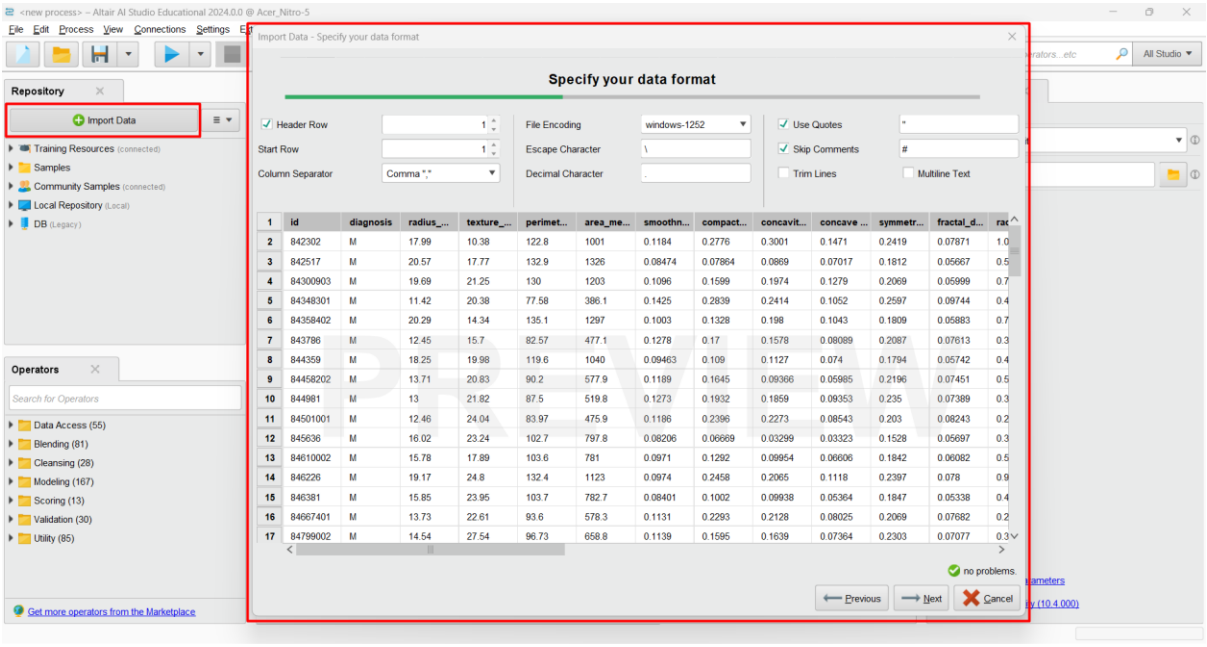
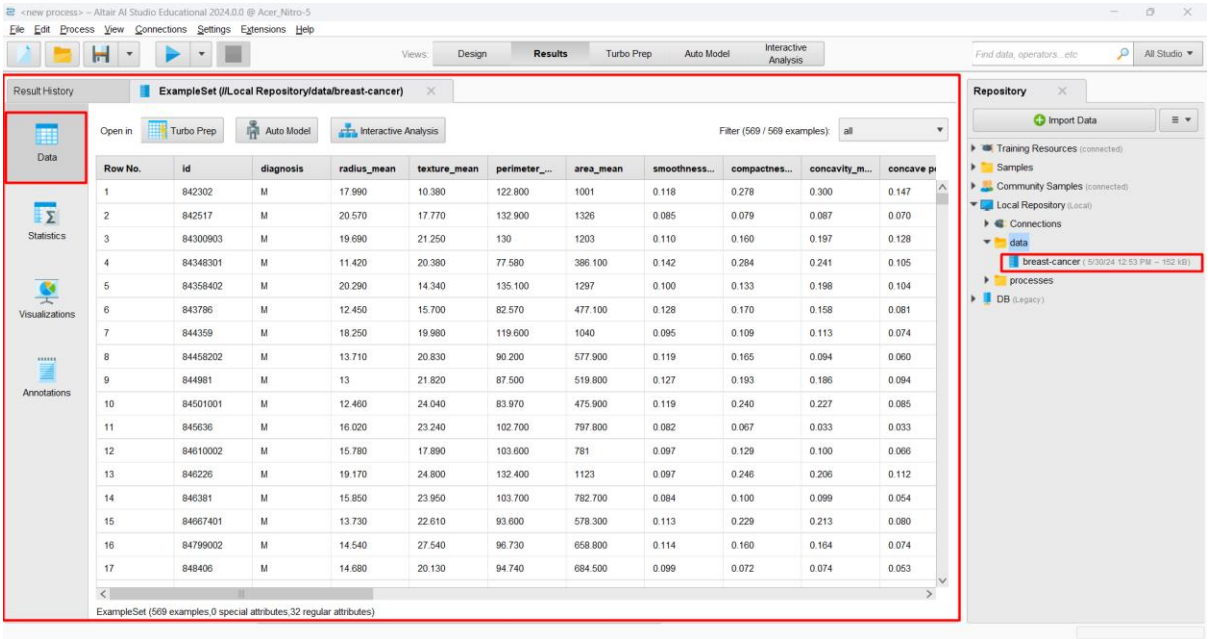
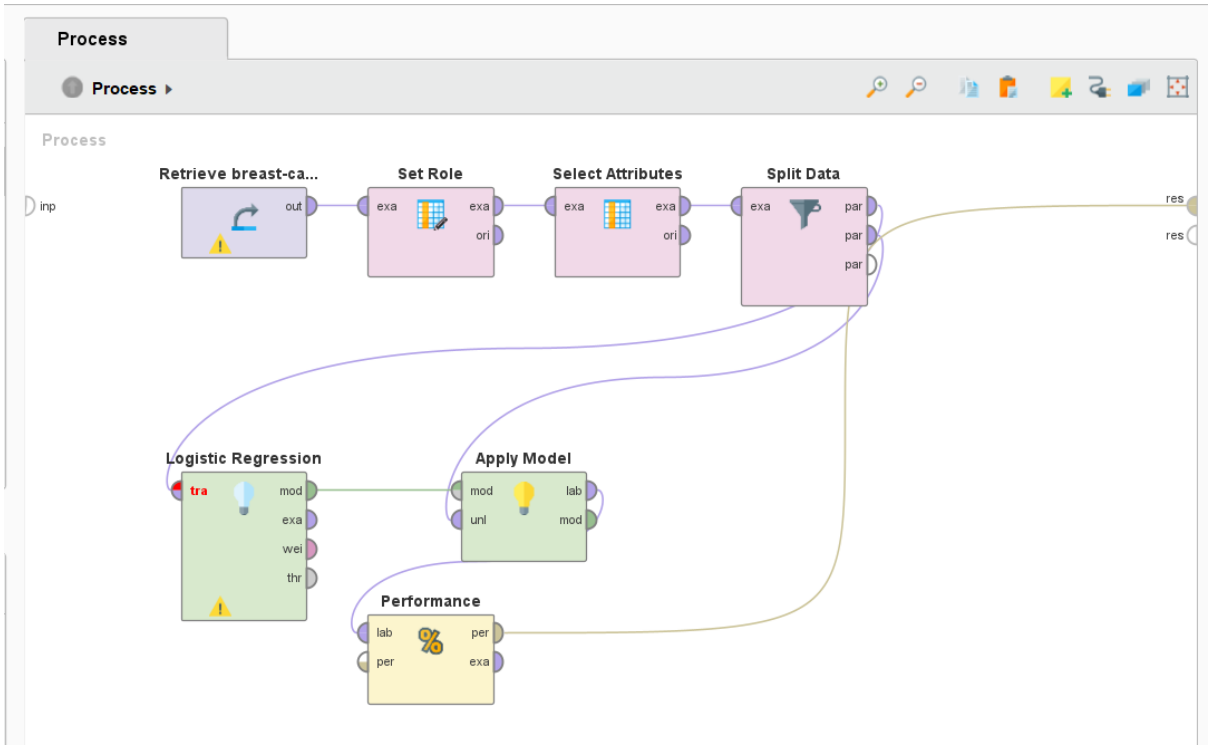
Breast Cancer Prediction using Logistic Regression

