0.1 `plot.ci`: Plotting Vertical confidence Intervals

Description

The `plot.ci` command generates vertical confidence intervals for linear or generalized linear univariate response models.

Usage

```
plot.ci(x, CI = 95, qi = "ev", main = "", ylab = NULL, xlab = NULL,
        xlim = NULL, ylim = NULL, col = c("red", "blue"), ...)
```

Arguments

x	stored output from `sim`. The `x$x` and optional `x$x1` values used to generate the `sim` output object must have more than one observation.
CI	the selected confidence interval. Defaults to 95 percent.
qi	the selected quantity of interest. Defaults to expected values.
main	a title for the plot.
ylab	label for the y-axis.
xlab	label for the x-axis.
xlim	limits on the x-axis.
ylim	limits on the y-axis.
col	a vector of at most two colors for plotting the expected value given by `x` and the alternative set of expected values given by `x1` in `sim`. If the quantity of interest selected is not the expected value, or `x1 = NULL`, only the first color will be used.
...	Additional parameters passed to `plot`.

Value

For all univariate response models, `plot.ci()` returns vertical confidence intervals over a specified range of one explanatory variable. 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

```
data(turnout)
z.out <- zelig(vote ~ race + educate + age + I(age^2) + income,
               model = "logit", data = turnout)
age.range <- 18:95
x.low <- setx(z.out, educate = 12, age = age.range)
x.high <- setx(z.out, educate = 16, age = age.range)
s.out <- sim(z.out, x = x.low, x1 = x.high)
plot.ci(s.out, xlab = "Age in Years",
        ylab = "Predicted Probability of Voting",
        main = "Effect of Education and Age on Voting Behavior")
legend(45, 0.52, legend = c("College Education (16 years)",
       "High School Education (12 years)"), col = c("blue","red"),
       lty = c("solid"))
```