## MB(Y) = SB(Y) (268 repetitions) $MB(Y) \neq SB(Y)$ (232 repetitions) 1.00 1.00 Test accuracy Test accuracy 0.75 0.50 0.50 0.25 0.25 0.00 0.00 SC (a) SC (b) SC (c) SC (d) Log. Reg. RF SC (a) SC (b) SC (d) Log. Reg. RF **Probit Regression Model Probit Regression Model** MB(Y) = SB(Y) (290 repetitions) $MB(Y) \neq SB(Y)$ (210 repetitions) 1.00 1.00 **Test accuracy** Test accuracy 0.75 0.50 0.50 0.25 0.25 0.00 0.00 SC (c) SC (a) SC (b) SC (a) SC (b) SC (c) SC (d) Log. Reg. SC (d) Log. Reg. RF Non-Linear Logistic Regression Model Non-Linear Logistic Regression Model MB(Y) = SB(Y) (294 repetitions) $MB(Y) \neq SB(Y)$ (206 repetitions) 1.00 1.00 **Test accuracy** Test accuracy 0.50 0.25 0.25 0.00 0.00 SC (b) SC (c) SC (d) SC (a) SC (b) SC (a) ŔF SC (c) SC (d) ŔF Log. Reg. **Bump Model Bump Model** MB(Y) = SB(Y) (296 repetitions) $MB(Y) \neq SB(Y)$ (204 repetitions) 1.00 1.00 Test accuracy **Test accuracy** 0.75 0.50 0.25 0.25 0.00 0.00 SC (b) SC (a) SC(c) SC (d) RF SC (a) SC (b) SC (c) SC (d) RF

Logistic Regression Model

Logistic Regression Model