

surv: Name

AB

8.25/12  $\rightarrow$  4.125/6

## 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 background and statement of scientific question

imprecise + incomplete

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)

mathematically

state how model fitted (ie, maximum partial likelihood)

**CLEARLY** describe how model selected

**define all terms**

AIC

## 5. Model assessment:

**CLEARLY** state Cox PH assumptions: + give **PRIMARY** references

explain what 'validity' means here

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

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

Schoenfeld residuals (PH assumption)

Martingale residuals (linear form for continuous variables)

Deviance residuals (to identify outliers)

First explain plots  
then interpret  
then conclude

somewhat superficial

5.25/8

4/1 6. Write out final *estimated* model **mathematically**

hat on *response* variable

max **2 sig digits** (after decimal) on coefs

7. Plots:

1/1 label size (not too small)

informative captions

placement

explanations

0.5/1 8. Conclusions

1. recap analysis

2. state and interpret main findings

0.5/1 9. Overall presentation (clarity of explanations, appropriate citations / references):

poor

satisfactory

good

excellent

10. Other comments:

A – no / incomplete / insufficient references

B – cite PRIMARY refs (not course notes, not wikipedia, etc.)

C – interpretation (cannot conclude causation, only association)

D – use your OWN WORDS / no apparently unattributed quotations

E – Intro: 1. Give context; 2. Clearly state scientific question; 3. Describe data

F – univariate graphical: histograms not boxplots

G – (mathematical) model misspecified / unclear

H – clearly EXPLAIN / INTERPRET PLOTS (don't just state conclusions)

I – plot size / aspect ratio (make 'pretty')

Other:

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surv: Name

JB

7/12 →

3.5/6

## 1. Formatting:

all margins 2.5cm

12 pt size

no raw R code or output

max 10 pages

informative title

name on all pages

all pages numbered

no blurry plots (NOT png)

## 2. Introduction/Background:

brief background and statement of scientific question

all variables defined

## 3. EDA:

univariate numerical

univariate graphical

bivariate numerical (cor)

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: + give PRIMARY references

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

carry out assessment (graphics / tests) and EXPLAIN:

Schoenfeld residuals (PH assumption)

Martingale residuals (linear form for continuous variables)

Deviance residuals (to identify outliers)

First explain plots then interpret then conclude

(Too many digits in parts)

Essential?

imprecise

Don't need univariate Cox

not just graphing

Put all EDA BEFORE KM

pass plots for continuous

+ Cox mathematically

log-rank test in Cox?

4.5/8

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

**hat** on *response* variable

max **2 sig digits** (after decimal) on coefs

0.75/ 7. Plots:

label size (not too small)

informative captions

placement

explanations

0.25/ 8. Conclusions

1. recap analysis

2. state and interpret main findings

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

poor

satisfactory

good

excellent

10. Other comments:

A – no / incomplete / insufficient references

B – cite PRIMARY refs (not course notes, not wikipedia, etc.)

10 C – interpretation (cannot conclude causation, only association)

D – use your OWN WORDS / no apparently unattributed quotations

11 E – Intro: 1. Give context; 2. Clearly state scientific question; 3. Describe data

F – univariate graphical: histograms not boxplots

G – (mathematical) model misspecified / unclear

H – clearly EXPLAIN / INTERPRET PLOTS (don't just state conclusions)

I – plot size / aspect ratio (make 'pretty')

Other:

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2.5/4



surv: Name

LB

7/12  $\Rightarrow$  3.5/6

## 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 background and 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: + give **PRIMARY** references

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

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

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

incorrect interpretation

not just graph

incorrect interpretations

mathematically

model 'holds'?

not 'refuse'

stepwise = ?

AIC

First explain plots  
then interpret  
then conclude

4.25/8

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

**hat** on *response* variable

max **2 sig digits** (after decimal) on coefs

7. Plots:

label size (not too small)

informative captions

placement

explanations

8. Conclusions

1. recap analysis

2. state and interpret main findings

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

poor

satisfactory

good

excellent

10. Other comments:

A – no / incomplete / insufficient references

B – cite PRIMARY refs (not course notes, not wikipedia, etc.)

