

Math 150 - Methods in Biostatistics - Homework 11

Your name here

Due: Wednesday, April 17, 2019, in class

```
knitr::opts_chunk$set(message=FALSE, warning=FALSE, fig.height=3.5, fig.width=8,  
                        fig.align = "center")  
  
library(tidyverse)  
library(broom)  
library(tidylog)  
library(survival)  
library(survminer)
```

1. Chp 9, E11

Read text for description of data.

- (a) check proportional hazard assumptions for treatment KM curves. Use `fun="cloglog"` inside the `ggsurvplot`. And/or use `cox.zph`.
- (b) use all explanatory variables and likelihood ratio test to come up with the “best” model.

2. Chp 9, E12

Read text for description of data.

- (a) check proportional hazard assumptions for treatment KM curves. Use `fun="cloglog"` inside the `ggsurvplot`. And/or use `cox.zph`.
- (b) use all explanatory variables and likelihood ratio test to come up with the “best” model.