pXRF analysis

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## Title

Text

##   
## Attaching package: 'dplyr'

## The following objects are masked from 'package:stats':  
##   
## filter, lag

## The following objects are masked from 'package:base':  
##   
## intersect, setdiff, setequal, union

## corrplot 0.84 loaded

##   
## To cite package 'dplyr' in publications use:  
##   
## Hadley Wickham, Romain François, Lionel Henry and Kirill Müller  
## (2020). dplyr: A Grammar of Data Manipulation. R package version  
## 1.0.2. https://CRAN.R-project.org/package=dplyr  
##   
## A BibTeX entry for LaTeX users is  
##   
## @Manual{,  
## title = {dplyr: A Grammar of Data Manipulation},  
## author = {Hadley Wickham and Romain François and Lionel {  
## Henry} and Kirill Müller},  
## year = {2020},  
## note = {R package version 1.0.2},  
## url = {https://CRAN.R-project.org/package=dplyr},  
## }

##   
## To cite corrplot in publications use:  
##   
## Taiyun Wei and Viliam Simko (2017). R package "corrplot":  
## Visualization of a Correlation Matrix (Version 0.84). Available from  
## https://github.com/taiyun/corrplot  
##   
## A BibTeX entry for LaTeX users is  
##   
## @Manual{corrplot2017,  
## title = {R package "corrplot": Visualization of a Correlation Matrix},  
## author = {Taiyun Wei and Viliam Simko},  
## year = {2017},  
## note = {(Version 0.84)},  
## url = {https://github.com/taiyun/corrplot},  
## }

## MgO Al2O3 SiO2 P2O5   
## Min. :0.0000 Min. :0.0000 Min. :0.0000 Min. :0.00000   
## 1st Qu.:0.1450 1st Qu.:0.2409 1st Qu.:0.3815 1st Qu.:0.03905   
## Median :0.1991 Median :0.3858 Median :0.6060 Median :0.06975   
## Mean :0.2499 Mean :0.3998 Mean :0.5612 Mean :0.17392   
## 3rd Qu.:0.3330 3rd Qu.:0.5433 3rd Qu.:0.7495 3rd Qu.:0.22987   
## Max. :1.0000 Max. :1.0000 Max. :1.0000 Max. :1.00000   
## NA's :2 NA's :2   
## S Cl K2O CaO   
## Min. :0.00000 Min. :0.00000 Min. :0.0000 Min. :0.0000   
## 1st Qu.:0.00971 1st Qu.:0.04348 1st Qu.:0.3772 1st Qu.:0.0571   
## Median :0.07513 Median :0.07255 Median :0.4744 Median :0.1029   
## Mean :0.12287 Mean :0.12584 Mean :0.4855 Mean :0.2035   
## 3rd Qu.:0.12223 3rd Qu.:0.15139 3rd Qu.:0.6145 3rd Qu.:0.2918   
## Max. :1.00000 Max. :1.00000 Max. :1.0000 Max. :1.0000   
## NA's :107 NA's :1 NA's :22   
## Ti V Cr Mn   
## Min. :0.0000 Min. :0.00000 Min. :0.0000 Min. :0.0000   
## 1st Qu.:0.3940 1st Qu.:0.05372 1st Qu.:0.1102 1st Qu.:0.1581   
## Median :0.5049 Median :0.10331 Median :0.2373 Median :0.2276   
## Mean :0.4921 Mean :0.12423 Mean :0.3128 Mean :0.2426   
## 3rd Qu.:0.6258 3rd Qu.:0.16322 3rd Qu.:0.4576 3rd Qu.:0.3036   
## Max. :1.0000 Max. :1.00000 Max. :1.0000 Max. :1.0000   
## NA's :118 NA's :239   
## Fe Ni Cu Zn   
## Min. :0.0000 Min. :0.0000 Min. :0.00000 Min. :0.0000   
## 1st Qu.:0.2842 1st Qu.:0.1875 1st Qu.:0.06422 1st Qu.:0.1486   
## Median :0.4072 Median :0.2812 Median :0.09174 Median :0.2027   
## Mean :0.4265 Mean :0.3089 Mean :0.14378 Mean :0.2610   
## 3rd Qu.:0.5591 3rd Qu.:0.3750 3rd Qu.:0.21101 3rd Qu.:0.3108   
## Max. :1.0000 Max. :1.0000 Max. :1.00000 Max. :1.0000   
## NA's :38   
## As Rb Sr Y   
## Min. :0.0000 Min. :0.0000 Min. :0.00000 Min. :0.0000   
## 1st Qu.:0.0500 1st Qu.:0.3056 1st Qu.:0.02319 1st Qu.:0.2000   
## Median :0.1000 Median :0.3889 Median :0.03648 Median :0.2800   
## Mean :0.1277 Mean :0.3991 Mean :0.14996 Mean :0.3053   
## 3rd Qu.:0.1500 3rd Qu.:0.5000 3rd Qu.:0.17972 3rd Qu.:0.4000   
## Max. :1.0000 Max. :1.0000 Max. :1.00000 Max. :1.0000   
## NA's :110 NA's :15 NA's :56   
## Zr Nb Mo Ag   
## Min. :0.0000 Min. :0.0000 Min. :0.0000 Min. :0.00000   
## 1st Qu.:0.2587 1st Qu.:0.1818 1st Qu.:0.0000 1st Qu.:0.09524   
## Median :0.3731 Median :0.2727 Median :0.1429 Median :0.19048   
## Mean :0.3953 Mean :0.3196 Mean :0.2024 Mean :0.27646   
## 3rd Qu.:0.5029 3rd Qu.:0.4091 3rd Qu.:0.2857 3rd Qu.:0.42857   
## Max. :1.0000 Max. :1.0000 Max. :1.0000 Max. :1.00000   
## NA's :115 NA's :238 NA's :238   
## Sn Ba La Ta   
## Min. :0.00000 Min. :0.0000 Min. :0.0000 Min. :0.0000   
## 1st Qu.:0.09239 1st Qu.:0.1470 1st Qu.:0.1250 1st Qu.:0.5000   
## Median :0.20652 Median :0.1985 Median :0.2083 Median :0.5000   
## Mean :0.30590 Mean :0.2658 Mean :0.3571 Mean :0.5556   
## 3rd Qu.:0.37500 3rd Qu.:0.3080 3rd Qu.:0.4524 3rd Qu.:0.5000   
## Max. :1.00000 Max. :1.0000 Max. :1.0000 Max. :1.0000   
## NA's :267 NA's :195 NA's :269 NA's :265   
## Pb Bi   
## Min. :0.00000 Min. :0.00   
## 1st Qu.:0.08613 1st Qu.:0.25   
## Median :0.42857 Median :0.50   
## Mean :0.42399 Mean :0.50   
## 3rd Qu.:0.73950 3rd Qu.:0.75   
## Max. :1.00000 Max. :1.00   
## NA's :252 NA's :272