C – interpretation (cannot conclude causation, only association)

D – use your OWN WORDS / no apparently unattributed quotations

E – Intro: 1. Give context; 2. Clearly state scientific question; 3. Describe data

F – univariate graphical: histograms not boxplots

G – (mathematical) model misspecified / unclear

H – clearly EXPLAIN / INTERPRET PLOTS (don't just state conclusions)

I – plot size / aspect ratio (make 'pretty')

Other:

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2.75/4



surv: Name

TB

7/12 → 3.5/6

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 background and 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: + give PRIMARY references

1. hazards are proportional

2. linear form for covariates

3. no outliers

carry out assessment (graphics / tests) and EXPLAIN:

Schoenfeld residuals (PH assumption)

Martingale residuals (linear form for continuous variables)

Deviance residuals (to identify outliers)

0.75/1 6. Write out final *estimated* model **mathematically**

**hat** on response variable

max **2 sig digits** (after decimal) on coeffs

0.75/1 7. Plots:

label size (not too small)

informative captions

placement

explanations

0.25/1 8. Conclusions

1. recap analysis

2. state and interpret main findings

0.5/1 9. Overall presentation (clarity of explanations, appropriate citations / references):

poor

satisfactory

good

excellent

10. Other comments:

A – no / incomplete / insufficient references

B – cite PRIMARY refs (not course notes, not wikipedia, etc.)

C – interpretation (cannot conclude causation, only association)

D – use your OWN WORDS / no apparently unattributed quotations

E – Intro: 1. Give context; 2. Clearly state scientific question; 3. Describe data

F – univariate graphical: histograms not boxplots

G – (mathematical) model misspecified / unclear

H – clearly EXPLAIN / INTERPRET PLOTS (don't just state conclusions)

I – plot size / aspect ratio (make 'pretty')

residuals

Other:

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2.25/4



surv: Name

GC

4/12

2/6

## 1. Formatting:

all margins 2.5cm

12 pt size

no raw R code or output

max 10 pages

informative title

name on all pages

all pages numbered

no blurry plots (NOT png)

## 2. Introduction/Background:

brief background and statement of scientific question

all variables defined

## 3. EDA:

univariate numerical

univariate graphical

bivariate numerical (cor)

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: + give PRIMARY references

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

carry out assessment (graphics / tests) and EXPLAIN:

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

0.25/1 equation  
6. Write out final estimated model **mathematically**

hat on response variable

max **2 sig digits** (after decimal) on coefs

0.75/1  
7. Plots:

label size (not too small)

informative captions

placement

explanations

0/1  
8. Conclusions *not done*

1. recap analysis

2. state and interpret main findings

0.25/1  
9. Overall presentation (clarity of explanations, appropriate citations / references):

poor

satisfactory

good

excellent

10. Other comments:

A – no / incomplete / insufficient references

B – cite PRIMARY refs (not course notes, not wikipedia, etc.)

C – interpretation (cannot conclude causation, only association)

D – use your OWN WORDS / no apparently unattributed quotations

E – Intro: **1.** Give context; **2.** Clearly state scientific question; **3.** Describe data

F – univariate graphical: histograms not boxplots

G – (mathematical) model misspecified / unclear

H – clearly EXPLAIN / INTERPRET PLOTS (don't just state conclusions)

I – plot size / aspect ratio (make 'pretty')

Other:

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1.25/4



surv: Name

JC

8.25/12 → 4.125/6

## 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 background and statement of scientific question

imprecise

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)

$\text{Var}(\hat{S}(t))$

mathematically

state how model fitted (ie, maximum partial likelihood)

CLEARLY describe how model selected

stepwise + stratified model

define all terms

AIC

## 5. Model assessment:

CLEARLY state Cox PH assumptions: + give PRIMARY references

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

carry out assessment (graphics / tests) and EXPLAIN:

Schoenfeld residuals (PH assumption)

Martingale residuals (linear form for continuous variables)

Deviance residuals (to identify outliers)

First explain plots then interpret then conclude

5.25/8

1/1 6. Write out final *estimated* model **mathematically**

**hat** on *response* variable

max **2 sig digits** (after decimal) on coefs

7. Plots:

2 label size (not too small)

informative captions

placement

explanations

0.5/1 8. Conclusions

1. recap analysis (+EDA)

2. state and interpret main findings *imprecise*

0.5/1 9. Overall presentation (clarity of explanations, appropriate citations / references) :

poor

satisfactory

good

excellent

10. Other comments:

A – no / incomplete / insufficient references

B – cite PRIMARY refs (not course notes, not wikipedia, etc.)

