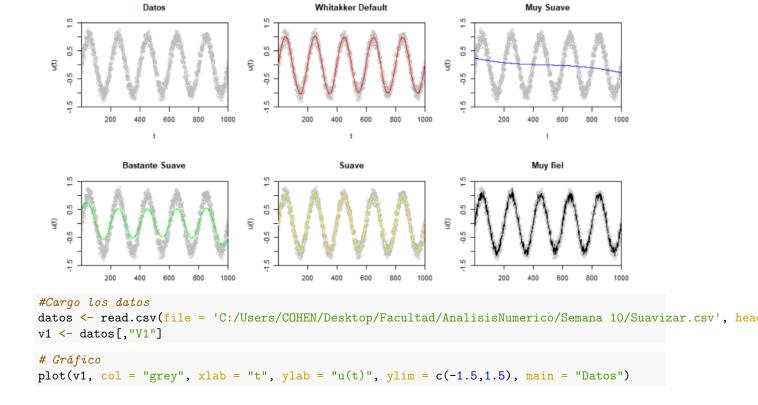
Whitakker Henderson

Uriel Paluch

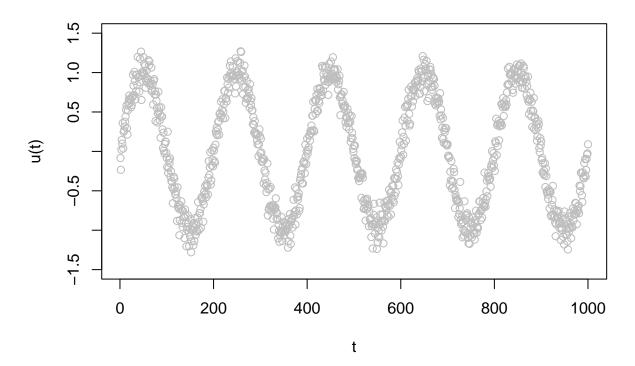
26/10/2021

Ejercicio

Genere el código necesario para generar los gráficos de la imagen siguiente



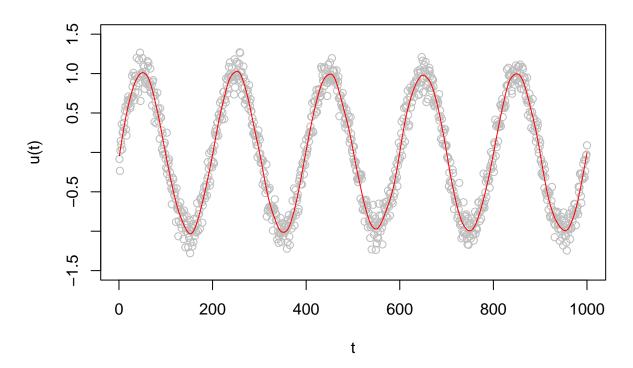
Datos



```
# Suavizo default
y_default <- whittaker(v1)

# Gráfico
# Hay que agregar los corchetes para que ande
# Fuente: https://stackoverflow.com/questions/40938561/plot-new-has-not-been-called-yet-error-in-rmarkd
{plot(v1, col = "grey", xlab = "t", ylab = "u(t)", ylim = c(-1.5,1.5), main = "Whitakker Default")
lines(y_default, col = "red")}</pre>
```

