R

2022-05-03

Contents

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Chapter 1

R   . PDF, HTML,
 ,   . (Grammar of Graphics)   `ggplot`
 (font)   (IDE)
                      .

R   (font)   . `ggplot`   `extrafont` `showtext`
             R   (`.R`) R   (`.Rmd`)   .
                      .   `extrafont`   `font_import()`   R
      .   `loadfonts()`   `ggplot`   .   `showtext`
      .

1.1 R

        R   .   R   . `consolas`
      .   `consolas`   SIL   Inconsolata R   . , R
      R   .

-
- D2 Coding

"   " "D2 Coding   "   RStudio IDE   "Tools" → "Global Options…"
  "Options"   `Appearance` **Editor font:**   **Editor theme:**   .

1.2 `ggplot`

`extrafont`   `font_import()`   (/)   R   .   `loadfonts()`
             .

7

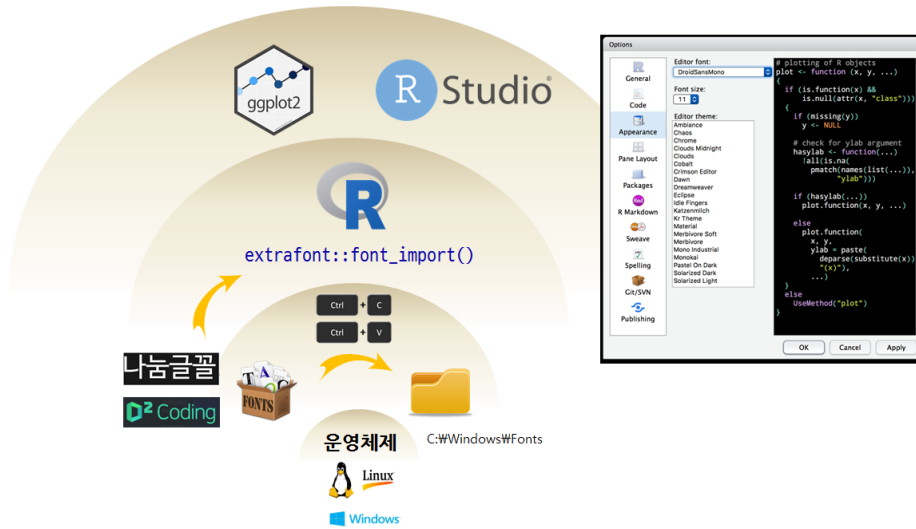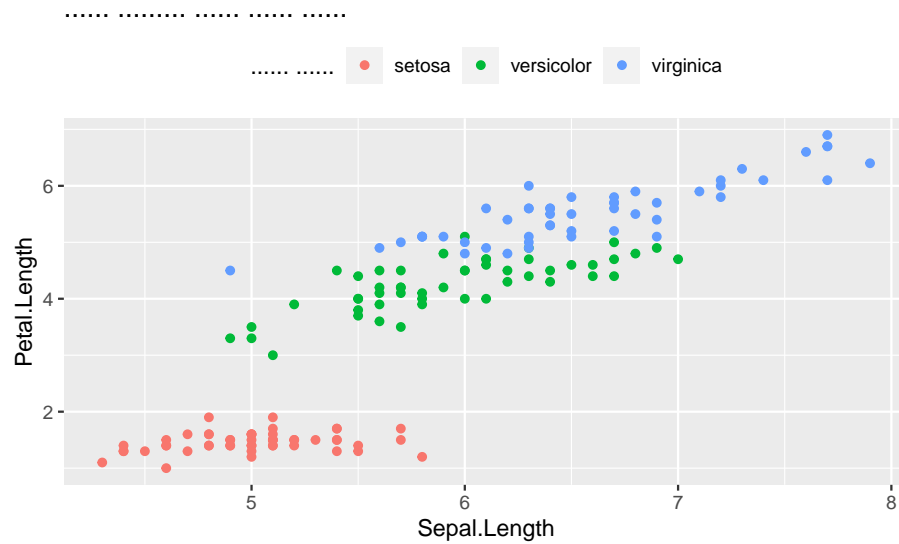Figure 1.1: R   /