C – interpretation (cannot conclude causation, only association)

D – use your OWN WORDS / no apparently unattributed quotations

E – Intro: 1. Give context; 2. Clearly state scientific question; 3. Describe data

F – univariate graphical: histograms not boxplots

G – (mathematical) model misspecified / unclear

H – clearly EXPLAIN / INTERPRET PLOTS (don't just state conclusions)

I – plot size / aspect ratio (make 'pretty')

Other:

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surv: Name

SC

6.5/12 →

3.25/6

## 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)

- too many digits

## 2. Introduction/Background:

brief background and statement of scientific question

imprecise

all variables defined

## 3. EDA:

univariate numerical

bivariate numerical (cor)

univariate graphical

bivariate graphical

Figure 3 illegible

pairs plots

## 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)

logic hard to follow

mathematically

state how model fitted (ie, maximum partial likelihood)

CLEARLY describe how model selected

- Don't need univariate  
- not 'impact survival'  
→ incorrect interpretation

define all terms

Wald test

## 5. Model assessment:

CLEARLY state Cox PH assumptions: + give PRIMARY references

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

carry out assessment (graphics / tests) and EXPLAIN:

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

First explain  
plots then  
interpret  
then conclude

\* you need to put normal size after you decrease size

14.25/6

0.75/ write as  $\hat{H}_t$  not log  
6. Write out final *estimated* model **mathematically**

**hat** on response variable

max **2 sig digits** (after decimal) on coefs

0.75/ 7. Plots:

label size (not too small)

placement

Figure 4 uninformative  
Figure not Fig,  
informative captions

explanations

0.25/ 8. Conclusions

1. recap analysis

2. state and interpret main findings

0.5/ 9. Overall presentation (clarity of explanations, appropriate citations / references):  
logic hard to follow not 'likely assoc'

poor

satisfactory

good

excellent

10. Other comments:

A – no / incomplete / insufficient references

B – cite **PRIMARY** refs (not course notes, not wikipedia, etc.)

C – interpretation (cannot conclude causation, only association)

D – use your **OWN WORDS** / no apparently unattributed quotations

E – Intro: **1.** Give context; **2.** Clearly state scientific question; **3.** Describe data

F – univariate graphical: histograms not boxplots

G – (mathematical) model misspecified / unclear

H – clearly **EXPLAIN** / **INTERPRET PLOTS** (don't just state conclusions)

I – plot size / aspect ratio (make 'pretty')

Other:

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2.25/4



surv: Name

TC

6.75/12 → 3.375/6

## 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)

- Digits inconsistent

## 2. Introduction/Background:

brief background and statement of scientific question

imprecise

all variables defined

## 3. EDA:

univariate numerical

bivariate numerical (cor)

not graph

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)

mathematically

state how model fitted (ie, maximum partial likelihood)

CLEARLY describe how model selected

specifying not 'expliciting'

define all terms

Cox not cox

- no p=0.0000

## 5. Model assessment:

CLEARLY state Cox PH assumptions: + give PRIMARY references

+ explain

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

carry out assessment (graphics / tests) and EXPLAIN:

First explain plots  
then interpret  
then conclude

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

4.5/8

0.75/1  
no  $\hat{h}_0$  - you don't estimate it  
6. Write out final *estimated* model **mathematically**

*-the singular of strata is stratum*  
hat on response variable

max 2 sig digits (after decimal) on coeffs

0.75/1  
7. Plots:

label size (not too small)

informative captions

placement

explanations

0.25/1  
8. Conclusions

1. recap analysis

2. state and interpret main findings

0.5/1  
9. Overall presentation (clarity of explanations, appropriate citations / references) :

poor

satisfactory

good

excellent

10. Other comments:

A - no / incomplete / insufficient references

Schoenfeld

B - cite PRIMARY refs (not course notes, not wikipedia, etc.)

C - interpretation (cannot conclude causation, only association)

D - use your OWN WORDS / no apparently unattributed quotations

E - Intro: 1. Give context; 2. Clearly state scientific question; 3. Describe data

F - univariate graphical: histograms not boxplots

G - (mathematical) model misspecified / unclear

H - clearly EXPLAIN / INTERPRET PLOTS (don't just state conclusions)

I - plot size / aspect ratio (make 'pretty')

Other:

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2.25/4



surv: Name

Vc

6.5/12 → 3.25/6

## 1. Formatting:

all margins 2.5cm

12 pt size

**no raw R code or output**

max **10** pages

informative title

name on all pages

all pages numbered

no blurry plots (**NOT** png)

- too many digits in parts  
imprecise + incorrect

## 2. Introduction/Background:

brief background and statement of scientific question

all variables defined

## 3. EDA:

univariate numerical

univariate graphical

bivariate numerical (cor)

bivariate graphical

not just graphic

## 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: + give **PRIMARY** references

1. hazards are proportional

2. linear form for covariates

3. no outliers

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

Schoenfeld residuals (PH assumption)

