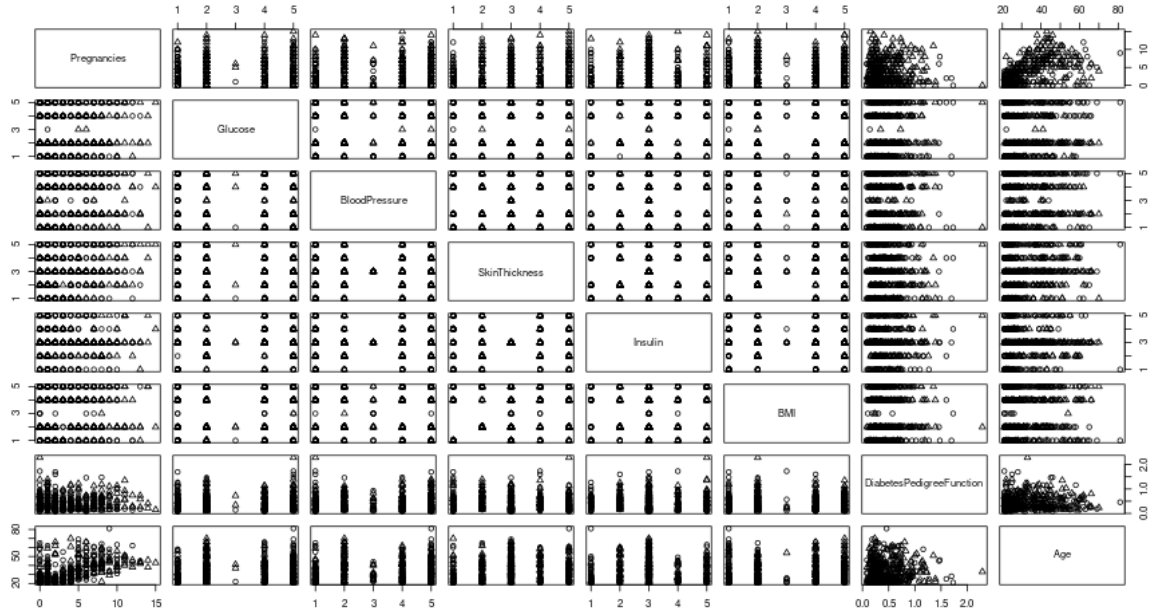
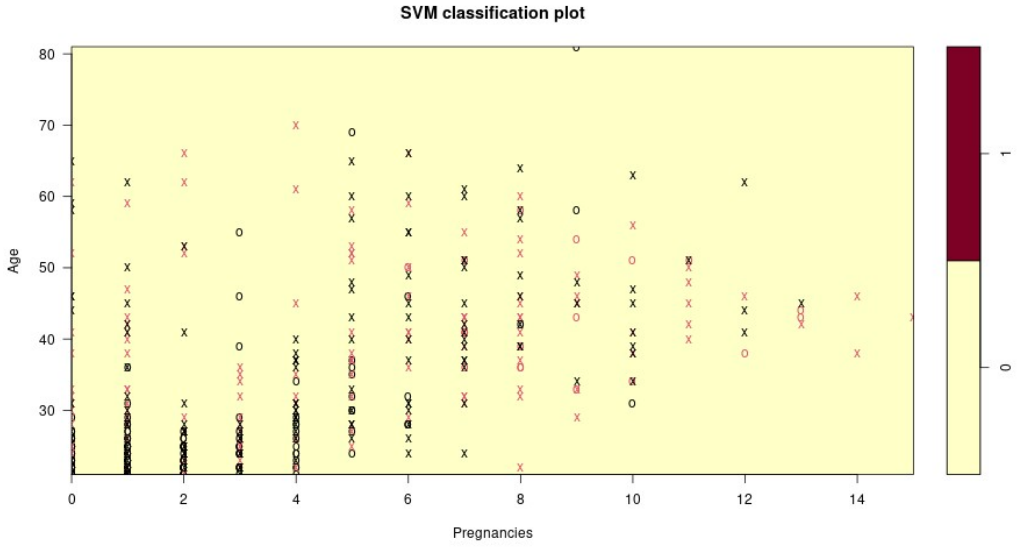
Logistic Regression:



