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| --- | --- | --- |
| **Variable Types** | **Chart** | **Commands** |
| 2 categorical |  | barplot(vec$datatable, beside = TRUE, \  xlab = "Additional Che  mo Therapy",  ylab = "Counts",  col = c(1,2,3,4))  legend(x = "topleft",  legend = rownames(vec$  datatable),  title = "Platinum Stat  us",  col = c(1,2,3,4),  pch = 15) |
| 3 categorical |  | par(mfrow = c(1,2))  data = data.frame(meta1, meta2, meta3)  NO = data[data$meta2 == 'NO',]  YES = data[data$meta2 == 'YES',]  bar1table = table(NO$meta1, NO$meta3)  barplot(bar1table,  beside = TRUE,  main = "Additional Che  mo Therapy = NO",  col = c(1,2,3,4))  bar2table = table(YES$meta1, YES$meta2)  barplot(bar2table,  beside = TRUE,  main = "Additional Che  mo Therapy = YES",  col = c(1,2,3,4))  legend(x = "topleft", legend = rownames(bar1  table),  title = "Platinum Stat  us",  col = c(1,2,3,4),  pch = 15) |
| 1 continuous  1 categorical |  | boxplot(meta1 ~ meta2, ylab = "Platinum Free  Interval") |
| 1 continuous  2 categorical |  | boxplot(meta1 ~ meta2  + meta3) |
| 2 continuous |  | plot(meta1, meta2, xlab = “age at initial diagnosis”, ylab = “Platinum Free Interval”)  fit = lm(meta2 ~ meta1)  abline(fit) |
| 2 continuous  1 categorical |  | data = data.frame(meta  1, meta2, meta3)  NOdata = data[data$met  a3 == 'NO',]  YESdata = data[data$me  ta3 == 'YES',]  NOfit = lm(NOdata$meta  1 ~ NOdata$meta2)  YESfit = lm(YESdata$me  ta1 ~ YESdata$meta2)  plot(meta2, meta1,  col= c(1,2),  ylab = "age at initial  diagnosis",  xlab = "platinum free  interval")  legend(x = "topright", legend = levels(as.factor(meta3)),  col = c(1,2),  title = "Additional Ch  emo Therapy",  pch = 15)  abline(NOfit,  col = "black")  abline(YESfit,  col = "red") |
| 1 time to event  1 categorical |  | fit = survfit(Surv(tim  e = time,  event = event,  type = "right") ~ meta  2)  plot(fit,  col = c(1,2,3,4),  xlab = "numer of days",  main = "Survival by Pl  atinum Status")  legend(x = "topright",  legend = levels(as.fac  tor(meta2)),  title = "Platinum Stat  us",  col = c(1,2,3,4),  pch = 15) |
| 1 time to event  2 categorical  \*\* unknown if there is a statistical test for this\*\* |  | par(mfrow = c(1,2))  data = data.frame(time  , event, meta2, meta  3)  NO = data[data$meta3 =  = "NO",]  YES = data[data$meta3  == "YES",]  NOfit = survfit(Surv(  time = NO$time,  event = NO$event,  type = "right")  ~ NO$meta2)  plot(NOfit,  col = c(1,2,3,4),  xlab = "number of days  ",  main = "No additional  chemo therapy")  YESfit = survfit(Surv(time = YES$time,  event = YES$event,  type = "right")  ~ YES$meta2)  plot(YESfit,  col = c(1,2,3,4),  xlab = "number of days  ",  main = "Yes additional  chemo therapy")  legend(x = "topright", legend = levels(as.fac  tor(meta2)),  title = "Platinum Stat  us",  col = c(1,2,3,4),  pch = 15) |