Martingale residuals (linear form for continuous variables)

Deviance residuals (to identify outliers)

+ First explain plots then interpret then conclude

4/8

1/1  
0.75/1  
6. Write out final *estimated* model **mathematically**

**hat** on *response* variable

max **2 sig digits** (after decimal) on coefs

0.25/1  
7. Plots:

label size (not too small)

informative captions

placement

explanations

0.25/1  
8. Conclusions

1. recap analysis

2. state and interpret main findings

0.5/1  
9. Overall presentation (clarity of explanations, appropriate citations / references):

poor

satisfactory

good

excellent

not correct  
somewhat superficial

10. Other comments:

A – no / incomplete / insufficient references

B – cite PRIMARY refs (not course notes, not wikipedia, etc.)

C – interpretation (cannot conclude causation, only association)

D – use your OWN WORDS / no apparently unattributed quotations

E – Intro: 1. Give context; 2. Clearly state scientific question; 3. Describe data

F – univariate graphical: histograms not boxplots

G – (mathematical) model misspecified / unclear

H – clearly EXPLAIN / INTERPRET PLOTS (don't just state conclusions)

I – plot size / aspect ratio (make 'pretty')

Other:

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2.5/4



surv: Name

YC

8/12 →

4/6

## 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)

- too many digits

## 2. Introduction/Background:

brief background and statement of scientific question

imprecise

all variables defined

## 3. EDA:

univariate numerical

bivariate numerical (cor)

univariate graphical

(bivariate graphical)

incomplete

## 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)

mathematically

state how model fitted (ie, maximum partial likelihood)

Cox (not cox)

CLEARLY describe how model selected

define all terms

Weibull?  
results table:  $\hat{\beta}$

(Interpretations)

## 5. Model assessment:

CLEARLY state Cox PH assumptions: + give PRIMARY references

+ explain

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

carry out assessment (graphics / tests) and EXPLAIN:

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

First explain plots  
then interpret  
then conclude

0.75/1 6. Write out final *estimated* model **mathematically**

**hat** on *response* variable

max **2 sig digits** (after decimal) on coefs

0.75/1 7. Plots:

label size (not too small)

informative captions

placement

explanations

0.75/1 8. Conclusions

1. recap analysis

2. state and interpret main findings

0.75/1 9. Overall presentation (clarity of explanations, appropriate citations / references) :

poor

satisfactory

good

excellent

10. Other comments:

A – no / incomplete / insufficient references

B – cite PRIMARY refs (not course notes, not wikipedia, etc.)

C – interpretation (cannot conclude causation, only association)

D – use your OWN WORDS / no apparently unattributed quotations

E – Intro: 1. Give context; 2. Clearly state scientific question; 3. Describe data

F – univariate graphical: histograms not boxplots

G – (mathematical) model misspecified / unclear

H – clearly EXPLAIN / INTERPRET PLOTS (don't just state conclusions)

I – plot size / aspect ratio (make 'pretty')

Other:

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surv: Name

ED

9/12 → 4.5 / 6

## 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 background and 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** AIC

## 5. Model assessment:

**CLEARLY** state Cox PH assumptions: + give **PRIMARY** references

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

carry out assessment (graphics / tests) 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

max **2 sig digits** (after decimal) on coefs

7. Plots:

label size (not too small)

informative captions

placement

explanations

8. Conclusions

1. recap analysis

2. state and interpret main findings *specifically*

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

poor

satisfactory

good

excellent

10. Other comments:

A – no / incomplete / insufficient references

B – cite PRIMARY refs (not course notes, not wikipedia, etc.)

C – interpretation (cannot conclude causation, only association)

D – use your OWN WORDS / no apparently unattributed quotations

E – Intro: 1. Give context; 2. Clearly state scientific question; 3. Describe data

F – univariate graphical: histograms not boxplots

G – (mathematical) model misspecified / unclear

H – clearly EXPLAIN / INTERPRET PLOTS (don't just state conclusions)

I – plot size / aspect ratio (make 'pretty')

Other: – *Don't need contents*

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2.5/4



surv: Name M Des 8.5/12 → 4.25/6

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 background and 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: + give **PRIMARY** references

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

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

Schoenfeld residuals (PH assumption) + hyp tests  
Martingale residuals (linear form for continuous variables)  
Deviance residuals (to identify outliers) - more?