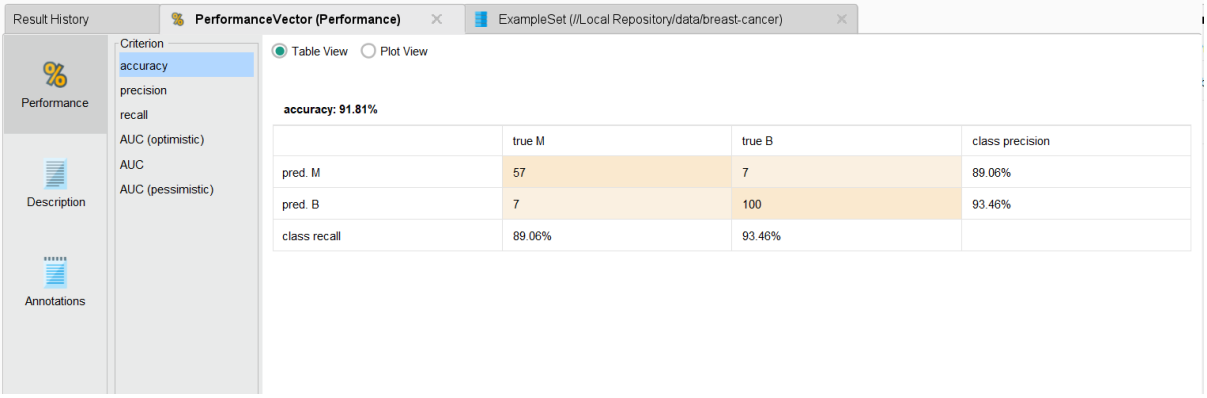
Step 1: Importing the Data



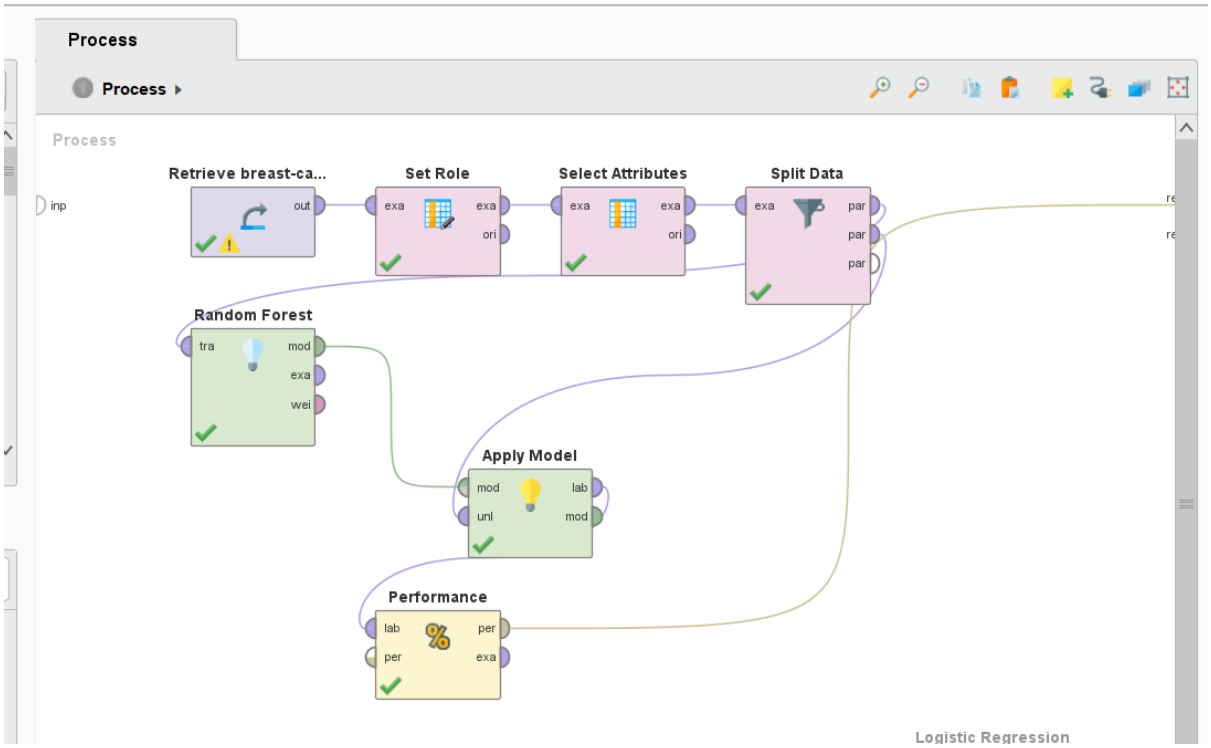


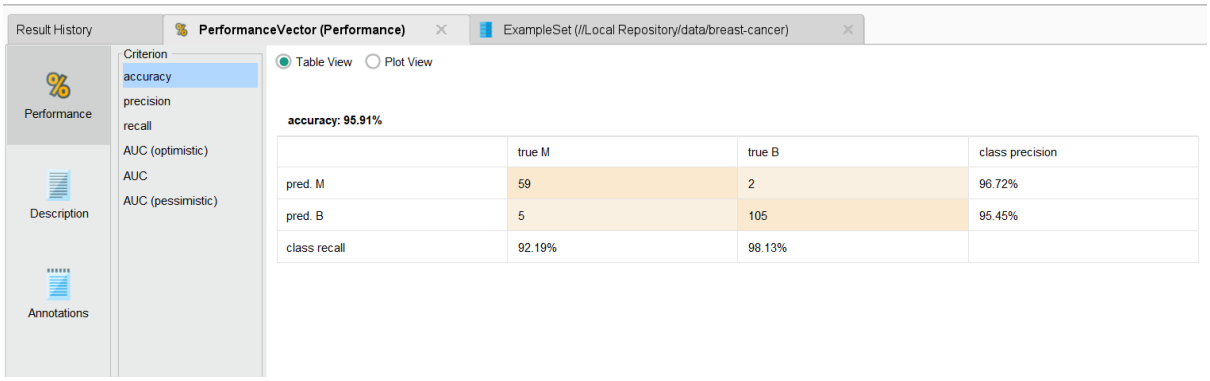
