

```

/* load data */
DATA data;
    INFILE "/home/u63563888/435/homework3/bladder.dat";
    INPUT patient time status treat init size;
    DROP patient treat init size;
    If _N_ = 1 THEN delete;          /* row of blank values */

    /* make treatment values more descriptive */
    LENGTH Treatment $ 8;
    IF treat = 1 THEN Treatment = "Placebo";
    ELSE Treatment = "Thiotepa";
RUN;

```

```

/* kaplan meier plot */
ods graphics on;
ods pdf file= "/home/u63563888/435/homework3/hw3_save.pdf";
ods select survivalPlot;

PROC LIFETEST DATA=data PLOTS=survival(test atrisk) METHOD=km;
    STRATA Treatment / TEST = logrank;
    TIME time * status(0);
RUN;

```

```

ods pdf close;
ods graphics off;

```

```

/* log rank p-value analysis */
/* The log-rank p-value is 0.2175, which means that there
   is not a statistically detectable difference in survival
   probability between the group that received the placebo
   treatment and the group that received the thiotepa
   treatment */

```

```

/* export dataset */
LIBNAME exp_path "~/435/";

```

```

DATA whole_data;
    INFILE "/home/u63563888/435/homework3/bladder.dat";
    INPUT patient time status treat init size;
    If _N_ = 1 THEN delete;          /* row of blank values */

    /* make treatment values more descriptive */
    LENGTH treatment $ 8;
    IF treat = 1 THEN Treatment = "Placebo";
    ELSE Treatment = "Thiotepa";

```

```
        DROP treat;
RUN;

DATA exp_path.bladder_data;
    SET whole_data;
RUN;
```