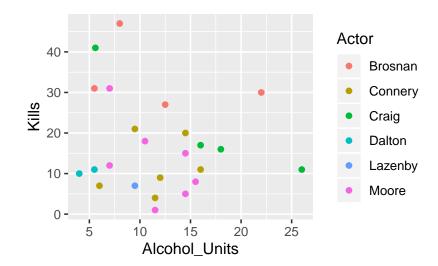
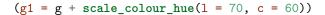
## Advanced layouts

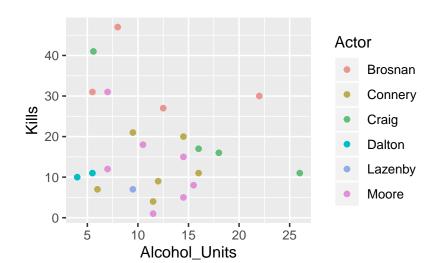
Jumping Rivers

```
Set up
```

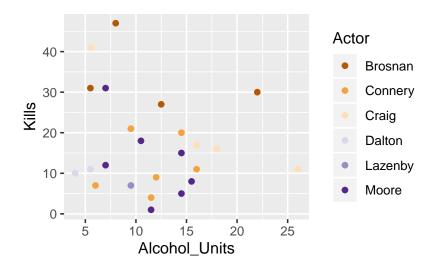
```
library("ggplot2")
data(bond, package = "jrGgplot2")
(g = ggplot(data = bond, aes(x = Alcohol_Units, y = Kills)) +
  geom_point(aes(colour = Actor)))
```





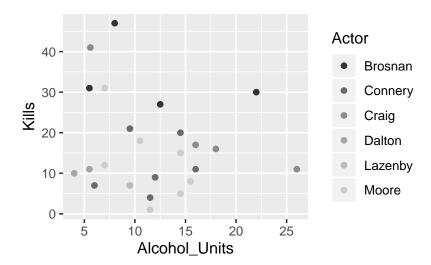


```
(g2 = g + scale_colour_brewer(palette = "PuOr", type = "div"))
```



```
# Colours for amusement rather than clarity
(g3 = g + scale_colour_manual(values = c(
    "Brosnan" = rgb(192, 192, 192, maxColorValue = 255), #silver
    "Connery" = "Gold",
    "Craig" = rgb(205, 127, 50, maxColorValue = 255), #Bronze
    "Dalton" = "tomato1",
    "Lazenby" = "tomato2",
    "Moore" = "tomato3")))
                                                 Actor
      40 -
                                                      Brosnan
                                                      Connery
      30 -
                                                      Craig
     20 -
                                                      Dalton
                                                      Lazenby
      10 -
                                                      Moore
       0 -
                                  20
                                         25
                          15
            5
                   10
                    Alcohol_Units
```

(g4 = g + scale\_colour\_grey())



## More advanced layouts

We have to create our own function. Well, we don't "have" to but it makes life easier further down the line.

```
library("grid")
vplayout = function(x, y)
  viewport(layout.pos.row = x, layout.pos.col = y)
  Now we can use our vplayout() function to create custom layouts.
grid.newpage()
pushViewport(viewport(layout = grid.layout(2, 2)))
print(g1, vp = vplayout(1, 1:2))
print(g2, vp = vplayout(2, 1))
print(g3, vp = vplayout(2, 2))
                                                         Connery
      40 -
   <u>$</u> 30 -
                                                         Craig
       10 -
                                                         Dalton
       0 -
                                            25
                                    20
             5
                    Actor
                                                    Actor
                                 nits
                         Brosnan
                                                         Brosnan
                         Connery
                                                         Connery
                                       40
                                    <u>ഗ</u> 30
                         Craig
                                                         Craig
                         Dalton
                                                         Dalton
          510225
                         Lazenby
                                          510225
                                                         Lazenby
     Alcohol_Uni
                                      Alcohol_Uni
```

Moore

Moore