Step 2: Logistic Regression





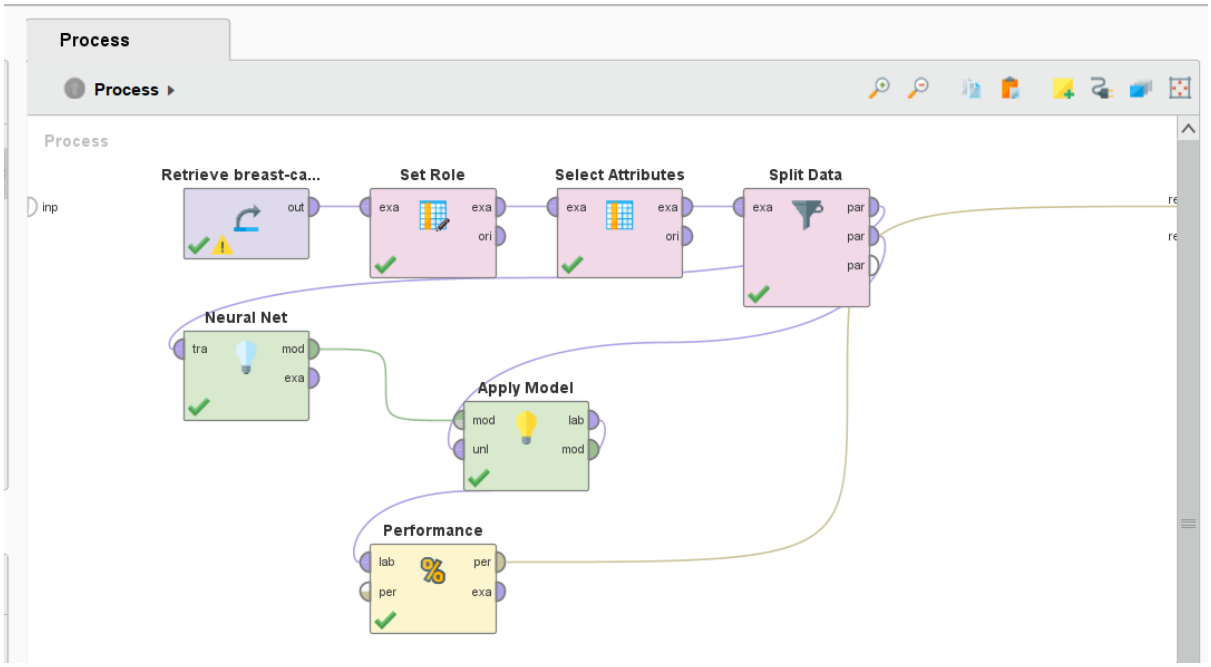
Step 3: Random Forest

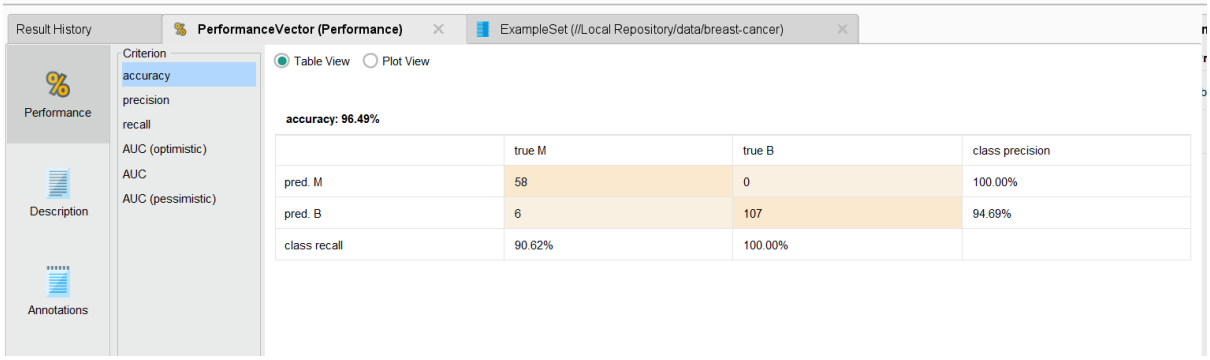




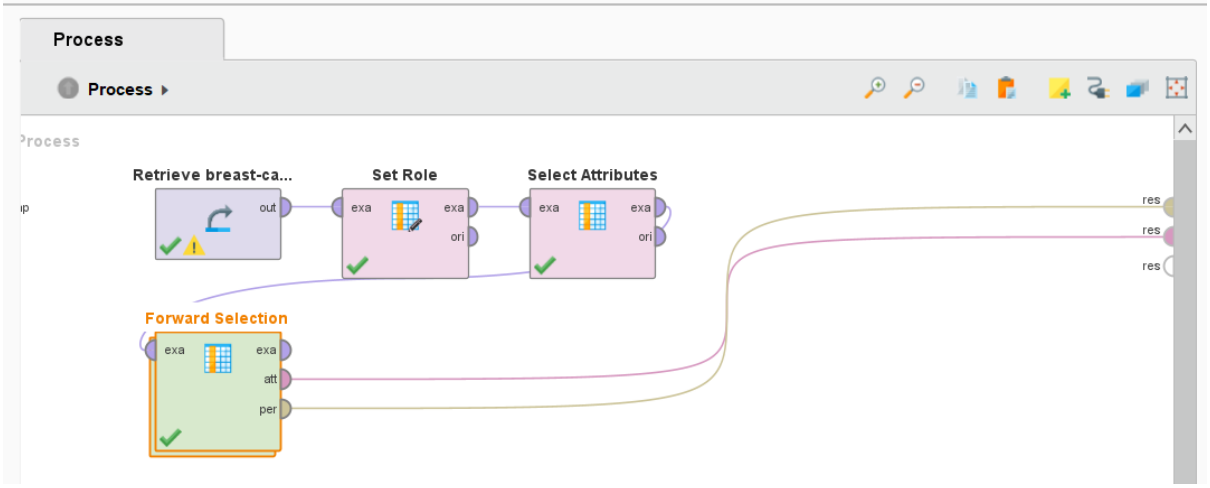
