

# Practical "Summary"

## P10

1. Data *HeadInjury.csv* contains information about persons with head injury who are admitted and operated in a hospital. For each patient the distance to the hospital and the time between injury and surgery are measured, but also verbal responses on the admission to the hospital are recorded.  
What does predict the chance of recovering from a head injury?
2. Dataset *QoL.sav* includes summary of a study on the effect of cosmetic surgery on quality of life (the smaller score of variables *PostQoL*, *BaseQoL* the better quality of life).  
Does the quality of life change after the surgery? Does the change differ when patients undergo surgery only and when they have extra meetings with a psychologist?
3. Dataset *LevamisoleColonCancer.sav* shows information of a randomized trial for adjuvant therapy of resected colon carcinoma. A national intergroup trial was conducted in the 1980s to study drugs levamisole and fluorouracil. Patients were randomly assigned to observation (control group), levamisole alone, or levamisole combined with fluorouracil and the time to cancer recurrence was considered as the most important outcome measure.  
What can be concluded from this dataset? Did randomization produce balanced experimental groups, i.e. did patients from the different groups have similar baseline characteristics? Which of the adjuvant therapies was the most effective to prolong cancer progression?