

QGIS Application - Bug report #14669

Processing: Kriging rscripsts/Kriging_with_model_selection.rsx problem with solution

2016-04-12 09:06 AM - Martin Laloux

Status:	Rejected	
Priority:	Normal	
Assignee:	Victor Olaya	
Category:	Processing/Core	
Affected QGIS version:	2.14.0	Regression?: No
Operating System:		Easy fix?: No
Pull Request or Patch supplied:		Resolution: invalid
Crashes QGIS or corrupts data:		Copied to github as #: 22633
Description		
As in Kriging.rsx (Bug report #14608), I don't understand why you import here the libraries rgl, spatstat, maptools, pls unused (only gstats, automap and raster) The basic solution (with plotting of the variogram) is: <pre>#Basic statistics=group ##showplots ##Layer=vector ##Field=Field Layer ##Selection=Selection Exp;Log;Sph;Gau;Exc;Mat;Cir;Lin;Bes;Pen;Per;Wav;Hol;Leg;Ste ##by= number 0.1 ##Output=output raster library(gstat) library(automap) library(raster) Y<-as.factor(Layer[[Field]]) attribut<-as.data.frame(Y) A<-as.numeric(Y) for(j in (1:length(levels(Y)))) for(i in 1:dim(attribut)[1]){ if (attribut[i,1]==levels(Y)[j]){ A[i]=j } } coords<-coordinates(Layer) Mesure<- data.frame(LON=coords[,1], LAT=coords[,2], A) coordinates(Mesure)<-c("LON","LAT") Models<-c("Exp","Log","Sph","Gau","Exc","Mat","Cir","Lin","Bes","Pen","Per","Wav","Hol","Leg","Ste") Selection<-Selection+1 select_model<-Models[Selection] MinX<-min(coords[,1]) MinY<-min(coords[,2]) MaxX<-max(coords[,1]) MaxY<-max(coords[,2]) Seqx<-seq(MinX, MaxX, by=by) Seqy<-seq(MinY, MaxY, by=by) MSeqx<-rep(Seqx, length(Seqy)) MSeqy<-rep(Seqy, length(Seqx)) MSeqy <- sort(MSeqy, decreasing=F)</pre>		

```
Grille <- data.frame(X=MSeqx, Y=MSeqy)
coordinates(Grille)=c("X","Y")
gridded(Grille)<-TRUE
v<-autofitVariogram(A~1,Mesure,model = select_model)
plot(v)
prediction <-krige(formula=A~1, Mesure, Grille, model=v$var_model)
result<-raster(prediction)
proj4string(Layer)->crs
proj4string(result)<-crs
Output<-result
```

But you can use directly gstat for the variogram (as in

History

#1 - 2016-04-26 06:19 AM - Alexander Bruy

- Resolution set to invalid
- Status changed from Open to Rejected

This should be submitted against QGIS-Processing repository where corresponding script live.

#2 - 2017-05-01 10:58 AM - Giovanni Manghi

- Regression? set to No

#3 - 2017-05-01 11:01 AM - Giovanni Manghi

- Easy fix? set to No

#4 - 2017-05-01 11:04 AM - Giovanni Manghi

Some providers are being removed from QGIS/Processing (will be available as plugin) and so are their categories in the bug tracker. To not leave them orphaned of a category they are being reassigned to processing/core.

#5 - 2017-05-01 11:06 AM - Giovanni Manghi

- Category changed from 124 to Processing/Core