1.2.1 ggplot

extrafont   loadfonts()   ggplot   . R   iris
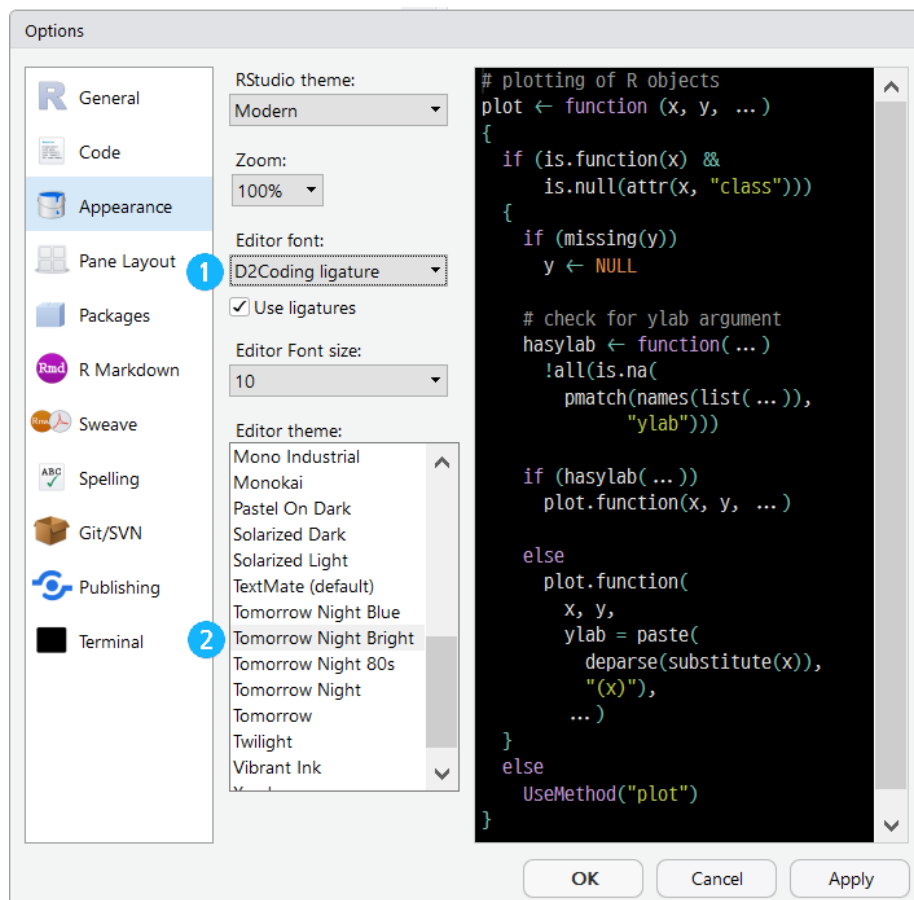"Nanum Pen Script"   .

Figure 1.2: D2

1.3 `showtext` [1]

extrafont   , extrafont   (`.ttf`) PDF   . ,
          PDF   .

   showtext   `Ghostscript`   ( )   . showtext   R   ,
   (TrueType, OpenType, Type 1, web fonts)   .

   PDF   .
                   .

Figure 1.3: `showtext`

            R   `text()`   showtext   showtext   `text()`
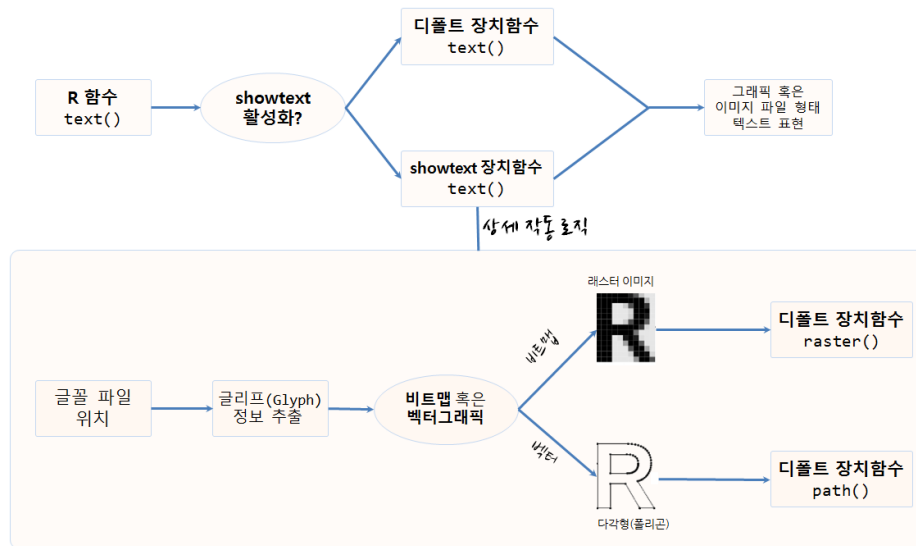   `text()`   .
                   (glyph)   ,   `raster()`   ,
`path()`   .

1.3.1 R

extrafont   `loadfonts()`   `.ttf`   .   .
          3   .

1.3.2 ggplot

                  showtext   . ggplot   showtext   .

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[1]showtext: Using Fonts More Easily in R Graphs

1. .
2.
3. showtext .
4. .
5. .

1.4

.ttf ggplot R . showtext extrafont
extrafont ggplot showtext
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