First explain plots, then interpret then conclude

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

0.75/ hat on *response* variable

max **2 sig digits** (after decimal) on coefs

0.5/ 7. Plots:

label size (not too small)

informative captions

Figure 3

placement

explanations

0.5/ 8. Conclusions

1. recap analysis  
(+ EDA)

2. state and interpret main findings

not 'confirmed'

not completely correct

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

poor

satisfactory

good

excellent

10. Other comments:

A – no / incomplete / insufficient references

B – cite PRIMARY refs (not course notes, not wikipedia, etc.)

C – interpretation (cannot conclude causation, only association)

D – use your OWN WORDS / no apparently unattributed quotations

E – Intro: 1. Give context; 2. Clearly state scientific question; 3. Describe data

F – univariate graphical: histograms not boxplots

G – (mathematical) model misspecified / unclear

H – clearly EXPLAIN / INTERPRET PLOTS (don't just state conclusions)

I – plot size / aspect ratio (make 'pretty')

Other:

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2.75/4



surv: Name Adim

8.75/12 → 4.325/6

## 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 background and 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: + give **PRIMARY** references

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

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

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

First explain plots,  
then interpret  
then conclude

5.75/8

1/1 6. Write out final *estimated* model **mathematically**

hat on *response* variable

(max 2 sig digits (after decimal) on coefs

0.75/ 7. Plots:

label size (not too small)

informative captions

placement

explanations

0.5/ 8. Conclusions

1. recap analysis

2. state and interpret main findings

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

poor

satisfactory

good

excellent

10. Other comments:

A – no / incomplete / insufficient references

B – cite PRIMARY refs (not course notes, not wikipedia, etc.)

C – interpretation (cannot conclude causation, only association)

D – use your OWN WORDS / no apparently unattributed quotations

E – Intro: 1. Give context; 2. Clearly state scientific question; 3. Describe data

F – univariate graphical: histograms not boxplots

G – (mathematical) model misspecified / unclear

H – clearly EXPLAIN / INTERPRET PLOTS (don't just state conclusions)

I – plot size / aspect ratio (make 'pretty')

resid plots

Other:



surv: Name

MDub

6.75/12 → 3.325/6

## 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 background and statement of scientific question

all variables defined

## 3. EDA:

all vars - how do you know which variables are 'meaningful'

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: + give **PRIMARY** references

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

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

Schoenfeld residuals (PH assumption)

Martingale residuals (linear form for continuous variables)

Deviance residuals (to identify outliers)

very unclear

3.75/8

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

**hat** on *response* variable

max **2 sig digits** (after decimal) on coefs

7. Plots:

label size (not too small)

informative captions

placement

explanations

8. Conclusions

1. recap analysis

2. state and interpret main findings

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

poor

satisfactory

good

excellent

10. Other comments:

A – no / incomplete / insufficient references

B – cite PRIMARY refs (not course notes, not wikipedia, etc.)

C – interpretation (cannot conclude causation, only association)

D – use your OWN WORDS / no apparently unattributed quotations

E – Intro: 1. Give context; 2. Clearly state scientific question; 3. Describe data

F – univariate graphical: histograms not boxplots

G – (mathematical) model misspecified / unclear

H – clearly EXPLAIN / INTERPRET PLOTS (don't just state conclusions)

I – plot size / aspect ratio (make 'pretty')

Other:

- too much blank space in parts  
- incomplete - no Cox explanation



surv: Name

AF

7.25/12

3.625/6

## 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 background and 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: + give **PRIMARY** references

1. hazards are proportional

2. linear form for covariates

3. no outliers

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

Schoenfeld residuals (PH assumption)

Martingale residuals (linear form for continuous variables)

Deviance residuals (to identify outliers)

\* you have not correctly fit the stratified model

Incorrect

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

hat on *response* variable

max **2 sig digits** (after decimal) on coefs

4/ 7. Plots:

(label size (not too small)

informative captions

placement

explanations

0.75/ 8. Conclusions

1. recap analysis

2. state and interpret main findings

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

poor

satisfactory

good

excellent

10. Other comments:

A – no / incomplete / insufficient references

B – cite PRIMARY refs (not course notes, not wikipedia, etc.)

