

Costa Rica Glass

Julie M. Coulombe

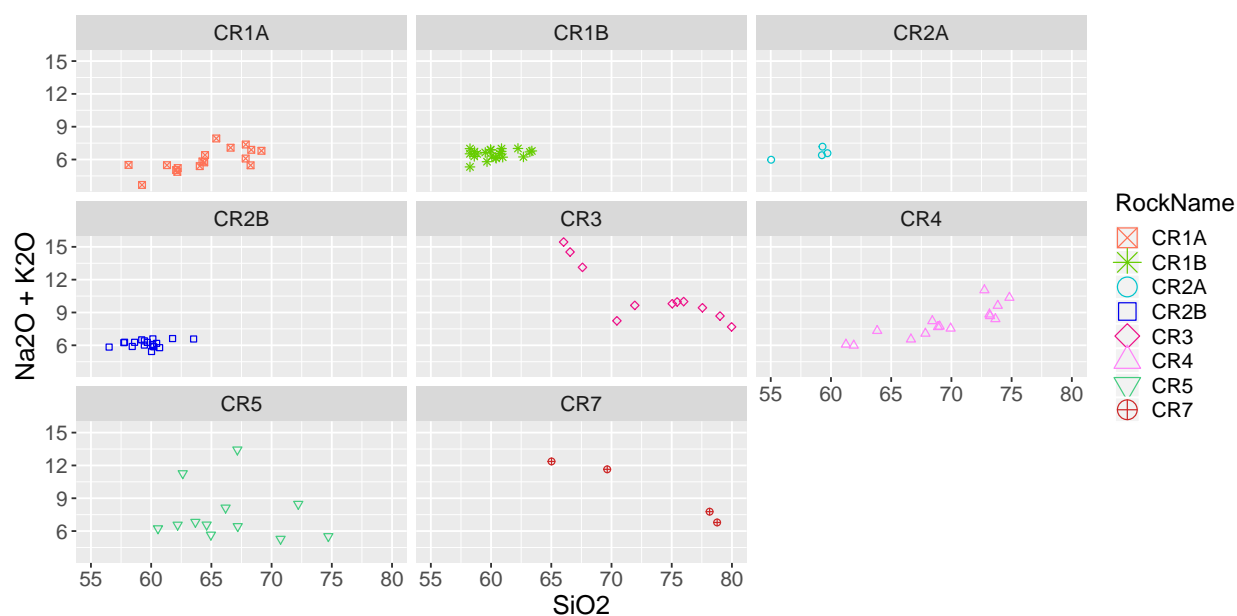
2/25/2020

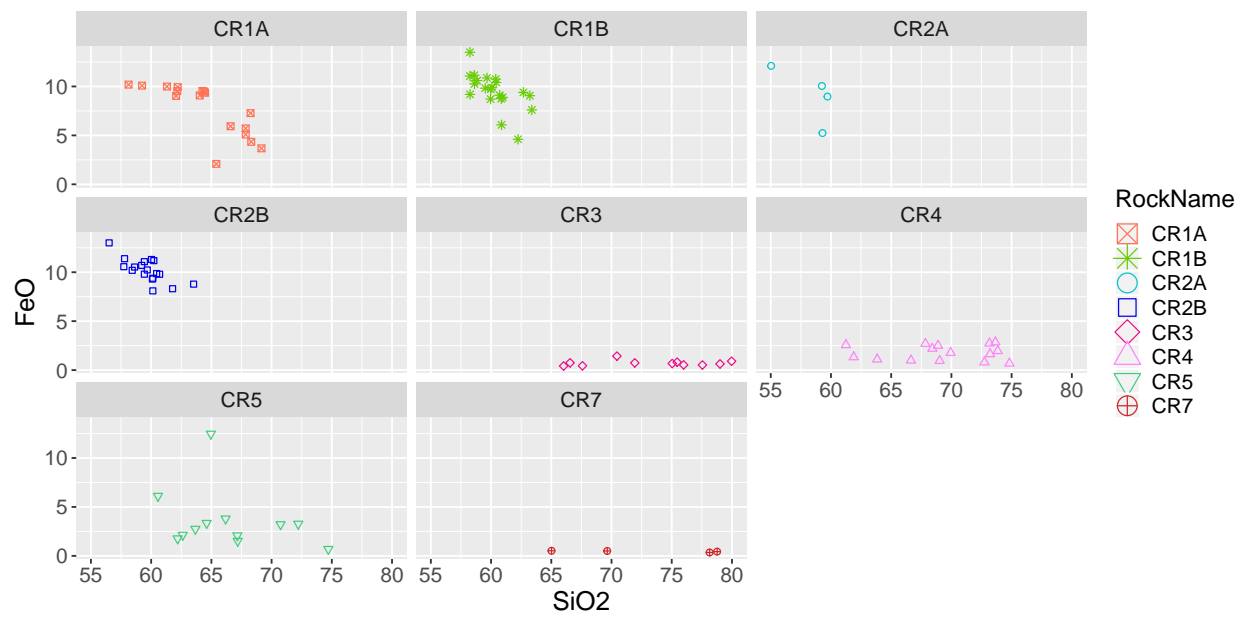
