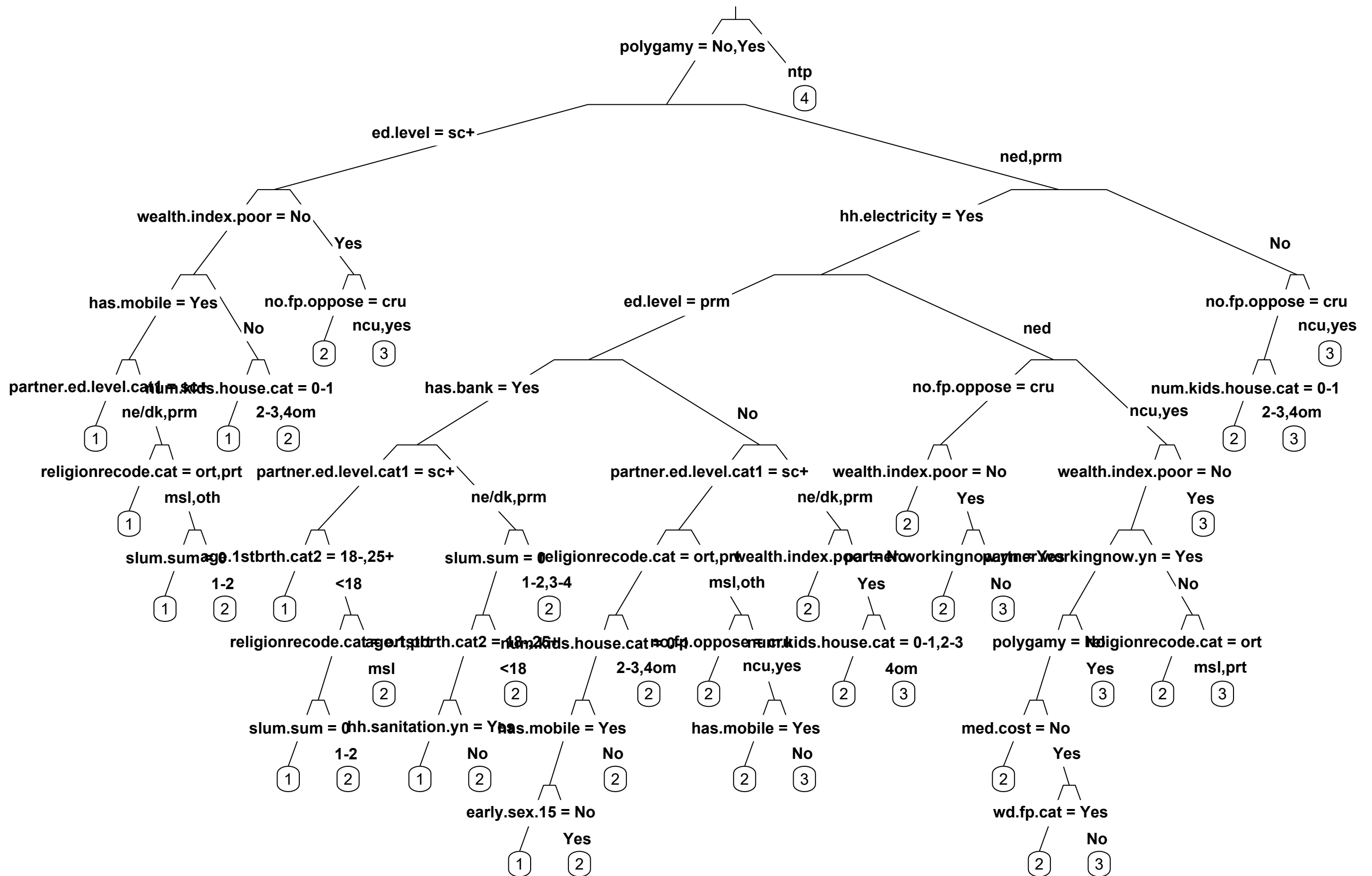
