

Drying of beech wood planks

Key words: Factor structure, Randomized blocks with two-way full factorial treatment structure.

Description

To investigate the effect of drying of beech wood on the humidity percentage, the following experiment was conducted. Each of 20 planks was dried in a certain period of time. Then the humidity percentage was measured in 5 debths (1,3,5,7,9) and 3 widths (1,2,3) for each plank:

debth 1: close to the top
debth 5: in the center
debth 9: close to the bottom
debth 3: between 1 and 5
debth 7: between 5 and 9

width 1: close to the side
width 3: in the center
width 2: between 1 and 3

Number of observations: 300 (20 planks)

Variable	Description
plank	Numbered 1-20
width	Numbered 1,2,3
debth	Numbered 1,3,5,7,9
humidity	Humidity percentage

Source

The Royal Veterinary and Agricultural University, Denmark.

Analysis

Randomized block (fixed two-way treatment with interaction, random assessor)