C – interpretation (cannot conclude causation, only association)

D – use your OWN WORDS / no apparently unattributed quotations

E – Intro: 1. Give context; 2. Clearly state scientific question; 3. Describe data

F – univariate graphical: histograms not boxplots

G – (mathematical) model misspecified / unclear

H – clearly EXPLAIN / INTERPRET PLOTS (don't just state conclusions)

I – plot size / aspect ratio (make 'pretty')

Other:

2.25/4



surv: Name

TF

6.5/12 → 3.25/6

## 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))

(too many digits)

## 2. Introduction/Background:

brief background and statement of scientific question

imprecise

all variables defined

## 3. EDA:

univariate numerical

bivariate numerical (cor)

not just heatmap

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)

$\text{Var}(\hat{S}(t))$

give table of results

state how model fitted (ie, maximum partial likelihood)

**CLEARLY** describe how model selected

**define all terms**

AIC, concordance  
incomplete results

## 5. Model assessment:

**CLEARLY** state Cox PH assumptions: + give **PRIMARY** references

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

your 2+3 are equivalent

carry out assessment (graphics / tests) and **EXPLAIN**

First explain plots  
then interpret  
then conclude

Schoenfeld residuals (PH assumption)

Martingale residuals (linear form for continuous variables)

Deviance residuals (to identify outliers)

4.5/10

0/1  
not done?  
6. Write out final *estimated* model **mathematically**

hat on response variable

max 2 sig digits (after decimal) on coefs

0.75/1  
7. Plots:

label size (not too small)

informative captions

placement

explanations

6.5/1  
8. Conclusions

1. recap analysis  
(+EDA)

2. state and interpret main findings  
not correct

0.75/1  
9. Overall presentation (clarity of explanations, appropriate citations / references):

poor

satisfactory

good

excellent

10. Other comments:

A – no / incomplete / insufficient references

B – cite PRIMARY refs (not course notes, not wikipedia, etc.)

C – interpretation (cannot conclude causation, only association)

D – use your OWN WORDS / no apparently unattributed quotations

(E) Intro: 1. Give context; 2. Clearly state scientific question; 3. Describe data

F – univariate graphical: histograms not boxplots

G – (mathematical) model misspecified / unclear

H – clearly EXPLAIN / INTERPRET PLOTS (don't just state conclusions)

I – plot size / aspect ratio (make 'pretty')

Other:

Don't need EPFL logo



surv: Name \_\_\_\_\_

DG

7.5/12 → 3.75/6

## 1. Formatting:

all margins 2.5cm

informative title

12 pt size

name on all pages

no raw R code or output

(no R commands)  
max 10 pages

all pages numbered

no blurry plots (NOT png)

## 2. Introduction/Background:

brief background and statement of scientific question

imprecise

all variables defined

## 3. EDA:

univariate numerical

bivariate numerical (cor)

univariate graphical

bivariate graphical

## 4. Model fitting:

what about the drug treatment?  
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: + give PRIMARY references

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

carry out assessment (graphics / tests) and EXPLAIN:

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

First explain plots  
then interpret  
then conclude

4.5/8

1/1 6. Write out final *estimated* model **mathematically**

**hat** on *response* variable

max **2 sig digits** (after decimal) on coefs

1/1 7. Plots:

(*Figure 2*) label size (not too small)

informative captions

placement

explanations

0.5/1 8. Conclusions

1. recap analysis  
(+EDA)

2. state and interpret main findings  
*not correct*

0.5/1 9. Overall presentation (clarity of explanations, appropriate citations / references):

poor

satisfactory

good

excellent

*Sometimes logic hard to follow, missing variables*

10. Other comments:

A – no / incomplete / insufficient references

B – cite PRIMARY refs (not course notes, not wikipedia, etc.)

C – interpretation (*\* cannot conclude causation, only association*)

D – use your OWN WORDS / no apparently unattributed quotations

E – Intro: 1. Give context; 2. Clearly state scientific question; 3. Describe data

F – univariate graphical: histograms not boxplots

G – (mathematical) model misspecified / unclear

H – clearly EXPLAIN / INTERPRET PLOTS (don't just state conclusions)

I – plot size / aspect ratio (make 'pretty')

Other: *\* But you DO conclude causation: for example 'which factors influence' (this is a causal statement); 'death hazard increased with... (no, PREDICTED hazard), etc; there are more statements like this in your work*



surv: Name

EH

7.75/12 → 3.875/6

## 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 background and statement of scientific question

all variables defined

## 3. EDA:

univariate numerical

bivariate numerical (cor)

univariate graphical

bivariate graphical

## 4. Model fitting:

use paragraphing var ( $\hat{S}(t)$ )  
**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**

AIC

## 5. Model assessment:

**CLEARLY** state Cox PH assumptions: + give **PRIMARY** references

1. hazards are proportional

2. linear form for covariates

3. no outliers

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

Schoenfeld residuals (PH assumption)

Martingale residuals (linear form for continuous variables)

Deviance residuals (to identify outliers)

5.25/8

0.75/1 explicitly  
6. Write out final *estimated* model **mathematically**

0.75/1  
hat on response variable

max 2 sig digits (after decimal) on coefs

7. Plots:

0.75/1  
label size (not too small)

informative captions

placement

explanations

0.5/1  
8. Conclusions

1. recap analysis  
(+EDA)

2. state and interpret main findings  
use paragraphing, hard to follow as written  
not 'confirmed',  
not correct

0.5/1  
9. Overall presentation (clarity of explanations, appropriate citations / references) :

poor

satisfactory

good

excellent

10. Other comments:

A – no / incomplete / insufficient references

B – cite PRIMARY refs (not course notes, not wikipedia, etc.)