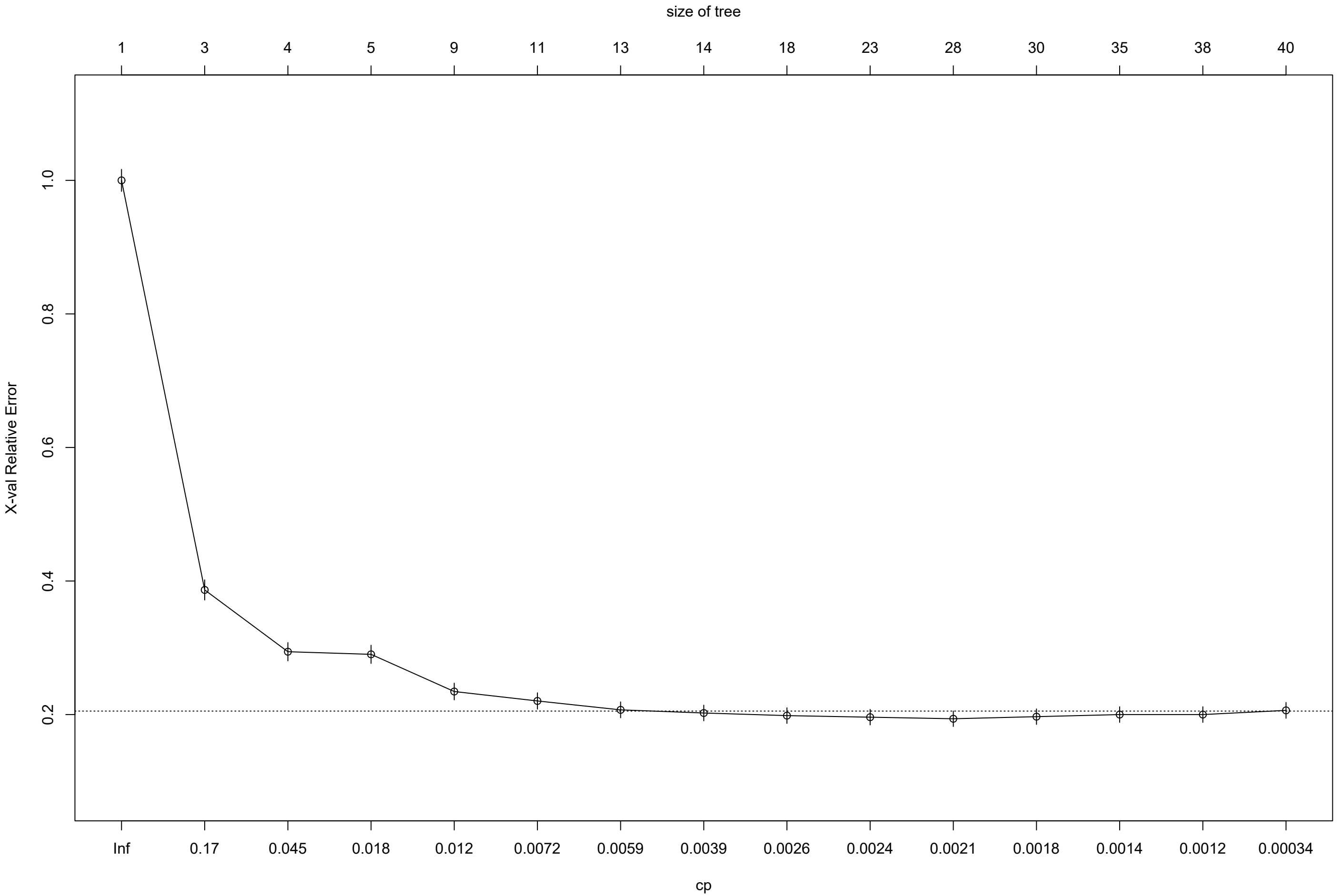