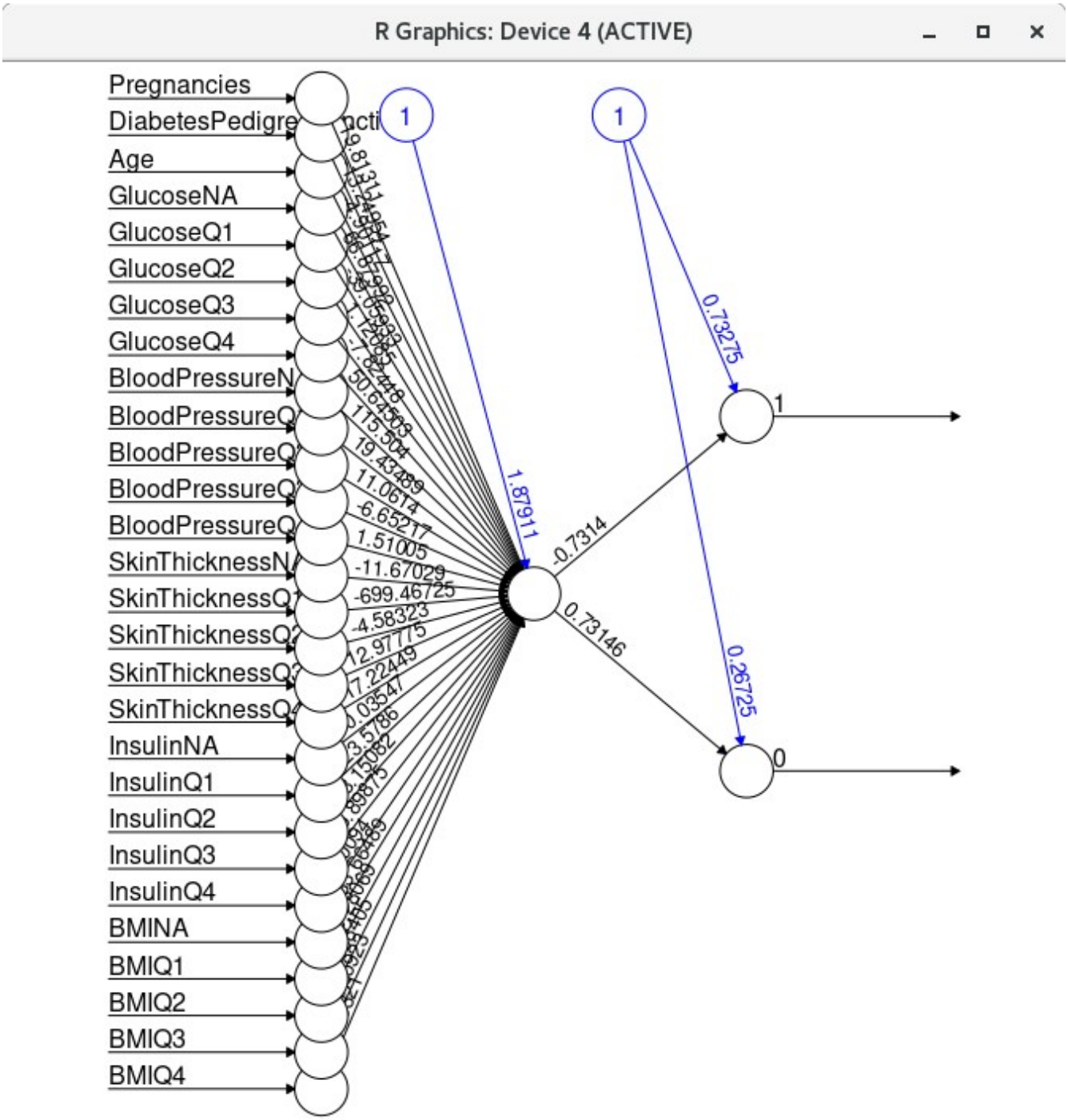
The logistic regression model had an accuracy of 0.755, a sensitivity of 0.61, and a specificity of 0.83.

SVM:



The SVM model had an accuracy of 0.765, a sensitivity of 0.55, and a specificity of 0.88.

Neural Network:



The neural network model had an accuracy of 0.667, a sensitivity of 0.17, and a specificity of 0.93.

KNN:

KNN with k = 1 had an accuracy of 0.677, a sensitivity of 0.50, and a specificity of 0.77.
KNN with k = 3 had an accuracy of 0.687, a sensitivity of 0.55, and a specificity of 0.76.
KNN with k = 10 had an accuracy of 0.73, a sensitivity of 0.55, and a specificity of 0.83.

Analysis:
The best of these models are logistic regression and SVM. Although the accuracy of the SVM model is slightly higher than that of the logistic regression model, the logistic regression model has a significantly higher sensitivity, which may make it a more effective diagnostic tool.