D4Science Infrastructure - Support #10357

Support Vector Machines not working

Nov 16, 2017 12:40 PM - Gianpaolo Coro

Status:	Closed		**Start date:**	Nov 16, 2017
Priority:	Normal		**Due date:**	
Assignee:	Lucio Lelii		**% Done:**	100%
Category:	High-Throughput-Computing		**Estimated time:**	0.00 hour
Infrastructure:	Production			

Description

SVMs are not working on the DataMiner. If this depends on the conflict is in the libsmv inside RapidMiner, this can be deleted because we are not using the SVMs of RapidMiner.

History

#1 - Nov 16, 2017 12:47 PM - Lucio Lelii

I'm not the developer of the repidminer jar. I really don't know who is using it in the algorithms and if it can be changed.
Also this is a uberjar containing other jar, do you know how it is created?

#2 - Nov 16, 2017 01:32 PM - Gianpaolo Coro

No one is. RapidMiner is a third party framework. The current integrated version is 5, the last that was Open Source. The SVM library should be deleted either from the jar directly or from the RM clone here (a .jardesc executor is already available to generate the jar):

https://svn.d4science.research-infrastructures.eu/gcube/trunk/Common/RapidMiner/RapidMiner_Wasat

Alternatively, we can add it among the direct dependencies of DM, as it was previously. Anyway, we are talking about something that worked previously.

#3 - Nov 16, 2017 01:54 PM - Gianpaolo Coro

I add that RapidMiner is one of the most important frameworks integrated by the DataMiner (together with Weka), thus it should be legacy if possible.

#4 - Nov 16, 2017 02:10 PM - Lucio Lelii

It worked in the past only because the svn library integrated in the algortithm was the same version of the one in rapidminer.

#5 - Nov 16, 2017 02:43 PM - Gianpaolo Coro

So one way could be to make SVMs use the same lib version of RapidMiner?

#6 - Nov 16, 2017 04:46 PM - Gianpaolo Coro

- Status changed from New to Closed

- % Done changed from 0 to 100

We have switched to the SVMs of Rapid Miner which are equal to the one we were using but it is the "Svm" class instead of the "svm" class. The issue has been fixed.