Package 'forecastComp'

Title What the Package Does (one line, title case) Version 0.0.0.9000 Description What the package does (one paragraph). Depends R (>= 3.5.0) Imports forecast License GPL (>= 2) Encoding UTF-8 LazyData true RoxygenNote 6.0.1			
		-	ocumented: are_forecasts
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		compare_fo	recasts Compare forecast accuracies
		Description	
		Test the eff	ficacy of time series models by comparing forecasts with actual data
		Usage	
		compare_f	<pre>Forecasts(m, y = NULL, holdout = NULL)</pre>
		Arguments	
m	a list of models to compare		
у	a monovariate time series; the data to train and test the models on		
holdout	single integer; the last n points will be forecasted		

2 forecasts

Examples

```
data(tf.d12)
ts2 <- head(tf.d12, 110)
mod1 <- forecast::snaive(ts2)</pre>
mod2 \leftarrow ar(ts2)
mod3 <- forecast::ets(ts2)</pre>
mod.1 \leftarrow list(mod1, mod2, mod3)
(1 <- compare_forecasts(mod.1, ts2, 12))</pre>
par(mfrow=c(3, 1), mar=c(3, 3, 2, 1), mgp=c(2, 0.6, 0), oma=c(0, 0, 0, 0))
invisible(lapply(l, function(x) {
  plot(x$fcast.obj, shaded=FALSE, PI=FALSE, include=48, type="1",
    cex.main=0.9, xpd=NA)
  lines(x$test, col="#00FF4488")
  }
))
## Not run:
data(sunspot.month)
extr <- aggregate(sunspot.month, nfrequency=2, mean)[100:349]</pre>
extr <- ts(extr, f=21)
mod1 <- StructTS(extr)</pre>
mod2 <- ar(extr)</pre>
mod3 <- nnetar(extr)</pre>
mod4 <- arfima(extr)</pre>
mod5 \leftarrow Arima(extr, order=c(3, 0, 1))
mod6 \leftarrow Arima(extr, order=c(2, 0, 2), seasonal=c(2, 1, 0))
mod.1 \leftarrow list(mod1, mod2, mod3, mod4, mod5, mod6)
1 <- compare_forecasts(mod.1, extr, 21)</pre>
diffs <- sapply(1, function(y) y[["fcast"]] - y[["test"]])</pre>
matplot(diffs, type="l",
  col=c("red", "lightgreen", "blue", "orange", "pink", "cyan"), lty=1)
par(mfrow=c(3, 2), mar=c(3, 3, 2, 1), mgp=c(2, 0.6, 0), oma=c(0, 0, 0, 0))
invisible(lapply(l, function(x) {
  plot(x$fcast.obj, shaded=FALSE, PI=FALSE, include=66, type="l",
    cex.main=0.9, xpd=NA)
  lines(x$test, col="#00FF4488")
  }
))
summary(1)
head(forecasts(1))
## End(Not run)
```

forecasts

Description

Return forecasts and actual data from compare_forecasts object

Usage

forecasts(x)

Arguments

x a compare_forecasts object

Value

A multivarite time series (mts) with the actual data, the holdout, on the first column, and the forecasts on the rest.

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