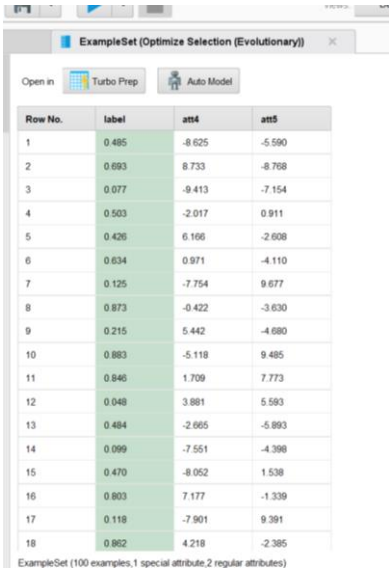
Lab 6

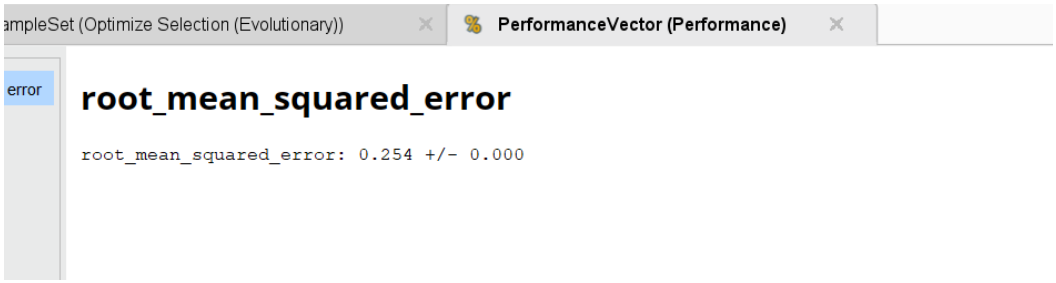
Joud Aljehani-2111644

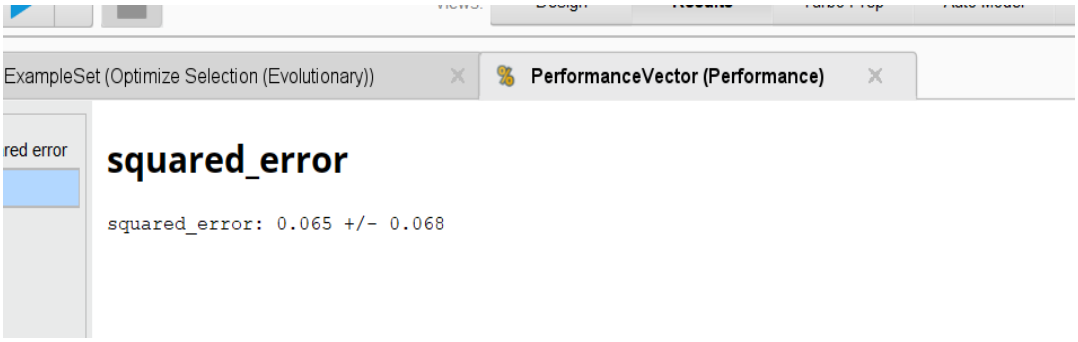
SVM-Evolution optimaization



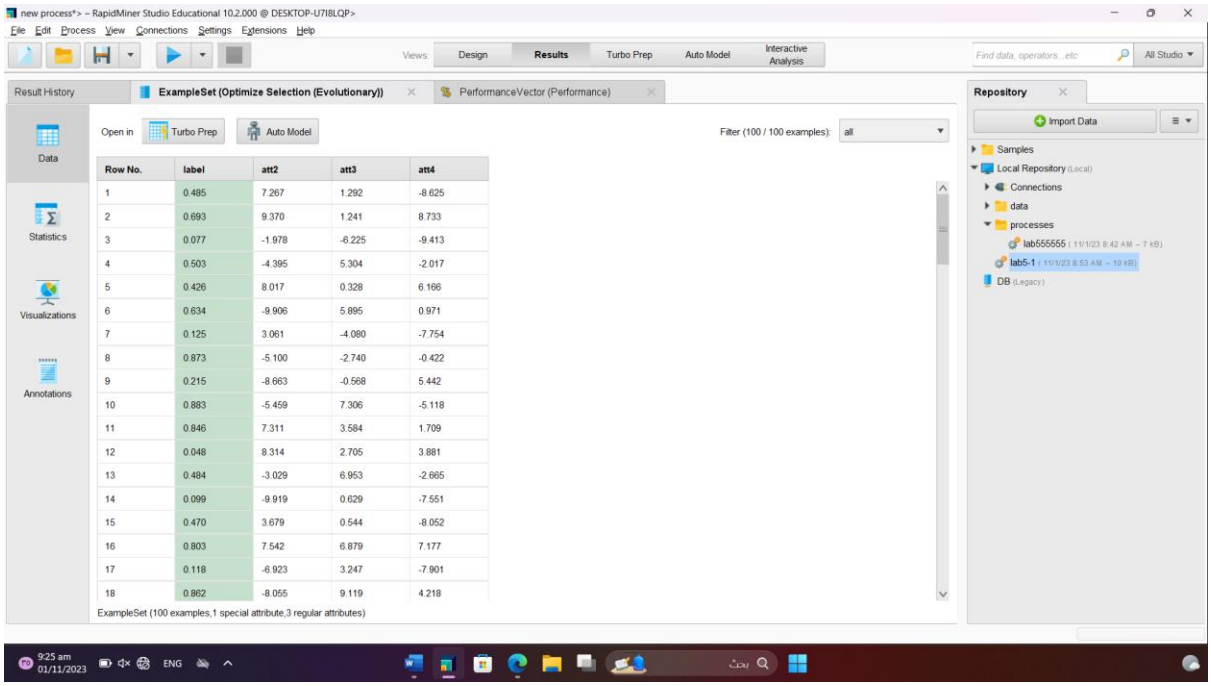
Row No.	label	att4	att5
1	0.485	-8.625	-5.590
2	0.693	8.733	-8.768
3	0.077	-9.413	-7.154
4	0.503	-2.017	0.911
5	0.426	6.166	-2.608
6	0.634	0.971	-4.110
