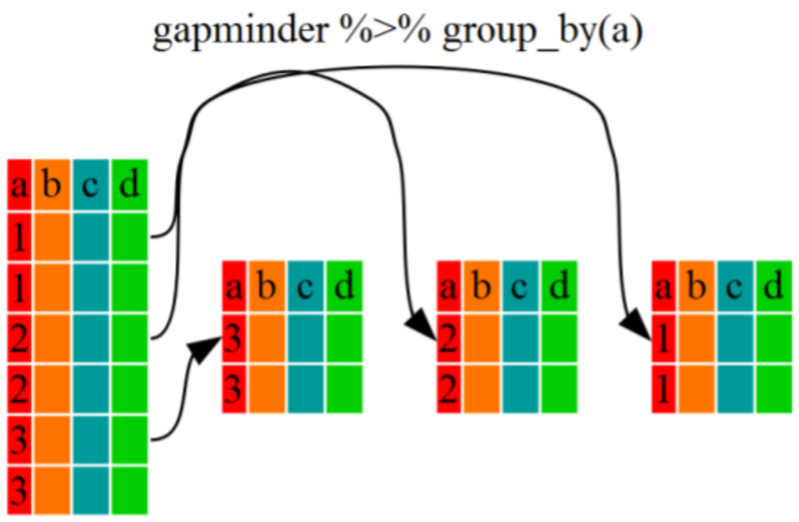
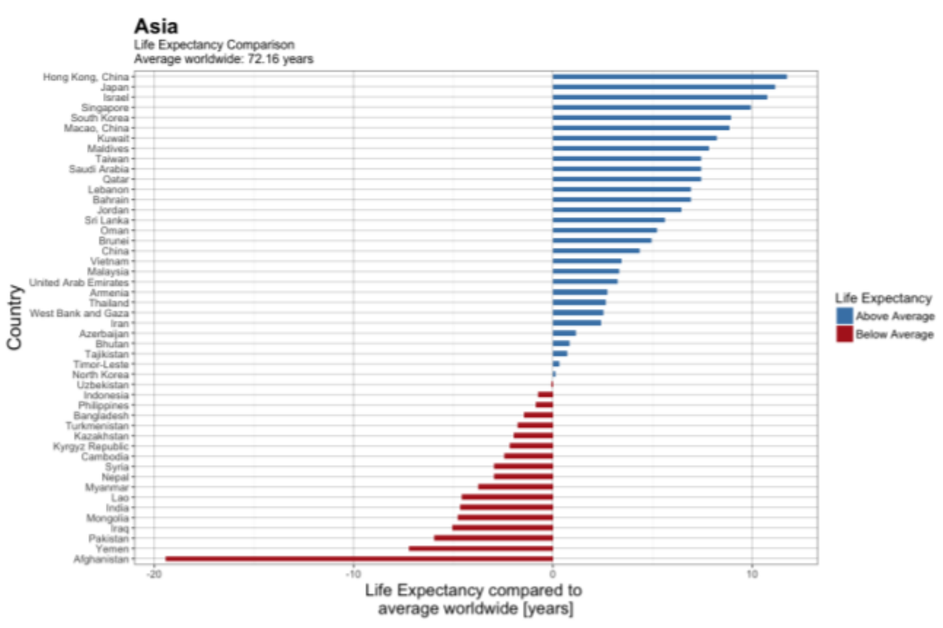
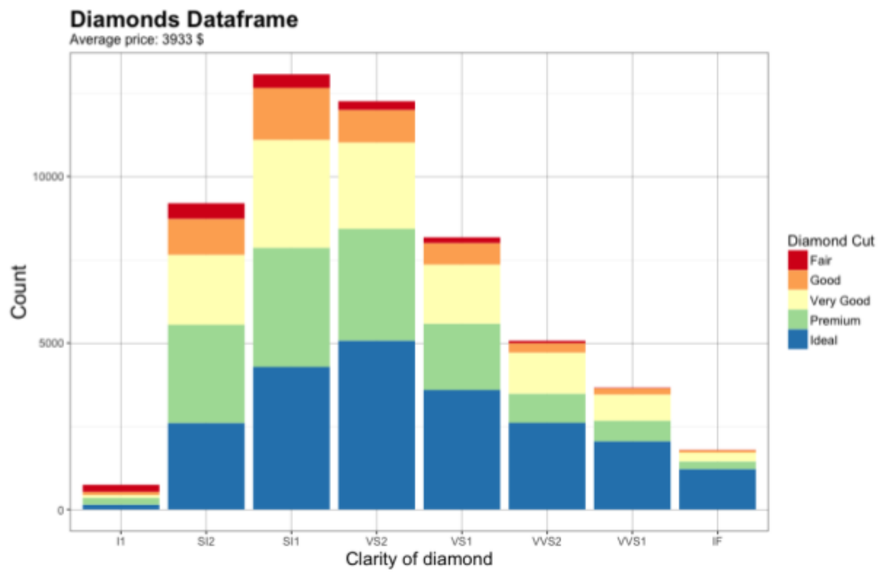
Intermediate to Advanced Programming in R

1 day | Prerequisites (see below) | At your campus | $ No cost to members




```
ggplot(diamonds, aes(clarity)) +
  scale_fill_brewer(palette = "Spectral", name="Diamond Cut") +
  theme_bw() +
  geom_bar(aes(fill=cut),
           color="black",
           size=.0) +
  theme(legend.position="right",
        panel.grid.major = element_line(colour = "black", size=0.1),
        panel.grid.minor = element_line(colour = "gray", size=0.05),
        panel.background = element_rect(fill='white'),
        plot.title=element_text(size=20,face="bold"),
```





Why do this course?

R is quickly gaining popularity as a programming language for statisticians, data scientists and researchers. It has an excellent ecosystem including the powerful RStudio and the Shiny web application framework.

We teach using RStudio, which allows program code, results, visualisations and documentation to be blended seamlessly.

Join us for this live coding workshop where we write programs that produce results, using the researcher-focused training modules from the highly regarded Software Carpentry Foundation (http://www.datacarpentry.org/).

You'll learn:

- Advanced programming concepts and techniques in R.
- Dataframe manipulation in R using the dplyr and tidyr packages.
- Visualisation in R using the ggplot2 package.
- Best practices for writing code in R using RStudio.

Prerequisites

A good knowledge of the basic concepts and techniques in R. Consider taking our **Introduction to Programming in R** course to come up to speed beforehand.

The Intersect approach to training

At Intersect, we work closely with our member universities to develop and deliver training that targets the day-to-day software and technology problems that researchers face. We deliver hands-on courses in a relaxed setting with knowledgeable, helpful trainers who are themselves researchers and who know how researchers work.

Questions always welcome.

For more information visit
Learn.intersect.org.au

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