0.1 `plot.surv`: Plotting Confidence Intervals for Survival Curves

Description

The `plot.surv` command generates confidence intervals for Kaplan-Meier survival curves

Usage

```
plot.surv(x, duration, censor, type = "line", plotcensor=TRUE,
          plottimes = FALSE, int = c(0.025,0.975), ...)
```

Arguments

x	output from `sim` stored as a list. Each element of the list is the `sim` output for a particular survival curve.
duration	the duration variable (e.g. lifetime, survival, etc.).
censor	the censored data
type	the type of confidence interval. Defaults to `"line"`, which draws vertical confidence intervals at observed event times. `"poly"` draws confidence regions using polygons.
plotcensor	default is `TRUE`. Plots censoring times as a `rug` object.
plottimes	default is `FALSE`. Plots step function with indicators at observed event times.
int	vector of quantile limits for the confidence interval. Default is 95% interval.
...	Additional parameters passed to `plot`.

Value

For survival models, `plot.surv()` returns vertical confidence intervals or polygon survival regions for Kaplan-Meier survival curves. You may save this plot using the commands described in the Zelig manual (`http://gking.harvard.edu/zelig`).

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See Also

The full Zelig manual is available at `http://gking.harvard.edu/zelig`, and users may also wish to see `plot`, `lines`.

Examples

```
## Not run:
data(coalition)
z.out1 <- zelig(Surv(duration,ciep12)~invest+numst2+crisis,
robust=TRUE,cluster="polar",model="coxph",data=coalition)
low <- setx(z.out1,numst2=0)
high <- setx(z.out1,numst2=1
# Simulate Survival Curves for Each Group
s.out1 <- sim(z.out1,x=low)
s.out2 <- sim(z.out1,x=high)

# Organize simulated output as a list
out <- list(s.out1,s.out2)

plot.surv(x = out, duration = coalition$duration, censor=coalition$ciep12,
          type="line", plottimes=FALSE, plotcensor=FALSE,
          main="Survival", xlab="Time", ylab="Survival")
## End(Not run)
```