7	0.125	-7.754	9.677
8	0.873	-0.422	-3.630
9	0.215	5.442	-4.680
10	0.883	-5.118	9.485
11	0.846	1.709	7.773
12	0.048	3.881	5.593
13	0.484	-2.665	-5.893
14	0.099	-7.551	-4.398
15	0.470	-8.052	1.538
16	0.803	7.177	-1.339
17	0.118	-7.901	9.391
18	0.862	4.218	-2.385

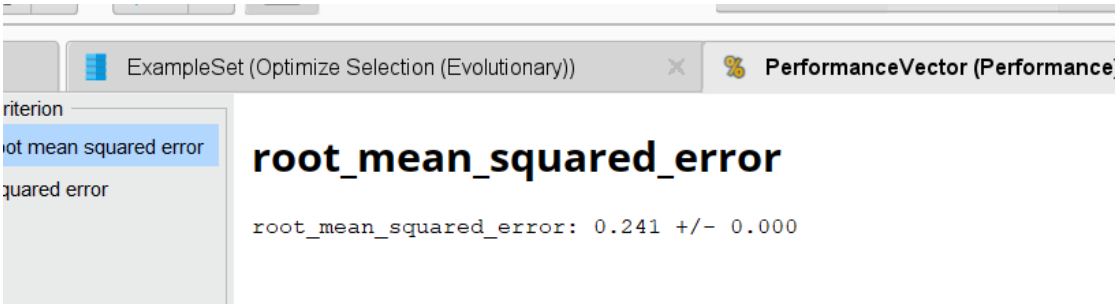
ExampleSet (100 examples,1 special attribute,2 regular attributes)

