

Exporting Files (v2.0)

# Know your file types:

|  |  |
| --- | --- |
| Vector File Types | Bitmap File Types |
| .svg | .png |
| .eps | .jpg / .jpeg |
| .pdf | .gif |
| .ai | .bmp |
|  | .tif / .tiff |

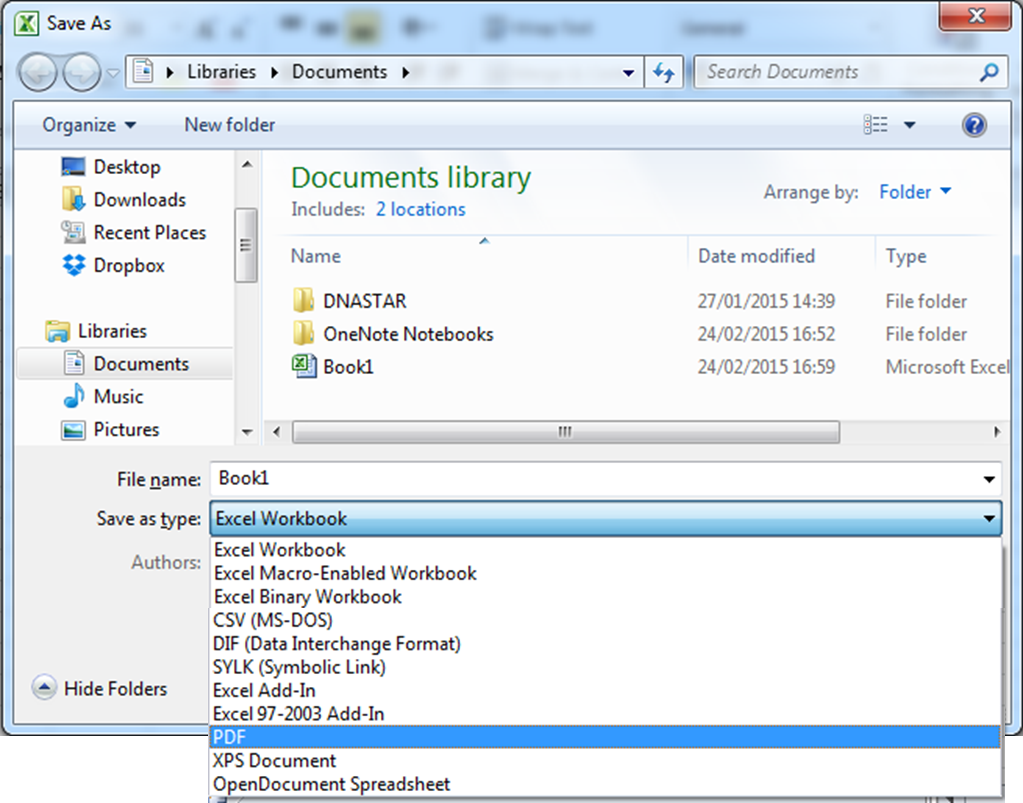
**Choosing between vectors and bitmaps**

Broadly speaking, vectors should be used for anything that has been generated by a computer – typically graphs, illustrations and text. Figure components that have been generated by a camera such as microscopy images or blot photos should be kept as bitmaps.

Vectors have another trick up their sleeve too – bitmap images can be *embedded within* a vector image. This is how all publication figures should be created: vector graphics for assembly and annotation of figure panels with any bitmap images embedded within.