C – interpretation (cannot conclude causation, only association)

D – use your OWN WORDS / no apparently unattributed quotations

E – Intro: 1. Give context; 2. Clearly state scientific question; 3. Describe data

F – univariate graphical: histograms not boxplots

G – (mathematical) model misspecified / unclear

H – clearly EXPLAIN / INTERPRET PLOTS (don't just state conclusions)

I – plot size / aspect ratio (make 'pretty')

Other:

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2.5/4



surv: Name

GJ

7.25/12 →

3.625/6

## 1. Formatting:

all margins 2.5cm

12 pt size

no raw R code or output

max 10 pages

(not 'influence')  
informative title

name on all pages

all pages numbered

no blurry plots (NOT png)

## 2. Introduction/Background:

0.5/ brief background and statement of scientific question

not explicit + imprecise

all variables defined

## 3. EDA:

12.5/2 univariate numerical

univariate graphical

cross tabs  
bivariate numerical (cor)

(bivariate graphical) OK

## 4. Model fitting:

1/2 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)

mathematically

interpretation: not 'influence'

state how model fitted (ie, maximum partial likelihood)

(not + e)  
CLEARLY describe how model selected

what test?

define all terms

## 5. Model assessment:

0.75/2 CLEARLY state Cox PH assumptions: + give PRIMARY references

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

carry out assessment (graphics / tests) and EXPLAIN:

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

unclear  
first explain plots  
then interpret  
then conclude

4.5/8

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

hat on *response* variable

max **2 sig digits** (after decimal) on coefs

7. Plots:

label size (not too small)

*no legend KM*  
informative captions

placement

explanations

8. Conclusions

1. recap analysis  
*+EDA*

2. state and interpret main findings  
*not entirely correct*

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

poor

satisfactory

good

excellent

10. Other comments:

A – no / incomplete / insufficient references

B – cite PRIMARY refs (not course notes, not wikipedia, etc.)

C – interpretation (cannot conclude causation, only association)

D – use your OWN WORDS / no apparently unattributed quotations

E – Intro: 1. Give context; 2. Clearly state scientific question; 3. Describe data

F – univariate graphical: histograms not boxplots

G – (mathematical) model misspecified / unclear

H – clearly EXPLAIN / INTERPRET PLOTS (don't just state conclusions)

I – plot size / aspect ratio (make 'pretty')

Other: somewhat unclear + incomplete explanations

2.75/4



surv: Name

SS

8.5/12 →

4.25/6

## 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 background and statement of scientific question

all variables defined

## 3. EDA:

univariate numerical

bivariate numerical (cor)

univariate graphical

bivariate graphical

## 4. Model fitting:

put results in a table  
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: + give PRIMARY references

1. hazards are proportional

2. linear form for covariates

3. no outliers

carry out assessment (graphics / tests) and EXPLAIN:

Schoenfeld residuals (PH assumption)

Martingale residuals (linear form for continuous variables)

Deviance residuals (to identify outliers)

First explain plots  
then interpret  
then conclude

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

**hat** on *response* variable

max **2 sig digits** (after decimal) on coefs

7. Plots:

label size (not too small)

informative captions

placement

explanations

8. Conclusions

1. recap analysis

2. state and interpret main findings

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

poor

satisfactory

good

excellent

10. Other comments:

A – no / incomplete / insufficient references

B – cite **PRIMARY** refs (not course notes, not wikipedia, etc.)