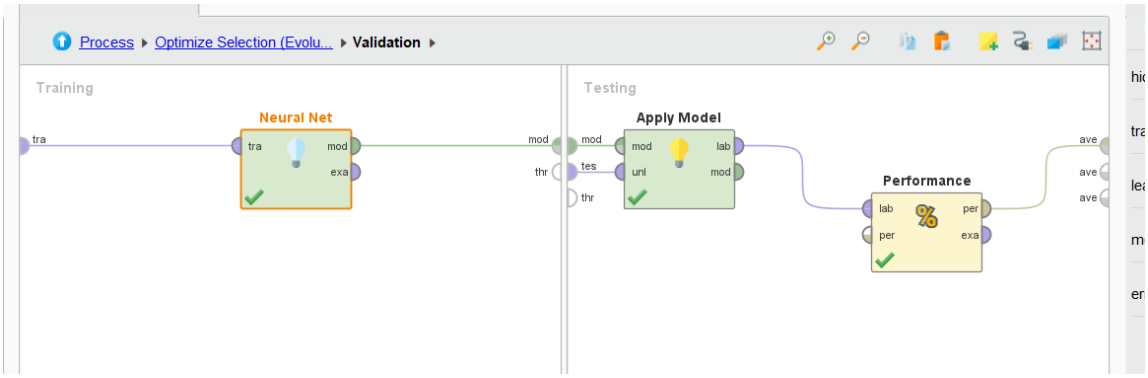




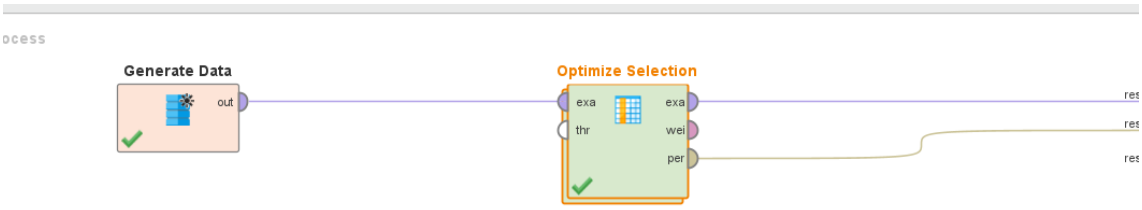
NN -Evolution optimaization

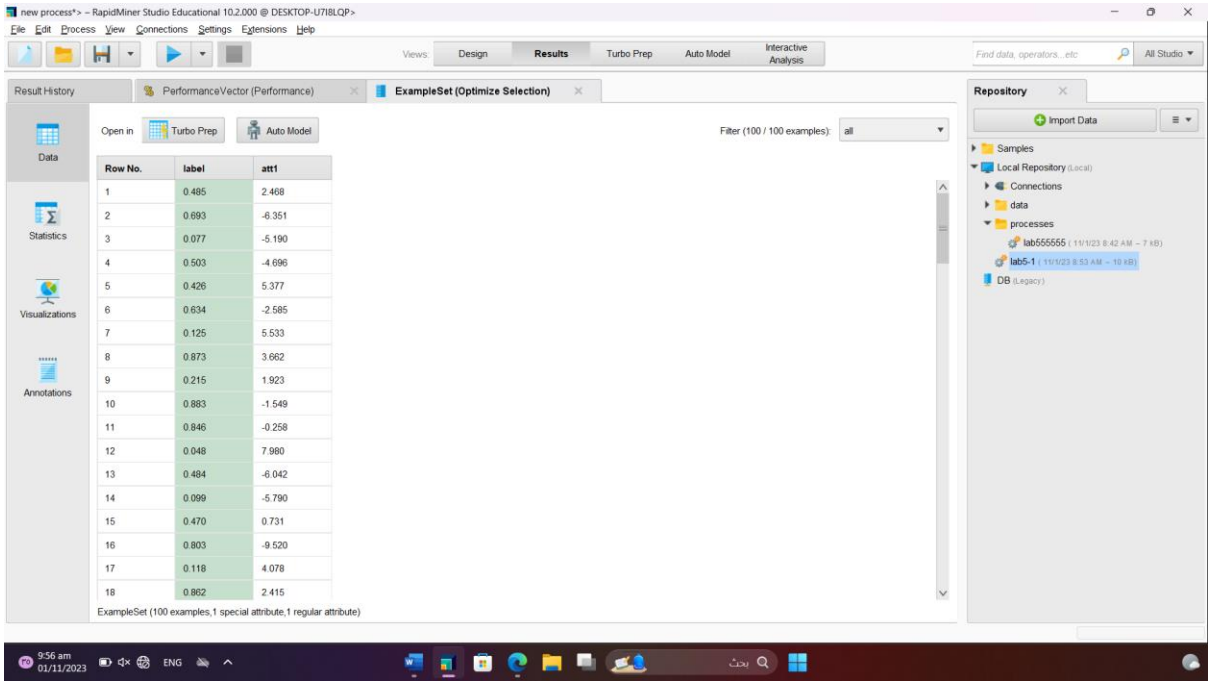


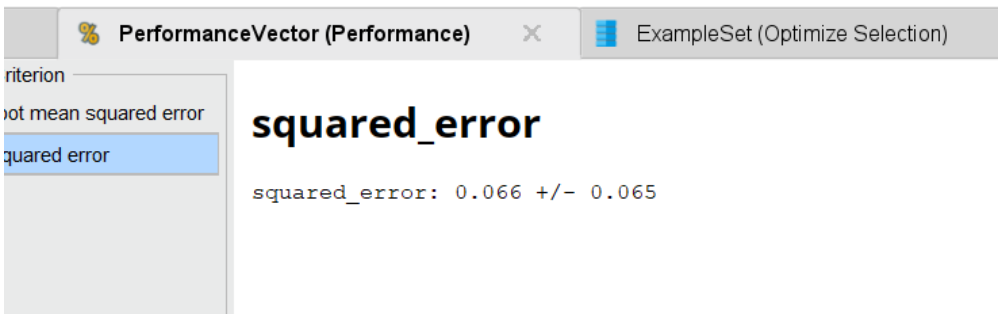




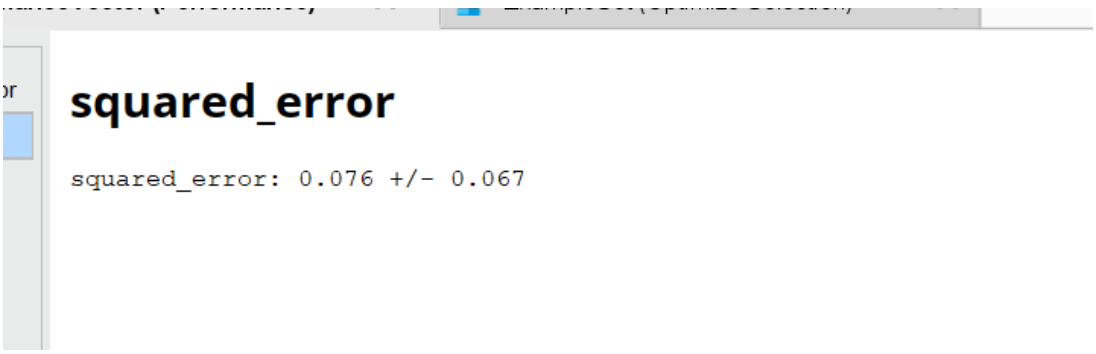
NN -selection optimaization-forward



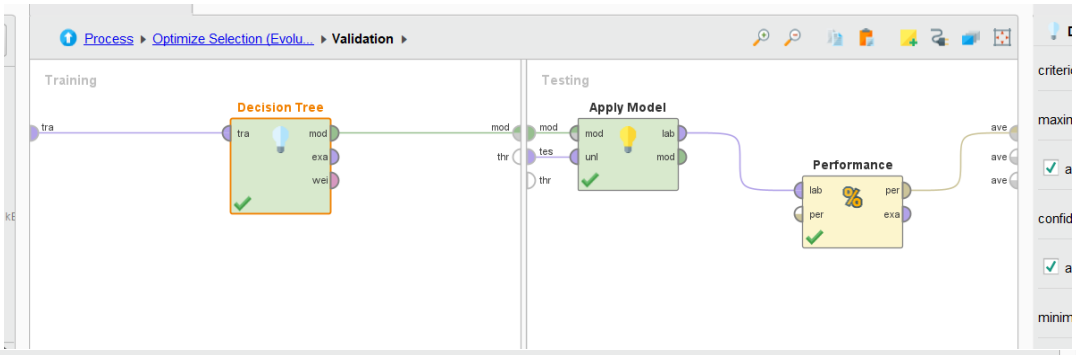


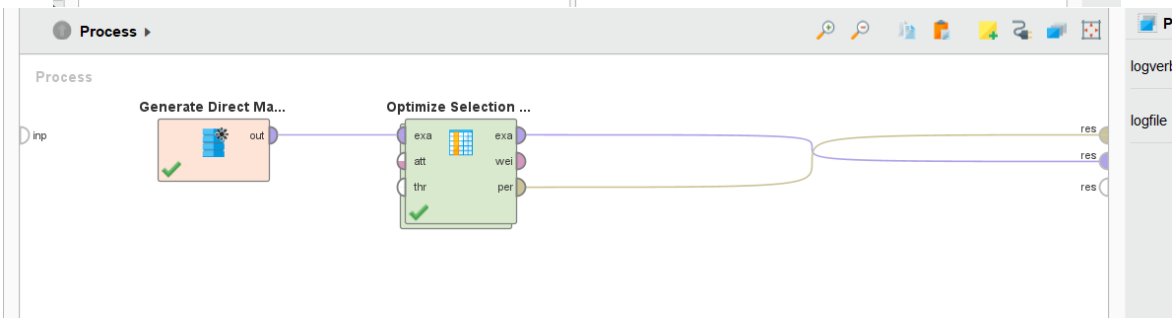


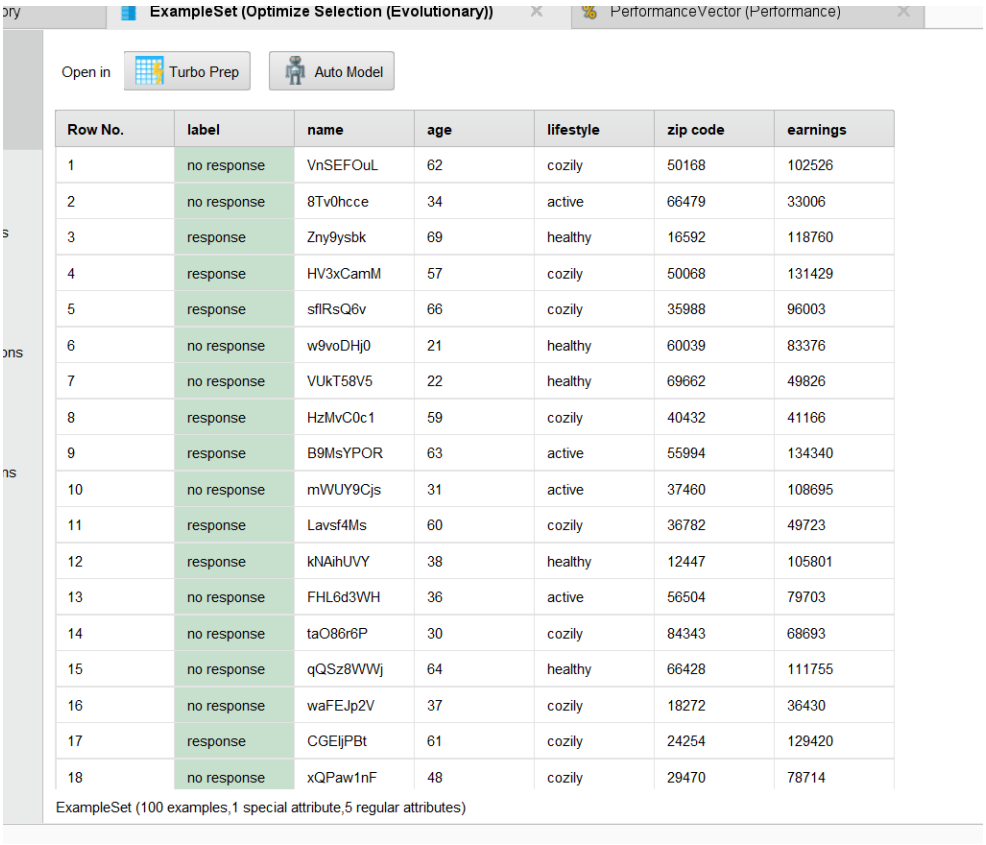
NN -selection optimaization - backwoard



2- Decision Tree