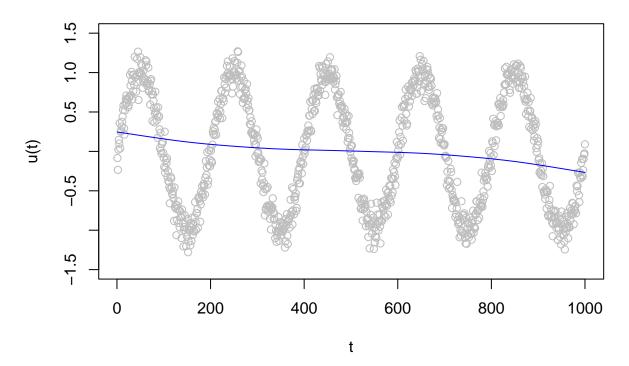
Whitakker Default



```
# Suavizo mucho
y_muySuave <- whittaker(v1, lambda = 10^9, d = 2)

# Gráfico
# Hay que agregar los corchetes para que ande
# Fuente: https://stackoverflow.com/questions/40938561/plot-new-has-not-been-called-yet-error-in-rmarkd
{plot(v1, col = "grey", xlab = "t", ylab = "u(t)", ylim = c(-1.5,1.5), main = "Muy Suave")
lines(y_muySuave, col = "blue")}</pre>
```

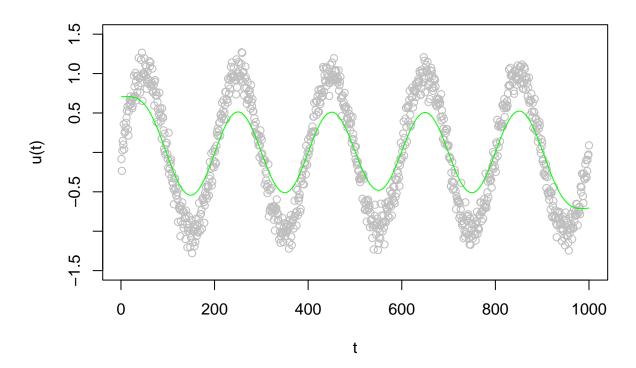
Muy Suave



```
# Suavizo bastante
y_bastanteSuave <- whittaker(v1, lambda = 10^6, d = 2)

# Gráfico
# Hay que agregar los corchetes para que ande
# Fuente: https://stackoverflow.com/questions/40938561/plot-new-has-not-been-called-yet-error-in-rmarkd
{plot(v1, col = "grey", xlab = "t", ylab = "u(t)", ylim = c(-1.5,1.5), main = "Bastante Suave")
lines(y_bastanteSuave, col = "green")}</pre>
```

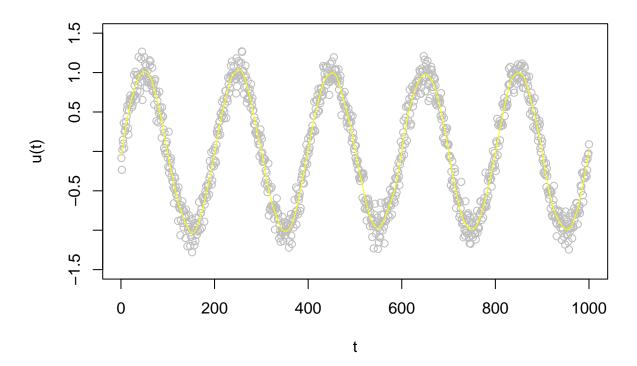
Bastante Suave



```
# Suave
y_suave <- whittaker(v1, lambda = 10^3, d = 2)

# Gráfico
# Hay que agregar los corchetes para que ande
# Fuente: https://stackoverflow.com/questions/40938561/plot-new-has-not-been-called-yet-error-in-rmarkd
{plot(v1, col = "grey", xlab = "t", ylab = "u(t)", ylim = c(-1.5,1.5), main = "Suave")
lines(y_suave, col = "yellow")}</pre>
```

Suave



```
# Muy fiel
y_muyFiel <- whittaker(v1, lambda = 0, d = 2)

# Gráfico
# Hay que agregar los corchetes para que ande
# Fuente: https://stackoverflow.com/questions/40938561/plot-new-has-not-been-called-yet-error-in-rmarkd
{plot(v1, col = "grey", xlab = "t", ylab = "u(t)", ylim = c(-1.5,1.5), main = "Muy fiel")
lines(y_muyFiel, col = "black")}</pre>
```

Muy fiel