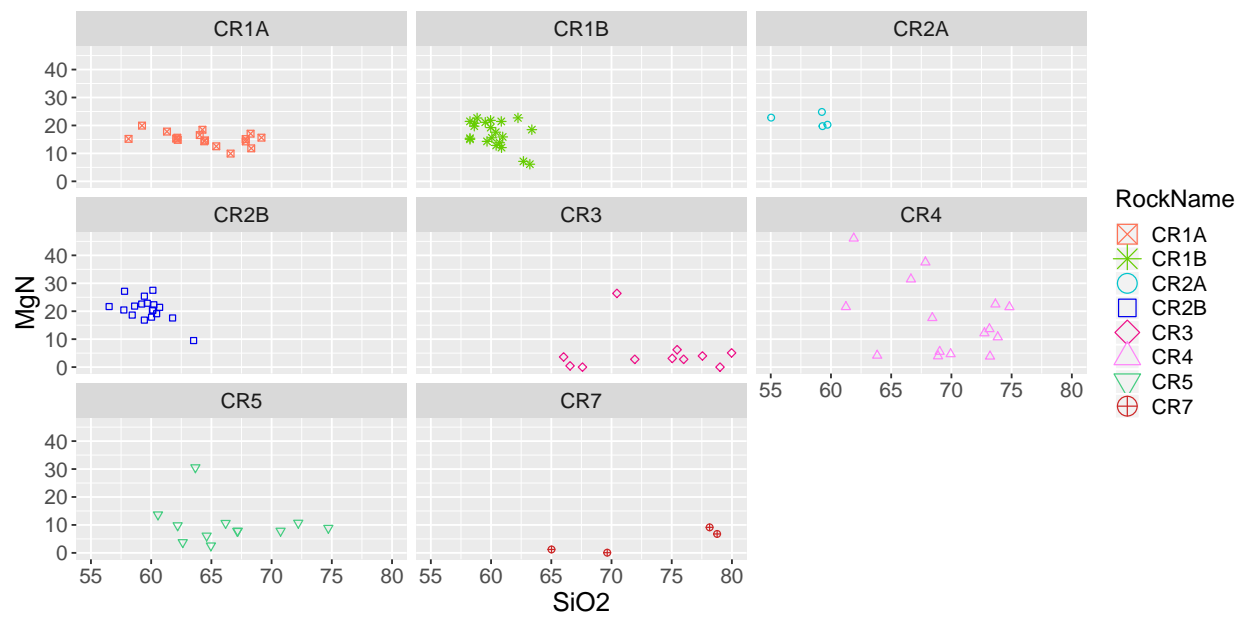
Create a new column to sort by bulk rocks into a column for Rockname

