Now it's time to use customed fonts!!!

GYH

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Display:

First, we will test on LATEX: $\Sigma_{k=1}^n k^2$, $\iint_{\mathbb{R}^2} \frac{x}{y} d\omega$. It seems perfect!

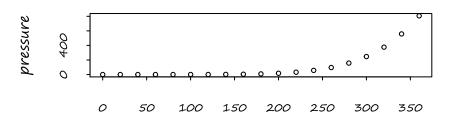
$$\sum_{n=1}^{\infty} 2^{-n} = 1$$

Plots:

Then, let us check several key points:

(a) r-base plot

r-base plot

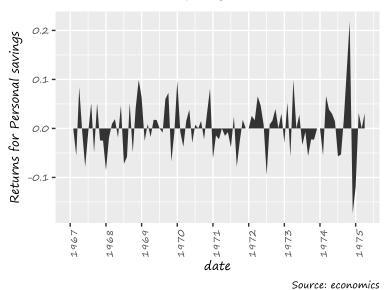


You can change the font now!

(b) ggplot2

```
library(ggplot2)
library(quantmod)
data("economics", package = "ggplot2")
economics$returns_perc <- c(0, diff(economics$psavert)/
economics$psavert[-length(economics$psavert)])
brks <- economics$date[seq(1, length(economics$date), 12)]</pre>
lbls <- lubridate::year(economics$date[seq(1,</pre>
length(economics$date), 12)])
ggplot(economics[1:100, ], aes(date, returns_perc)) +
    geom_area() +
    scale_x_date(breaks=brks, labels=lbls) +
    theme(axis.text.x = element_text(angle=90)) +
    labs(title="Area Chart",
    y="Returns for Personal savings",
    caption="Source: economics")+
    theme(plot.title = element_text(hjust = 0.5))+
    theme(text=element_text(family="SegoePrint",size=9))
```

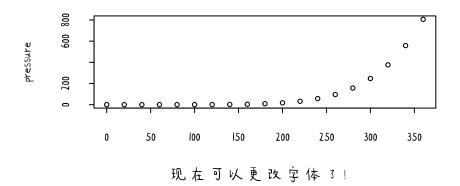
Area Chart



(c) r-base plot with chinese

```
font_add('Seafood', 'Seafood.ttf')
plot(pressure,xlab='现在可以更改字体了! ',family='Seafood',tck=-0.05
,main='基础包作图'
,cex=0.6,cex.main=1.3
,cex.lab=1.2,cex.axis=1.05)
```

基础包作图



(d) ggplot2 with chinese

```
library(quantmod)
ggplot(economics[1:100,], aes(date, returns_perc)) +
    geom_area() +
    scale_x_date(breaks=brks, labels=lbls) +
    theme(axis.text.x = element_text(angle=90)) +
    labs(title="分区图",
    y=" 个人储蓄的回报",
    caption="来源: Economics")+
    theme(plot.title = element_text(hjust = 0.5))+
    theme(text=element_text(family="Seafood",size=13))
```

