

Bug in extrafont/ggplot2/knitR

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Load packages and define theme

```
options(stringsAsFactors=FALSE)
library(ggplot2)
library(grid)

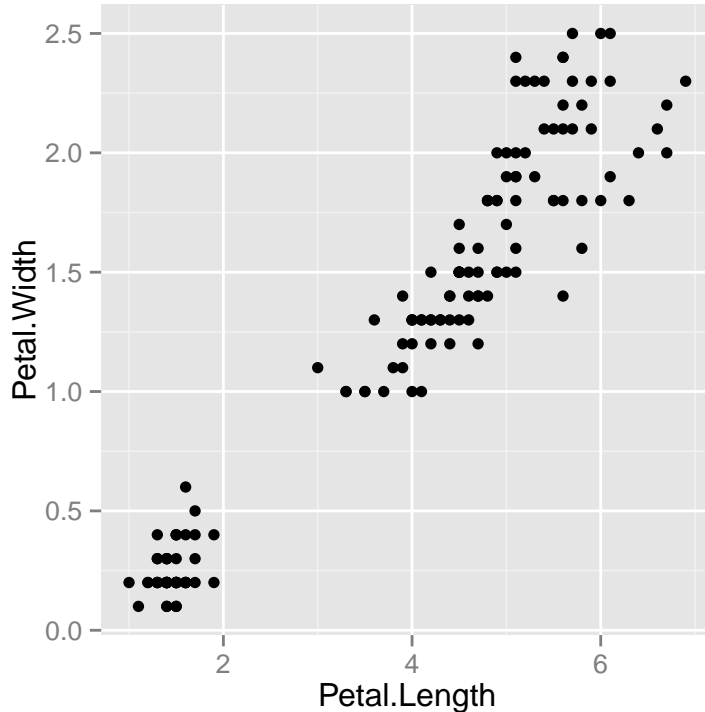
library(extrafont)

## Registering fonts with R
loadfonts()

theme_test_font <- function(base_size=9) theme_minimal(base_size=base_size,base_family="Arial")
```

This plot prints just fine in R and in knitR:

```
qplot(data=iris,x=Petal.Length,y=Petal.Width)
```



With font family set to Arial, the same plot prints fine in R, but crashes in knitR if eval==TRUE. That's the bug.

```
qplot(data=iris,x=Petal.Length,y=Petal.Width) + theme_test_font()
```

The error is:

Quitting from lines 35-36 (Test_Font_Problem.Rnw)

```
Error in grid.Call.graphics(L_text, as.graphicsAnnot(x$label), x$x, x$y, :  
  invalid font type
```

```
Calls: knit ... drawDetails -> drawDetails.text -> grid.Call.graphics
```

My setup:

```
R.Version()  
## $platform  
## [1] "x86_64-apple-darwin13.4.0"  
##  
## $arch  
## [1] "x86_64"  
##  
## $os  
## [1] "darwin13.4.0"  
##  
## $system  
## [1] "x86_64, darwin13.4.0"  
##  
## $status  
## [1] ""  
##  
## $major  
## [1] "3"  
##  
## $minor  
## [1] "2.0"  
##  
## $year  
## [1] "2015"  
##  
## $month  
## [1] "04"  
##  
## $day  
## [1] "16"  
##  
## $`svn rev`  
## [1] "68180"  
##  
## $language  
## [1] "R"  
##  
## $version.string  
## [1] "R version 3.2.0 (2015-04-16)"  
##  
## $nickname  
## [1] "Full of Ingredients"  
  
packageVersion("ggplot2")  
## [1] '1.0.1'  
  
packageVersion("knitr")  
## [1] '1.9'  
  
packageVersion("extrafont")  
## [1] '0.17'  
  
packageVersion("grid")  
## [1] '3.2.0'
```