A hospital surgical unit was interested in understanding the relationship between Survival Time and other factors and predicting Survival Time of patients under a particular type of liver operation. A random selection of 108 patients was available for analysis (**SurvivalTime.txt**). From each patient record, the following information was extracted from the pre-operation evaluation:

AU: **indicator variables** for history of alcohol use (AU=1: None, AU=2: Moderate, Au=3: Severe) 酗酒程度.

BCS: blood clotting score凝血指數

PI: prognostic index癒後指數

ET: enzyme function test score 肝酶指數

LT: liver function test score肝功能指數

AGE: age, in years 年齡

Gender: **indicator variables** for gender (0=male, 1=female) 性別

Stime: Survival Time病人存活時間 (The dependent variable of this study, i.e. **Y**)