	true M	true B	class precision
pred. M	59	2	96.72%
pred. B	5	105	95.45%
class recall	92.19%	98.13%	

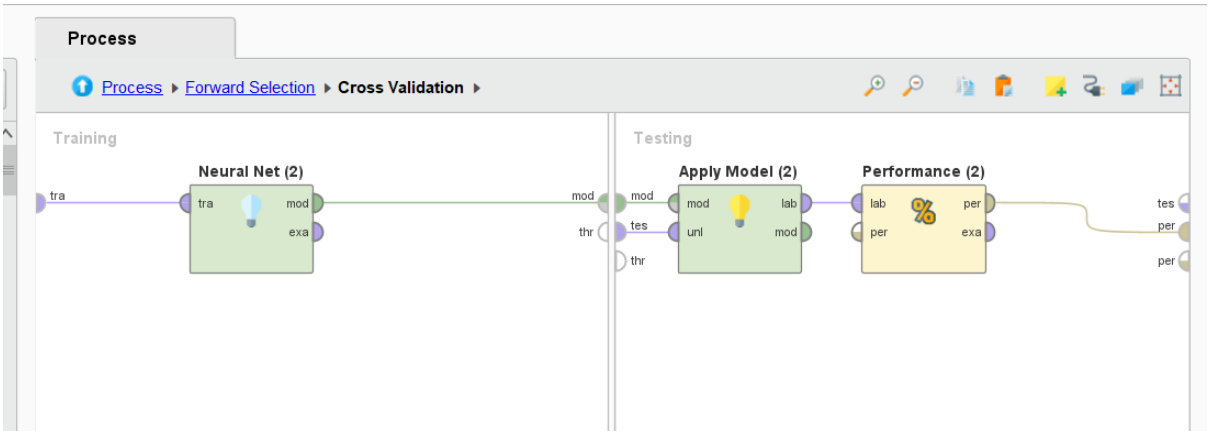
Step 4: Neural Net