Ethiopia DHS 2016 | CART outputs | Urban | Nobs: 1951

variable	Sensitivity	Specificity	Pos.Pred.Value	Neg.Pred.Value	Precision	Recall	F1	Prevalence	Detection.Rate	Detection.Prevalence	Balanced.Accuracy
Class: 1	0.9585799	0.9615686	0.9296987	0.9776715	0.9296987	0.9585799	0.9439184	0.3464890	0.3321374	0.3572527	0.9600743
Class: 2	0.8859504	0.9494799	0.8874172	0.9487751	0.8874172	0.8859504	0.8866832	0.3100974	0.2747309	0.3095848	0.9177152
Class: 3	0.8526646	0.9834559	0.9096990	0.9715496	0.9096990	0.8526646	0.8802589	0.1635059	0.1394157	0.1532547	0.9180602
Class: 4	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	0.1799077	0.1799077	0.1799077	1.0000000

variable	tree_urban.variable.importance
polygamy	397.829666
ed.level	361.154759
partner.ed.level.cat1	152.194392
hh.electricity	141.515679
has.bank	110.255672
partner.workingnow.yn	100.434615
wealth.index.poor	87.534004
age.1stbrth.cat2	71.977519
no.fp.oppose	57.346064
religionrecode.cat	41.988946
num.kids.house.cat	34.212131
has.mobile	31.626478
slum.sum	21.304032
hh.sanitation.yn	16.677962
fertility.pref	15.353044
early.sex.15	13.579801
workingnow.yn	10.791014
water	7.413889
med.cost	7.300798
wd.fp.cat	5.873353
floor	4.665638
num.15up.4plus	3.244127
med.index.3plus	3.014333





Optimal CP: 1e-04. Optimal nsplit: 39.

CP	nsplit	rel.error	xerror	xstd
0.306666666666667	0	1	1	0.0164850254095387
0.0996078431372549	2	0.386666666666667	0.386666666666667	0.0150543983005591
0.0203921568627451	3	0.287058823529412	0.294117647058824	0.0136506999577484
0.0162745098039216	4	0.266666666666667	0.290196078431373	0.0135808820546879
0.00823529411764706	8	0.20156862745098	0.234509803921569	0.012479632492781
0.00627450980392157	10	0.185098039215686	0.220392156862745	0.012163892575753
0.00549019607843137	12	0.172549019607843	0.207058823529412	0.0118500637098365
0.00274509803921569	13	0.167058823529412	0.202352941176471	0.0117354436536104
0.00250980392156863	17	0.156078431372549	0.19843137254902	0.0116383197310109
0.00235294117647059	22	0.143529411764706	0.196078431372549	0.0115793276159625
0.00196078431372549	27	0.130980392156863	0.193725490196078	0.0115197870872416
0.00156862745098039	29	0.127058823529412	0.196862745098039	0.011599052174349
0.00130718954248366	34	0.11921568627451	0.2	0.0116773472410714
0.00117647058823529	37	0.115294117647059	0.2	0.0116773472410714
1e-04	39	0.112941176470588	0.206274509803922	0.0118311041070274

variable	Sensitivity	Specificity	Pos.Pred.Value	Neg.Pred.Value	Precision	Recall	F1	Prevalence	Detection.Rate	Detection.Prevalence	Balanced.Accuracy
Class: 1	0.9585799	0.9615686	0.9296987	0.9776715	0.9296987	0.9585799	0.9439184	0.3464890	0.3321374	0.3572527	0.9600743
Class: 2	0.8859504	0.9494799	0.8874172	0.9487751	0.8874172	0.8859504	0.8866832	0.3100974	0.2747309	0.3095848	0.9177152
Class: 3	0.8526646	0.9834559	0.9096990	0.9715496	0.9096990	0.8526646	0.8802589	0.1635059	0.1394157	0.1532547	0.9180602
Class: 4	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	0.1799077	0.1799077	0.1799077	1.0000000

