

surv: Name _____

1. Formatting:

| | |
|--------------------------------|------------------------------------|
| all margins 2.5cm | informative title |
| 12 pt size | name on all pages |
| no raw R code or output | all pages numbered |
| max 10 pages | no blurry plots (NOT png) |

2. Introduction/Background:

brief statement of scientific question
all variables defined

3. EDA:

| | |
|----------------------|---------------------------|
| univariate numerical | bivariate numerical (cor) |
| univariate graphical | bivariate graphical |

4. Model fitting:

KM (write out estimator and variance) + log-rank test: state null / alt hyps, value of test stat, give null dist of test stat, p-value, conclusion (reject / do not reject)

state how model fitted (ie, maximum partial likelihood)

CLEARLY describe how model selected

define all terms

5. Model assessment:

CLEARLY state Cox PH assumptions:

1. hazards are proportional
2. linear form for covariates
3. no outliers

carry out assessment (graphics) and **EXPLAIN**:

Schoenfeld residuals (PH assumption)
Martingale residuals (linear form for continuous variables)
Deviance residuals (to identify outliers)

6. Write out final estimated model **mathematically**

hat on response variable
(ok if coefs in table)

max **2 sig digits** on coefs

7. Plots:

label size (not too small)

captions

placement

NOT BLURRY

8. Conclusions

recap analysis

state main findings

9. Overall presentation (clarity of explanations, appropriate citations / references) :

poor

satisfactory

good

excellent

10. Other comments:
