Applied Regression II Final - Part One

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```
Data import and preparation
proc import out = depression
  datafile = "~\final\regression_II_final\data.csv"
    dbms = csv replace;
    getnames = yes;
run;
data depression;
    set depression;
    rename PARDEP = parent_dep
            DSMDEPHR = child_dep
            PTSEX = child_sex
            PTAGE = child_age
            BEDEPON = age_child_dep
            DSMSUBHR = sub_abuse_child
            BESUBON = age_sub_child
            SESCLASS = ses_parent
            MSPARENT = mar_stat_parent;
run;
  1. I defined the start time as the time of birth for all children. The end time was defined as either the age
     of onset of depression in children that were classified as ever having depression or as the age at child
     interview for children that classified as never having depression. To hold this survival time, I created a
     variable called follow_time:
data depression;
    set depression;
    if child_dep = 1 then
        follow_time = age_child_dep;
    else if child_dep = 0
        then follow_time = child_age;
run;
  2.
proc means data = depression median clm maxdec = 2;
    var age_child_dep;
    class parent_dep;
    where child_dep = 1;
run;
  3.
  4.
proc lifetest data = depression method = km conftype = loglog stderr plots = survival(cl);
    strata parent_dep;
    time follow_time * child_dep(0);
run;
```