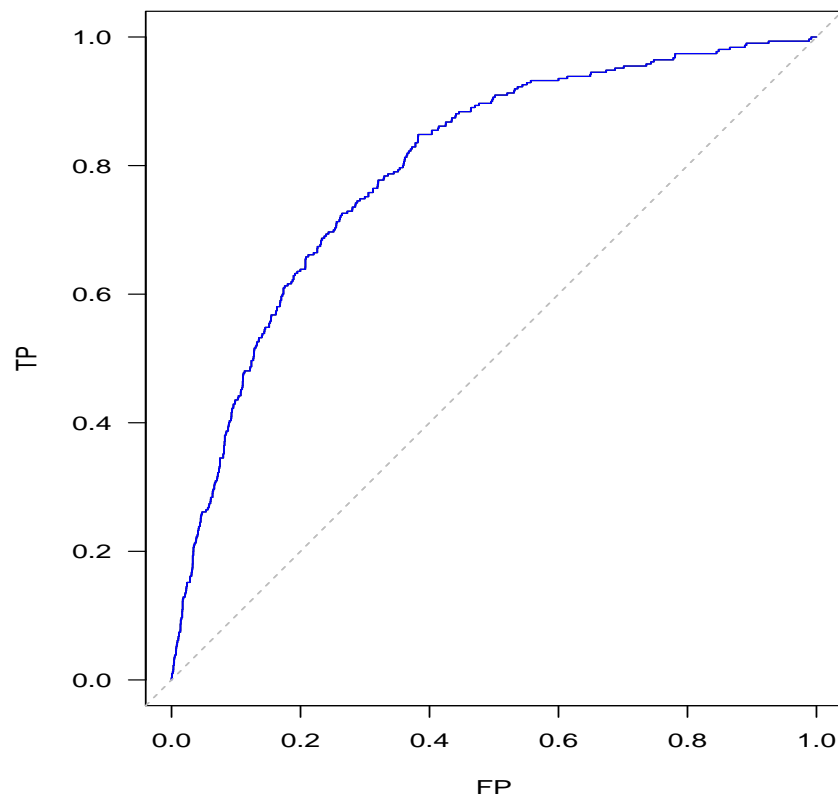


Fig. 11. ROC for logit_4 for unweighted (black curve) and weighed (blue curve) estimation.

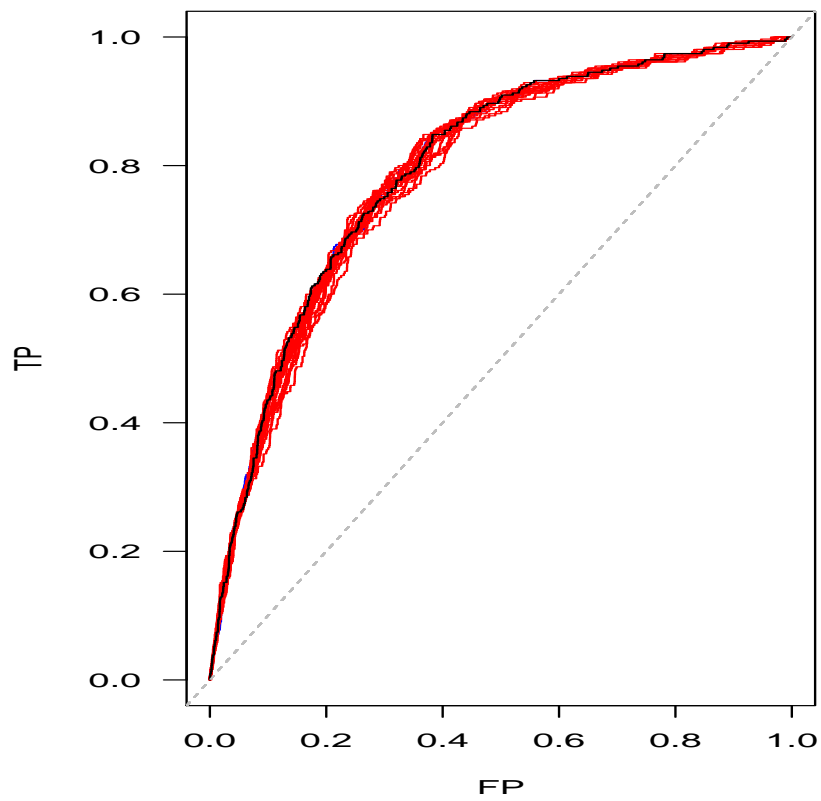


Fig. 12. ROC for logit_4 for unweighted estimation-bootstrap.

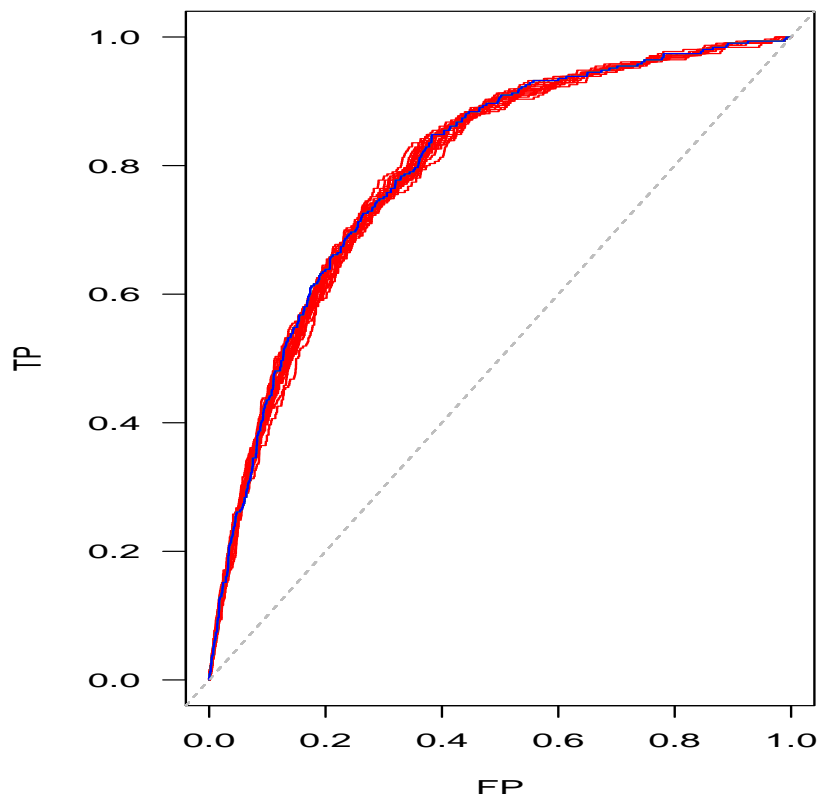


Fig. 13. ROC for logit_4 for weighted estimation-bootstrap.

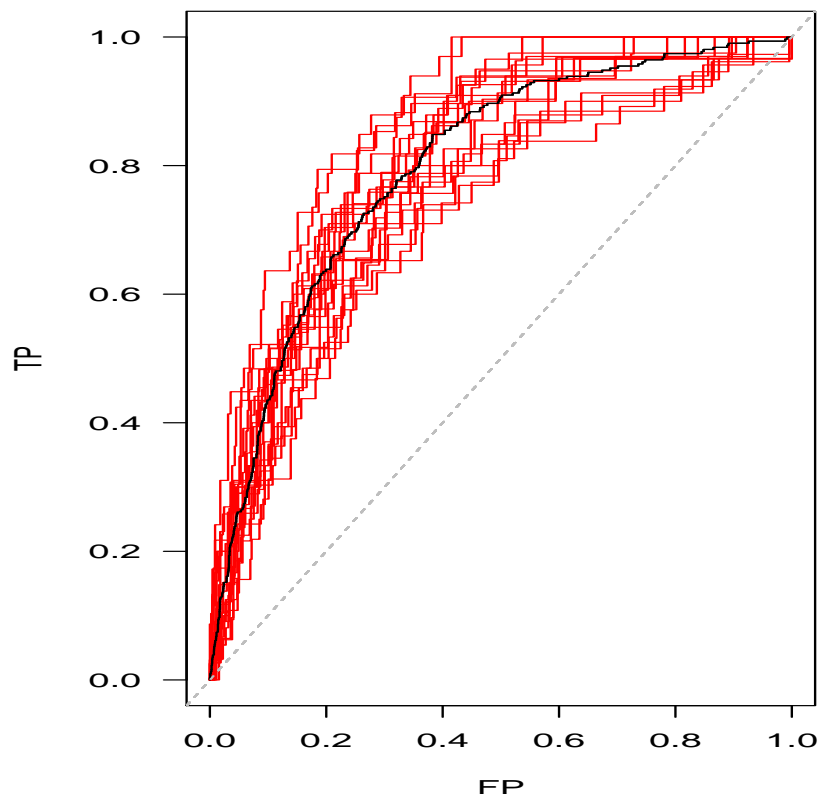


Fig. 14. ROC for logit_4 for unweighted estimation-jackknife.

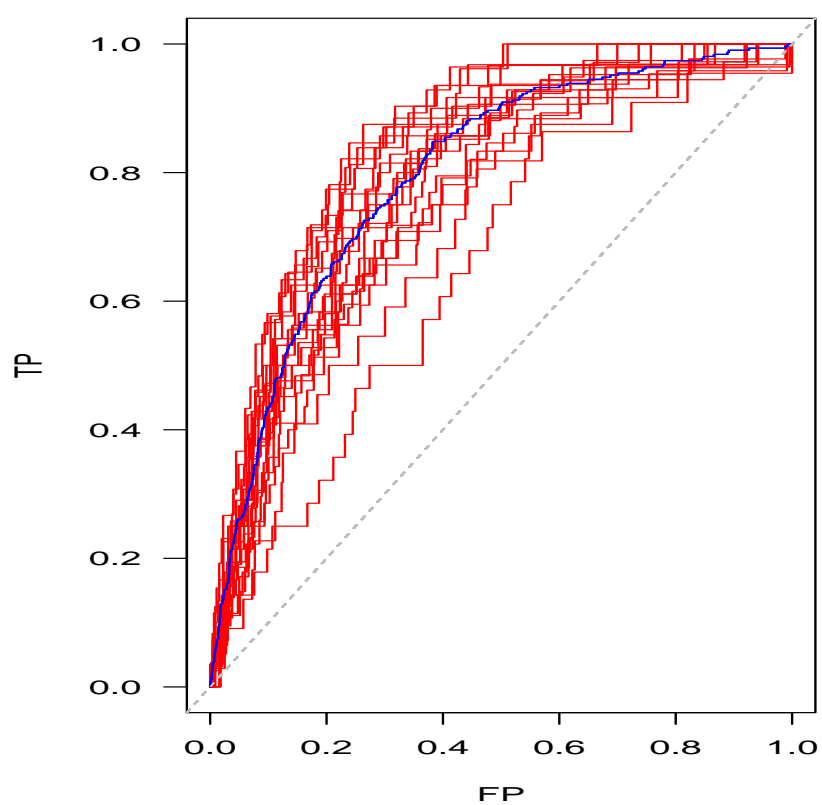


Fig. 15. ROC for logit_4 for weighed estimation-jackknife.