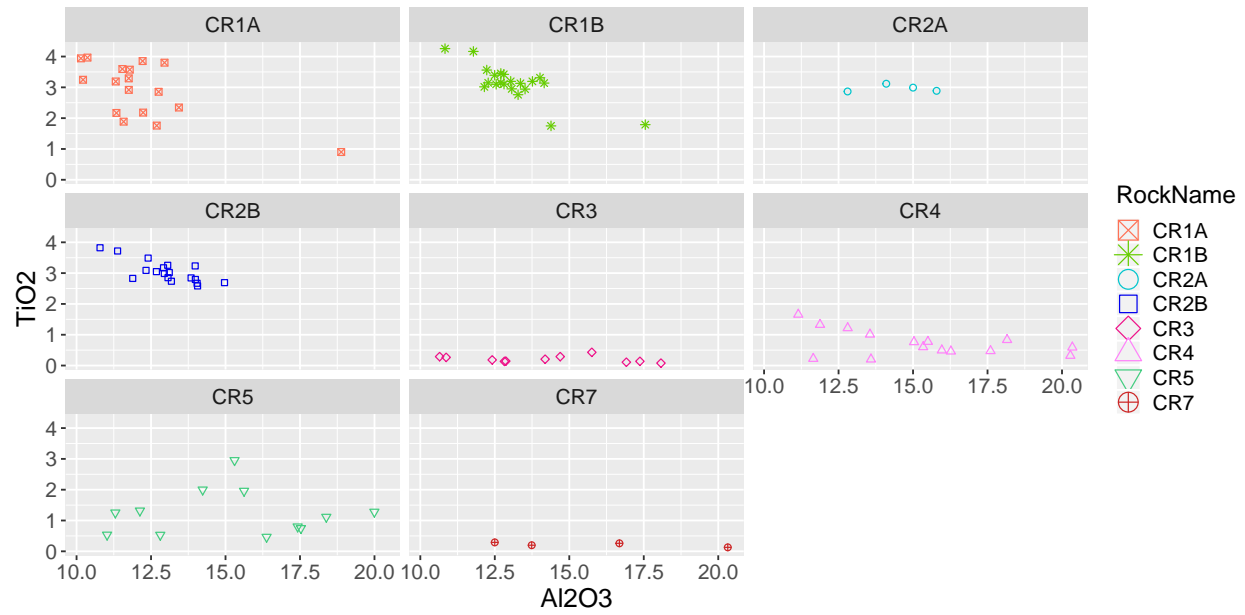
Use the below chunk to filter for analysis constraints

```
rock_data[rock_data == ""] <- NA

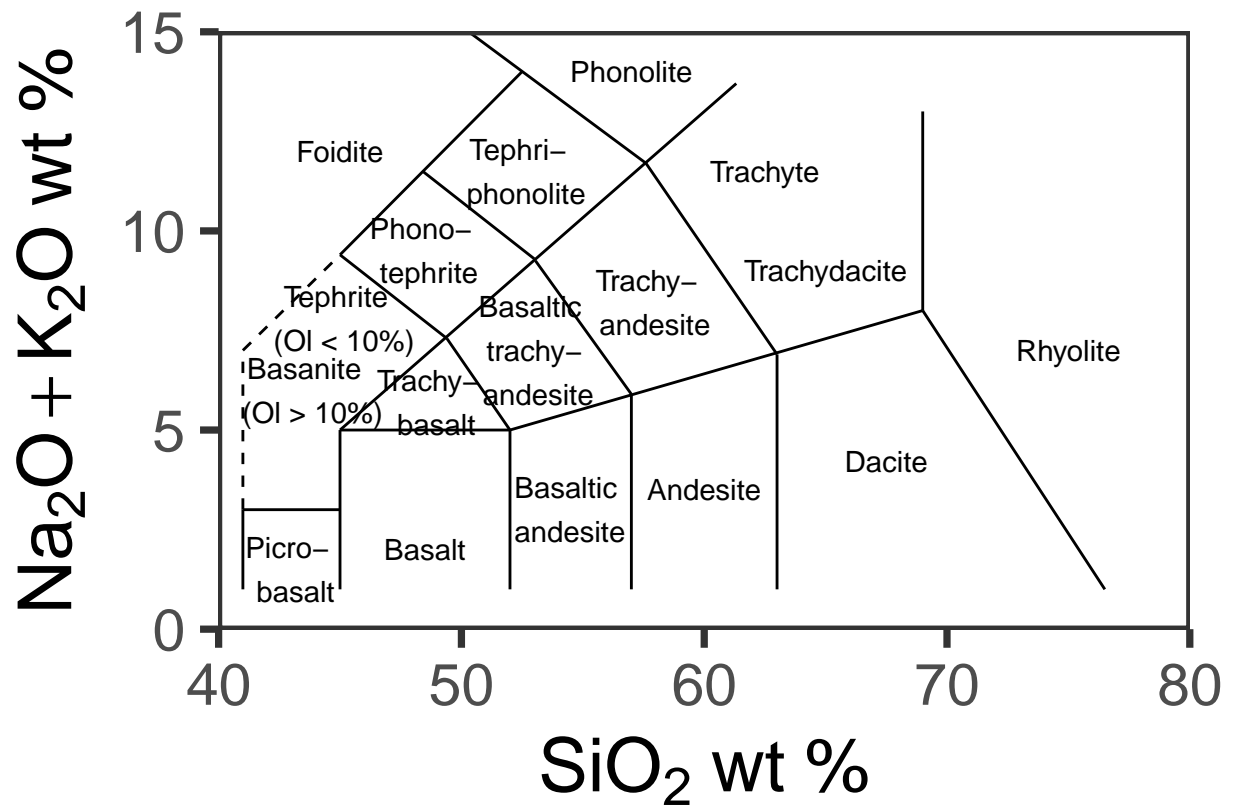
rock_data_wt <- rock_data %>%
  select("RockName":"Total", "MgN") %>% #choose relevant columns
  filter(Total > 95.0 & Total < 101.0) %>% #select rows based on Total
  filter(is.na(V203) & SiO2 < 90.0 & Al2O3 < 22.0 & Al2O3 > 10 & K2O > 1.0) #select rows based on elements
```

