



ANALYSIS PLAN FOR SIMPLE DASH BOARD

Indian Liver Patient Dataset

Group A

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RESEARCH QUESTION

To compare response variable (whether the person is a liver patient or not) with explanatory variables.

DATASET TO BE USED

Indian Liver Patient Data Set (ILPD) consists of 583 observations which contains missing values.

Variables to be used in the main analysis

Explanatory variables

1. Age of the patient
2. Gender Gender of the patient
3. TB Total Bilirubin
4. DB Direct Bilirubin
5. Alkphos Alkaline Phosphotase
6. Sgpt Alamine Aminotransferase
7. Sgot Aspartate Aminotransferase
8. TP Total Protiens
9. ALB Albumin
10. A/G Ratio Albumin and Globulin Ratio

Response variables

1. Class: liver patient (1) or not a liver patient (2)

INCLUSION CRITERIA

Basic analysis

- Gender distribution of liver patients
- Age distribution (below 18 years, 19-50 years, over 50 years)
- Count of liver patients and non-liver patients

Main analysis

- Interactive plot is to be used and, as the dynamic variables of that, explanatory variables are to be used comparing with response variables. (whether the person is a liver patient or not)

Graphs to be used

- Bar graph
- Multiple bar graph
- Pie chart
- Line chart