concordance=TRUE

0.1 Checking for Multicollinearity

Before including all environmental factors in your analysis, you should check if two or even more variables are exact or highly correlated. The threshold for correlation coefficiant is 0.7 or higher. To create a correlation matrix, we first need to convert the spatial points data frame into a data frame.

```
xmpl.steps.df = as.data.frame(xmpl.steps.spdf)

## Error in as.data.frame(xmpl.steps.spdf):  object 'xmpl.steps.spdf' not found

attach(xmpl.steps.df)

## Error in attach(xmpl.steps.df):  object 'xmpl.steps.df' not found

Z = cbind(ruggedness,canopycover,disthighway,distroad,landcover)

## Error in cbind(ruggedness, canopycover, disthighway, distroad, landcover):  object 'ruggedness'
not found

cor(Z)

## Error in is.data.frame(x):  object 'Z' not found

pairs(Z, lower.panel=panel.smooth,
      upper.panel=panel.cor,diag.panel=panel.hist)

## Error in pairs(Z, lower.panel = panel.smooth, upper.panel = panel.cor, :  object 'Z'
not found
```