

P8110: Applied Regression II
Midterm Project: Step 1

1. Use the midterm project data set to answer the following questions.
 - (a) Define and create the survival outcome – age of onset of depression. State clearly what are the start and end points in defining the survival time.
 - (b) Use Kaplan-Meier survival curves and log-rank test to compare age of developing depression between offspring of a depressed index parent and offspring of a normal index parent. What do you conclude?
 - (c) Generate a descriptive statistics table for the time-invariant covariates in the study, stratified by parental depression status. Fill in Table 1 below.

Variable	Depressed Index	Normal Index
	Parent Group (N=125)	Parent Group (N=95)
	n (%)	n (%)
Sex of Child		
Male		
Female		
Child depression status		
Even depressed		
Never depressed		
Child substance abuse status		
Yes		
No		
Social class of index parent		
1		
2		
3		
4		
5		
Marital status of index parent		
Married with spouse		
Separated/Divorced		

Table 1: Demographic and Clinical Characteristics of the offspring stratified by parental depression status.