

tbats_bug_7_3.R

Eric

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```
library(forecast)
```

```
## Warning: package 'forecast' was built under R version 3.2.5
```

```
## Loading required package: zoo
```

```
##  
## Attaching package: 'zoo'
```

```
## The following objects are masked from 'package:base':  
##  
##   as.Date, as.Date.numeric
```

```
## Loading required package: timeDate
```

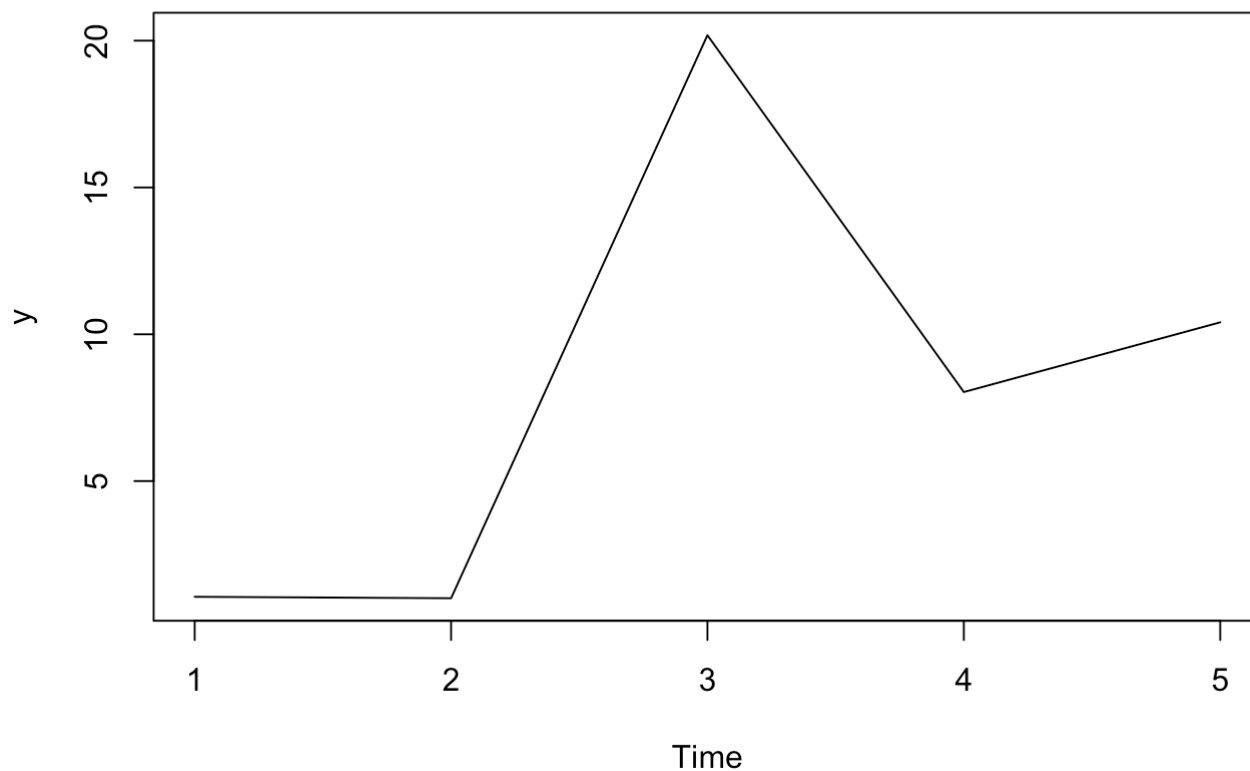
```
## This is forecast 7.3
```

```
packageVersion('forecast')
```

```
## [1] '7.3'
```

```
Y <- c(1.060283, 1.009953, 20.183244, 8.032572, 10.408715)
```

```
y <- ts(Y)  
plot(y)
```



```
mdl <- tbats(y)
pred <- predict(mdl)
pred
```

##	Point Forecast	Lo 80	Hi 80	Lo 95	Hi 95
## 6	34.30057	12.16436	96.71934	7.026978	167.4303
## 7	66.75601	23.66610	188.30162	13.668793	326.0390
## 8	129.92103	45.93664	367.46722	26.493359	637.1488
## 9	252.85323	88.76443	720.30596	50.997429	1253.6859
## 10	492.10476	170.39458	1421.27561	97.189159	2491.8177
## 11	957.77960	324.36380	2828.00270	182.849728	5016.6972
## 12	1864.03747	611.31810	5683.59415	338.823022	10255.0165
## 13	3627.80299	1139.47652	11550.00060	617.244607	21321.1745
## 14	7060.45598	2098.96638	23749.80327	1104.361934	45137.2516
## 15	13741.10967	3820.08272	49427.75038	1939.834369	97332.9761

```
plot(pred)
```

Forecasts from BATS(0, {0,0}, 1, -)

