IF... you converted your data to time series...

Suppose you decide to convert your dataset to a time series object.

Let's make a function to produce this plot automatically, and let's also modify the axis to have better time resolution.

```
plot.wine <- function(){
  plot.ts(xt, main = "happy wine :)", xaxt = 'n')
  axis(1, 1980:1991, 1980:1991)
}</pre>
```

Now, suppose we want to plot a line of best fit. How do we get it to show up?

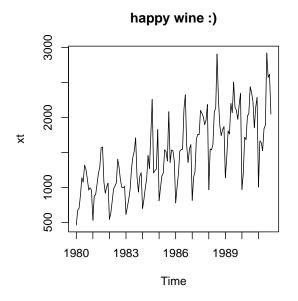
```
m.pr <- trend(wine,1) # polynomial regression

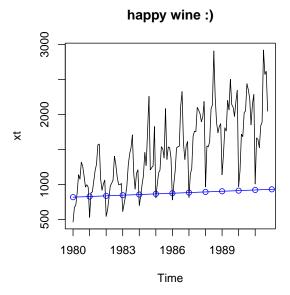
par(mfrow = c(1,2))

plot.wine()
lines(m.pr, col = "blue") # o no where is it

# plot.wine()
# lines(1980:1991, m.pr, col = "blue") # fail

plot.wine()
lines( 1980:(1980+length(m.pr)-1), m.pr, col = "blue") # too shallow
points(1980:(1980+length(m.pr)-1), m.pr, col = "blue") # years not months!</pre>
```





We need to convert our trend estimate \hat{m}_t to a time series object as well! (With the same set of time points as our series x_t)

happy wine:) × Time

You'll need to go through this process for most ITSMR function outputs. I'd recommend making a ts.wine(x) function or something. But you generally don't need to do this when you calculate residuals, since

time series - time series of same length = time series