

Survival from Malignant Melanoma

Description

The `melanoma` data frame has 205 rows and 7 columns.

The data consist of measurements made on patients with malignant melanoma. Each patient had their tumour removed by surgery at the Department of Plastic Surgery, University Hospital of Odense, Denmark during the period 1962 to 1977. The surgery consisted of complete removal of the tumour together with about 2.5cm of the surrounding skin. Among the measurements taken were the thickness of the tumour and whether it was ulcerated or not. These are thought to be important prognostic variables in that patients with a thick and/or ulcerated tumour have an increased chance of death from melanoma. Patients were followed until the end of 1977.

Usage

```
melanoma
```

Format

This data frame contains the following columns:

`time`

Survival time in days since the operation, possibly censored.

`status`

The patients status at the end of the study. 1 indicates that they had died from melanoma, 2 indicates that they were still alive and 3 indicates that they had died from causes unrelated to their melanoma.

`sex`

The patients sex; 1=male, 0=female.

`age`

Age in years at the time of the operation.

`year`

Year of operation.

`thickness`

Tumour thickness in mm.

`ulcer`

Indicator of ulceration; 1=present, 0=absent.

Note

This dataset is not related to the dataset in the lattice package with the same name.

Source

The data were obtained from

Andersen, P.K., Borgan, O., Gill, R.D. and Keiding, N. (1993) *Statistical Models Based on Counting Processes*. Springer-Verlag.

References

Davison, A.C. and Hinkley, D.V. (1997) *Bootstrap Methods and Their Application*. Cambridge University Press.

Venables, W.N. and Ripley, B.D. (1994) *Modern Applied Statistics with S-Plus*. Springer-Verlag.