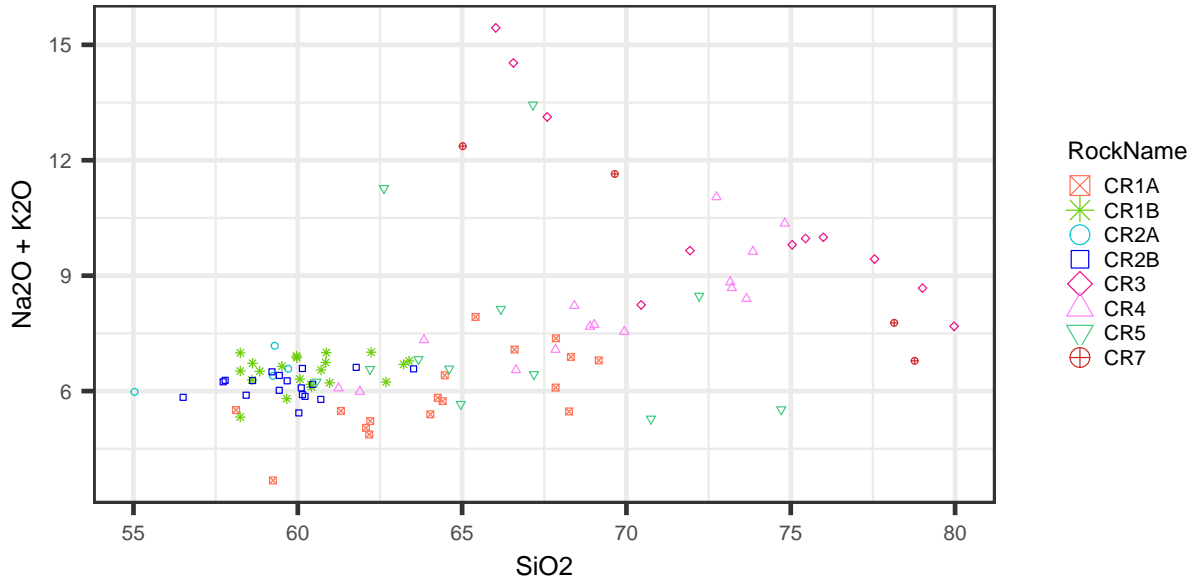




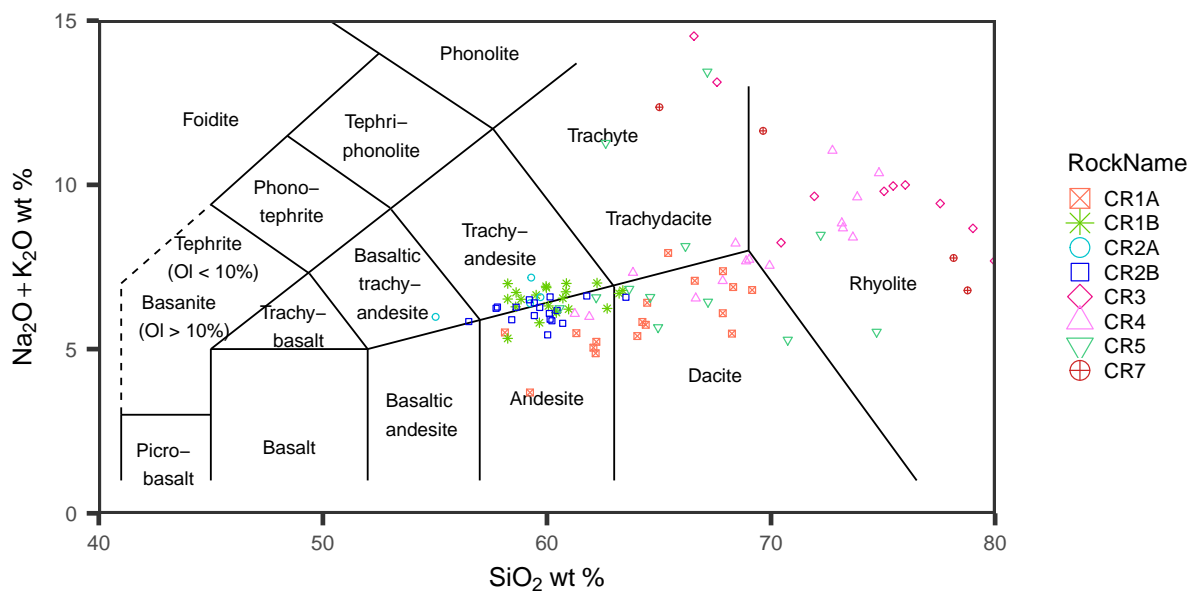


#Create a TAS Diagram as a background layer





Warning: Removed 1 rows containing missing values (geom_point).



#Now to look at plots of all rocks together

