faithful R Documentation

Old Faithful Geyser Data

Description

Waiting time between eruptions and the duration of the eruption for the Old Faithful geyser in Yellowstone National Park, Wyoming, USA.

Usage

faithful

Format

A data frame with 272 observations on 2 variables.

```
[,1] eruptions numeric Eruption time in mins
```

```
[,2] waiting numeric Waiting time to next eruption (in mins)
```

Details

A closer look at faithful\$eruptions reveals that these are heavily rounded times originally in seconds, where multiples of 5 are more frequent than expected under non-human measurement. For a better version of the eruption times, see the example below.

There are many versions of this dataset around: Azzalini and Bowman (1990) use a more complete version.

Source

W. Härdle.

References

Härdle, W. (1991) Smoothing Techniques with Implementation in S. New York: Springer.

Azzalini, A. and Bowman, A. W. (1990). A look at some data on the Old Faithful geyser. *Applied Statistics* **39**, 357–365.

See Also

geyser in package MASS for the Azzalini–Bowman version.

Examples

```
require(stats); require(graphics)
f.tit <- "faithful data: Eruptions of Old Faithful"</pre>
```