QGIS Application - Bug report #21347
[Processing] Matrix distance does not output right fields when using N x T matrix type

2019-02-22 08:39 AM - Harrissou Santanna

Status:	Open		
Priority:	Normal		
Assignee:			
Category:	Processing/QGIS		
Affected QGIS version:	3.5(master)	**Regression?:**	No
Operating System:		**Easy fix?:**	No
Pull Request or Patch supplied:	No	**Resolution:**	
Crashes QGIS or corrupts data:	No	**Copied to github as #:**	29165

Description

When running the distance matrix algorithm on all the features using the "Standard (N x T) distance matrix" type, you get columns corresponding to all target features.

When limiting the number of closest features to k, you get k new columns that do not necessarily match the closest features. I would expect to get:

- columns corresponding to each closest point ID (so the number may be different from k, depending on data distribution)
- and calculation between each input feature and the identified closest features

In the attached screenshot, k=1. Instead of a single column (28) corresponding to feature 0 target, I'd expect more to be added (3,6,8,9,10) as closest points to other inputs. So I have for each input its closest point and not the closest point of the first fetched feature which is neither the minimal distance between the layers.

History

#1 - 2019-02-22 10:10 AM - Giovanni Manghi

- Status changed from Open to Feedback

Did it worked as expected for example in 2.18?

#2 - 2019-02-22 10:18 AM - Harrissou Santanna

- Status changed from Feedback to Open

Never used it (came across this while documenting the algorithm). And don't have a 2.18 build anymore.

Files

distancematrix.png	42.6 KB	2019-02-22	Harrissou Santanna