**Exporting vector files from common programs**

**Excel**  - Move/copy your plot to its own worksheet, then File > Save As and choose PDF file format



**R / RStudio** – Plots can be saved as SVG files

**R:**

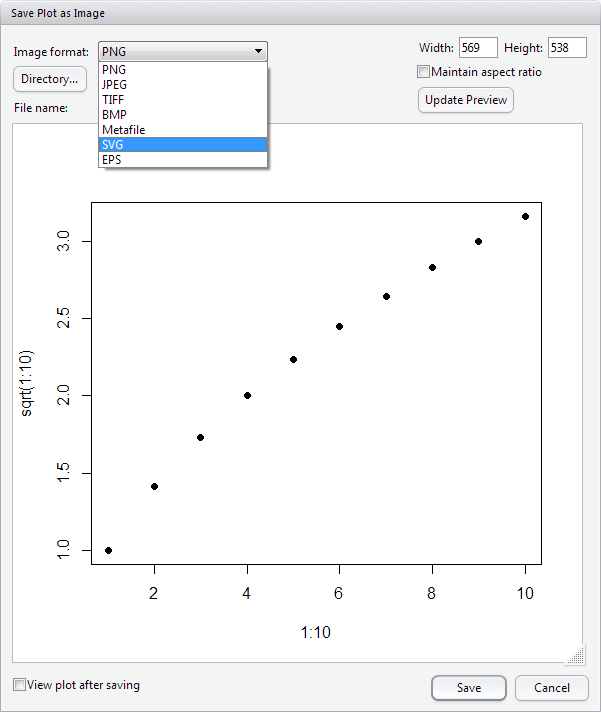
setwd("D:/")

svg(filename = "my\_plot.svg",width=5,height=5)

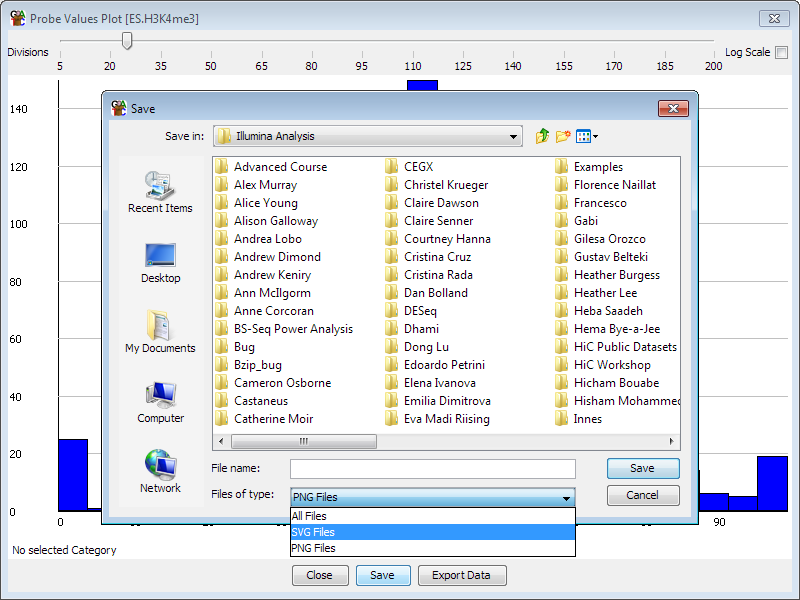
plot(1:10,sqrt(1:10),pch=19)

dev.off()

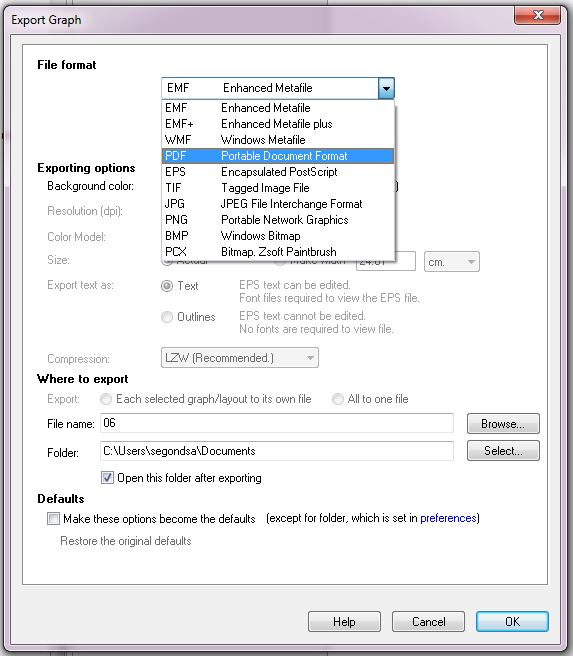
**RStudio:**



**SeqMonk** – Choose SVG as the File Format when saving plots



**GraphPad Prism** – File > Export As, and choose PDF as the File Format



**FlowJo** -Choose SVG as the File Format when saving plots