C – interpretation (cannot conclude causation, only association)

D – use your **OWN WORDS** / no apparently unattributed quotations

E – Intro: **1.** Give context; **2.** Clearly state scientific question; **3.** Describe data

F – univariate graphical: histograms not boxplots

G – (mathematical) model misspecified / unclear

H – clearly **EXPLAIN** / **INTERPRET PLOTS** (don't just state conclusions)

I – plot size / aspect ratio (make 'pretty')

Other:

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2.75/4



surv: Name

JJ-G

7.5/12 →

3.75/6

## 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 background and 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) - put results in a table

state how model fitted (ie, maximum partial likelihood)

**CLEARLY** describe how model selected

**define all terms**

## 5. Model assessment:

**CLEARLY** state Cox PH assumptions: + give **PRIMARY** references

1. hazards are proportional

2. linear form for covariates

3. no outliers

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

Schoenfeld residuals (PH assumption)

Martingale residuals (linear form for continuous variables)

Deviance residuals (to identify outliers)

First explain plots, then interpret then conclude

5.5/8

0.25/1 6. Write out final *estimated* model **mathematically**

**hat** on response variable

max 2 sig digits (after decimal) on coefs

0.5/1 7. Plots:

Bar charts

**NO PIE CHARTS**

label size (not too small)

informative captions

placement

explanations

0.25/1 8. Conclusions

1. recap analysis

2. state and interpret main findings

0.5/1 9. Overall presentation (clarity of explanations, appropriate citations / references):

poor

satisfactory

good

excellent

10. Other comments:

A – no / incomplete / insufficient references

B – cite PRIMARY refs (not course notes, not wikipedia, etc.)

C – interpretation (cannot conclude causation, only association)

D – use your OWN WORDS / no apparently unattributed quotations

E – Intro: 1. Give context; 2. Clearly state scientific question; 3. Describe data

F – univariate graphical: histograms not boxplots

G – (mathematical) model misspecified / unclear

H – clearly EXPLAIN / INTERPRET PLOTS (don't just state conclusions)

I – plot size / aspect ratio (make 'pretty')

Other: - use single column format

- please follow logic as outlined in these  
evaluation criteria - don't separate  
methods and results



⊛ Don't need to re-do

surv: Name

GK

11/12

~~5.5/6~~

6/6

## 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 background and 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: + give **PRIMARY** references

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

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

Schoenfeld residuals (PH assumption)

Martingale residuals (linear form for continuous variables)

Deviance residuals (to identify outliers)

very good

7.5/8

1/1 6. Write out final *estimated* model **mathematically**

**hat** on *response* variable

max **2 sig digits** (after decimal) on coefs

0.75/1 7. Plots:

label size (not too small)

informative captions

placement

explanations

8. Conclusions

1. recap analysis

2. state and interpret main findings

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

poor

satisfactory

good

excellent

10. Other comments:

A – no / incomplete / insufficient references

B – cite PRIMARY refs (not course notes, not wikipedia, etc.)

C – interpretation (cannot conclude causation, only association)

D – use your OWN WORDS / no apparently unattributed quotations

E – Intro: 1. Give context; 2. Clearly state scientific question; 3. Describe data

F – univariate graphical: histograms not boxplots

G – (mathematical) model misspecified / unclear

H – clearly EXPLAIN / INTERPRET PLOTS (don't just state conclusions)

I – plot size / aspect ratio (make 'pretty')

Other:

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3.5/4



surv: Name \_\_\_\_\_

IK

6.75/12 → 3.325/6

## 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 background and statement of scientific question

all variables defined

## 3. EDA:

univariate numerical

bivariate numerical (cor)

univariate graphical

bivariate graphical *all pairs*

## 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: + give **PRIMARY** references

1. hazards are proportional

2. linear form for covariates

3. no outliers

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

Schoenfeld residuals (PH assumption)

Martingale residuals (linear form for continuous variables)

Deviance residuals (to identify outliers)

*First explain plots then interpret then conclude*

4.5/8

0.75/1 6. Write out final *estimated* model **mathematically**

hat on *response* variable

max **2 sig digits** (after decimal) on coefs

0.75/1 7. Plots:

label size (not too small)

informative captions

placement

explanations

0.25/1 8. Conclusions

1. recap analysis

2. state and interpret main findings  
*not 'confirming' validity*

0.5/1 9. Overall presentation (clarity of explanations, appropriate citations / references):

poor

satisfactory

good

excellent

10. Other comments:

A – no / incomplete / insufficient references

B – cite PRIMARY refs (not course notes, not wikipedia, etc.)

C – interpretation (cannot conclude causation, only association)

D – use your OWN WORDS / no apparently unattributed quotations

E – Intro: 1. Give context; 2. Clearly state scientific question; 3. Describe data

F – univariate graphical: histograms not boxplots

G – (mathematical) model misspecified / unclear

H – clearly EXPLAIN / INTERPRET PLOTS (don't just state conclusions)

I – plot size / aspect ratio (make 'pretty')

Other:

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2.25/4