Row No.	label	name	age	lifestyle	zip code	earnings
1	no response	VnSEFOuL	62	cozily	50168	102526
2	no response	8Tv0hcce	34	active	66479	33006
3	response	Zny9ysbk	69	healthy	16592	118760
4	response	HV3xCamM	57	cozily	50068	131429
5	response	sfIRsQ6v	66	cozily	35988	96003
6	no response	w9voDHj0	21	healthy	60039	83376
7	no response	VUkT58V5	22	healthy	69662	49826
8	response	HzMvC0c1	59	cozily	40432	41166
9	response	B9MsYPOR	63	active	55994	134340
10	no response	mWUY9Cjs	31	active	37460	108695
11	response	Lavsf4Ms	60	cozily	36782	49723
12	response	kNAihUVY	38	healthy	12447	105801
13	no response	FHL6d3WH	36	active	56504	79703
14	no response	taO86r6P	30	cozily	84343	68693
15	no response	qQSz8WWj	64	healthy	66428	111755
16	no response	waFEJp2V	37	cozily	18272	36430
17	response	CGEIjPBt	61	cozily	24254	129420
18	no response	xQPaw1nF	48	cozily	29470	78714

ExampleSet (100 examples,1 special attribute,5 regular attributes)

The best sutied one is the NN with Evoluation optimaization with less error