nonlinear plot

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```r
knitr::opts_chunk$set(echo = F)
rm(list=ls())
library('knitr')
```

```
## Warning: package 'knitr' was built under R version 3.5.2
```

```r
library('kableExtra')
```

```
## Warning: package 'kableExtra' was built under R version 3.5.2
```

```r
library('forecast')
```

```
## Warning: package 'forecast' was built under R version 3.5.2
```

```r
library('smooth')
```

```
## Warning: package 'smooth' was built under R version 3.5.2
```

```
## Loading required package: greybox
```

```
## Warning: package 'greybox' was built under R version 3.5.2
```

```
## Package "greybox", v0.5.8 loaded.
```

```
## This is package "smooth", v2.5.5
```

```r
library('beanplot')
library('pastecs')
library('scales')
library('rbenchmark')
library('ggplot2')

load('nonlinear.Rdata')


iter<-20000
```