

STEPS FOR THE ANALYSIS OF THE PROPOSED DATA

Chose a dataset and adopt a significance level α equal to 0.05

- 1) Perform and comment the univariate analysis for each covariate.
- 2) Estimate a multivariate Cox regression model.
- 3) Comment the obtained results.
- 4) Report the estimates of the hazard ratio and corresponding 95% confidence interval for the complete model.
- 5) Use a backward selection procedure for model of point 2 if necessary.
- 6) Check if model of point 5 satisfy PH assumption.
- 7) Estimate a model with time varying coefficient for variable/s (if present) that violate PH.
- 8) Test linearity for continuous variables.
- 9) Chose the “best” parametric model for the data and describe the shape of the hazard function.