## Data sets available for ST113: Mixed Linear Models

#### **Introduction, Randomized Blocks Design**

NIR prediction of HPLC measurements, complete data NIR prediction of HPLC measurements, missing data Sensory evaluation of cookies

#### **General factor structure**

Drying of beech wood planks Maillard reaction in milk powder Maillard reaction in milk powder, version II Colour of spinage Rooting of Hibiscus Desease in cucumbers Tractor comparison Sensory evaluation of spinage

#### Hierarchial

Lactase in piglets Fructification of blueberries

#### **Split-plot**

Effect of nitrogen fertilizer on yield of oats Tenderness of pork-meat Rancidness of steaks Yield of wheat

#### **Analysis of covariance**

Hormone treatment of steers Concentration of a hormone in cattle



# **BIB** example with different slopes Growth of trees.

## **Random coefficient analysis**

Constructed data Consumer preference mapping of carrots

### **Repeated measures**

Enrofloxacin treatments of pigs Histamine response in dogs PH in pigs Activity of rats Growth of guinea pigs