QGIS Application - Bug report #14608
Processing: Kriging rscripts/Kriging.rsx Automap problem and correction

2016-04-03 04:13 AM - Martin Laloux

Status:	Closed		
Priority:	Normal		
Assignee:	Victor Olaya		
Category:	Processing/Core		
Affected QGIS version:	2.14.0	**Regression?:**	No
Operating System:	Mac OS X	**Easy fix?:**	No
Pull Request or Patch supplied:	No	**Resolution:**	
Crashes QGIS or corrupts data:	No	**Copied to github as #:**	22574

Description

There is a problem with

```
kriging_result = autoKrige(A~1, Mesure, Grille,model=c("Cir","Lin","Bes","Wav","Hol","Leg","Per","Pen","Mat","Exc","Spl","Ste"))
  library(raster)
  result<-raster(prediction)
  Output<-result
```

1) prediction is not defined in the script
2) if prediction == kriging_result then **with automap**, you need prediction = raster(kriging_result$krige_output)

The solution is

```
library(raster)
  prediction raster(kriging_result$krige_output)
  Output<-prediction
```

History

#1 - 2016-04-03 06:13 AM - Martin Laloux

A script that works, without the not required package (gstats, rgl, ...)

```
##Basic statistics=group
##showplots
##Layer=vector
##Field=Field Layer
##by=number 0.1
##Output=output raster
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)
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)
Grille <- data.frame(X=MSeqx, Y=MSeqy)
coordinates(Grille)=c("X","Y")
gridded(Grille)<-TRUE
Mesure<- data.frame(LON=coords[,1], LAT=coords[,2],A)
coordinates(Mesure)<-c("LON","LAT")
variogram = autofitVariogram(A~1, Mesure)
plot(variogram)
kriging_result = autoKrige(A~1, Mesure, Grille,model=c("Cir","Lin","Bes","Wav","Hol","Leg","Per","Pen","Mat","Exc","Spl","Ste"))
prediction = raster(kriging_result$krige_output)
Output<-prediction
```

#2 - 2016-04-05 01:18 AM - Victor Olaya

- Status changed from Open to Closed

#3 - 2017-05-01 10:58 AM - Giovanni Manghi

- Regression? set to No

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

- Easy fix? set to No

#5 - 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.

#6 - 2017-05-01 11:06 AM - Giovanni Manghi

- Category changed from 124 to Processing/Core