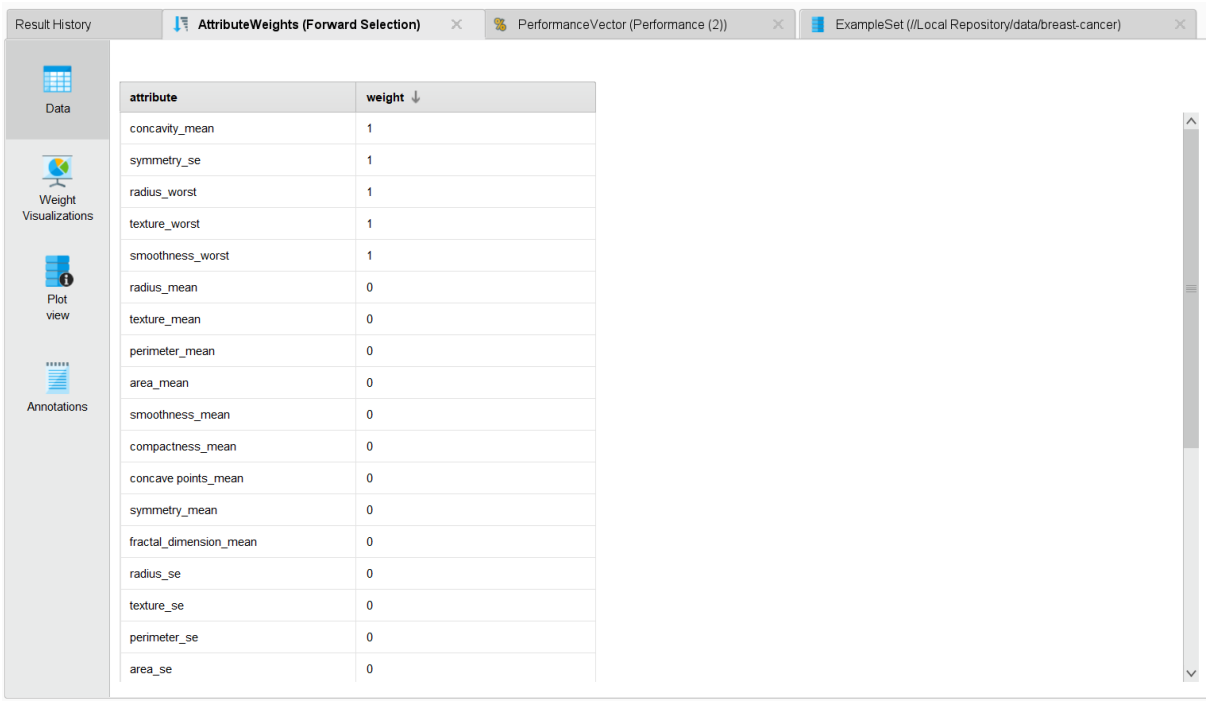




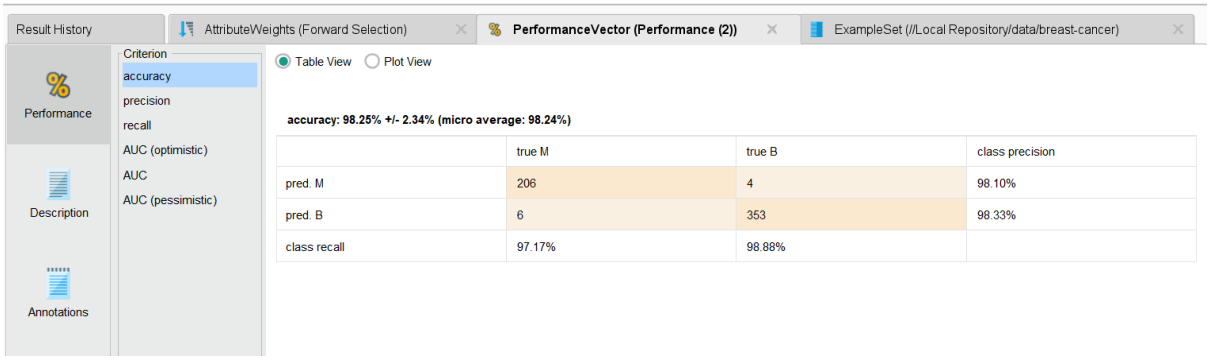
Step 5: Forward Selection







attribute	weight
concavity_mean	1
symmetry_se	1
radius_worst	1
texture_worst	1
smoothness_worst	1
radius_mean	0
texture_mean	0
perimeter_mean	0
area_mean	0
smoothness_mean	0
compactness_mean	0
concave points_mean	0
symmetry_mean	0
fractal_dimension_mean	0
radius_se	0
texture_se	0
perimeter_se	0
area_se	0



	true M	true B	class precision
pred. M	206	4	98.10%
pred. B	6	353	98.33%
class recall	97.17%	98.88%	