

good job !!

Ⓡ Don't need to re-do

R1: Group 41 10.25/12 → 5.125/6 → 6/6

1. Formatting:

- all margins 2.5cm
- informative title
- 12 pt size
- member names on all pgs
- no raw R code or output**
- all pages numbered
- max 7 pages
- no blurry plots (**NOT png**)
- too many digits

2. Introduction/Background:

- brief statement of scientific question
- all variables defined

3. EDA:

- univariate numerical
- bivariate numerical (cor)
- SQUARE QQ
- univariate graphical
- bivariate graphical

4. Model fitting:

- state how model fitted (ie, LS)
- CLEARLY describe how model selected
- define all terms AIC / R² / R²_{adj}

5. Model assessment:

- CLEARLY state model assumptions:
 - errors have mean 0
 - errors are homoscedastic (same variance)
 - errors are uncorrelated
 - errors are normally distributed

carry out assessment (graphics):
 qq normal plot of residuals, - SQUARE
 residuals vs. fitted (reference line → not diagonal)

clearly interpret / explain plots
 - Define Cook's

6/7.75

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

hat on response variable

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. Language quality:

poor

satisfactory

good

excellent

10. Other comments:

4.25/4.25

R1: Group _____

82

8/12 →

4/6

1. Formatting:

all margins 2.5cm

informative title

12 pt size

member names on all pgs

no raw R code or output

all pages numbered

max 7 pages

no blurry plots (NOT png)

0.75 / 0.75

2. Introduction/Background:

brief statement of scientific question (+ context)

all variables defined

0.75 / 1

3. EDA:

univariate numerical

bivariate numerical (cor)

univariate graphical

bivariate graphical

all pairs

0.5 / 2

4. Model fitting:

state how model fitted (ie, LS)

CLEARLY describe how model selected

define all terms

Table notation unclear / AIC forward etc

5. Model assessment:

CLEARLY state model assumptions:

1. errors have mean 0
2. errors are homoscedastic (same variance)
3. errors are uncorrelated
4. errors are normally distributed

→ be specific

1/2

square plots

carry out assessment (graphics):
qq normal plot of residuals,
residuals vs. fitted

clearly interpret/
explain plots

* Results:

~~Var~~ ~~Coef~~ ~~SE~~ ~~z p~~

int
v1
i

4.25 / 7.75

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

hat on response variable

max **2 sig digits** on coefs

7. Plots:

label size (not too small)

captions

placement

NOT BLURRY

8. Conclusions

recap analysis

⊛ interpretation
state main findings
(not confirmed)

9. Language quality:

poor

satisfactory

good

excellent

10. Other comments:

- Figure 2 - Square plots

- Don't need Table 4

- no refs

- add structure by using paragraphing

⊛ cannot conclude causation, only association

3.75/4.25

good jobs !! ☺ Don't need to re-do

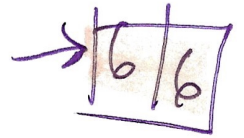
GLM: Name

BAr

10.75 / 12 → 5.375 / 6

Warp breaks

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

Context, then

all variables defined

3. EDA:

univariate numerical

bivariate numerical (cor)

univariate graphical

bivariate graphical

4. Model fitting:

give mathematical definition of model

state how model fitted (ie, maximum likelihood)

CLEARLY describe how model selected

define all terms

5. Model assessment:

CLEARLY state model assumptions:

1. count outcome Poisson

2. independent obs

3. linear relation between log count and linear predictor

4. conditional mean = conditional variance

carry out assessment (numerical / graphics):

scatterplots (linearity assumption)

(+explain)

0.75 / 0.75

0.75 / 1

2 / 2

2 / 2

1.5 / 2

7 / 7.75

0.75/1

write in terms of $\log y$

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

hat on response variable
(ok if coefs in table)

max **2 sig digits** on coefs

1.25/1.25

7. Plots:

label size (not too small)

captions

placement

NOT BLURRY

0.5/1

8. Conclusions

use paragraphing
more explicitly
recap analysis

be specific
state main findings

1.25/1

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

poor

satisfactory

good

excellent

10. Other comments:

3.75/4.25

surv: Name _____

M Bl Go

8.5/12 → 4.25/6

Channing
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

① Context
②

all variables defined

3. EDA:

univariate numerical

bivariate numerical (cor)

univariate graphical

bivariate graphical

Don't need boxplots
square QQ

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

5. Model assessment:

not validated

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)

0.75/0.75

0.75/1

1.5/2

1.25/2

1.25

5.5/7.75

0.75/1

write inline

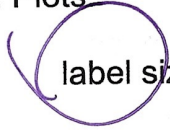
6. Write out final estimated model **mathematically**

hat on response variable
(ok if coefs in table)

max 2 sig digits on coefs

0.75/1.25

7. Plots:



label size (not too small)

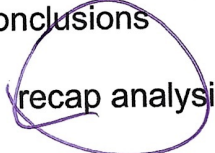
captions

placement

NOT BLURRY

0.5/1

8. Conclusions



recap analysis

not 'validated'

state main findings

- just barely misses sig $\alpha=0.$

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

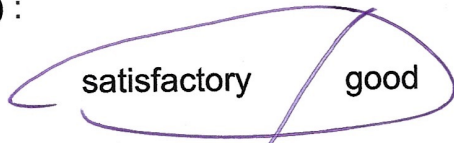
1/1

poor

satisfactory

good

excellent



10. Other comments:

- cite primary refs

- appendix doesn't seem necessary

3/4.25

GLM: Name _____

LDi

7.25/12

3.625/6

appearance
1 Formatting:

0.5 / 0.75

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:

1/1

brief statement of scientific question

all variables defined

3. EDA:

1.5/2

univariate numerical

(show as matrix)
bivariate numerical (cor)

univariate graphical

bivariate graphical

4. Model fitting:

hist, not boxplots
no ^

all pairs Y vs X

1.25/2

give mathematical definition of model

not completely correct

state how model fitted (ie, maximum likelihood)

CLEARLY describe how model selected

define all terms AIC

5. Model assessment:

not done?

0/2

CLEARLY state model assumptions:

- 1. count outcome Poisson
- 2. independent obs
- 3. linear relation between log count and linear predictor
- 4. conditional mean = conditional variance

carry out assessment (numerical / graphics):
scatterplots (linearity assumption)

4.25/7.75

0.75 /

log₂

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

hat on response variable
(ok if coefs in table)

max **2 sig digits** on coefs

0.75 / 1.25

7. Plots:

label size (not too small)

captions

placement

NOT BLURRY

0.5 /

8. Conclusions

recap analysis

not 'validate'

state main findings

⊗ interpretation

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

poor

satisfactory

good

excellent

10. Other comments:

- use primary refs

⊗ cannot conclude causation, only association

3/4.25

good job!!

* Don't need to re-do

GWAS: Name

N Fr

10/12 → 5/6 →

6	6
---	---

1. Formatting:

0.75/0.75

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:

1/1

brief statement of scientific question

all variables defined

3. PCA:

2/2

good

explain relation between PCs and population stratification

plot pc2 (y-axis) vs pc1 (x-axis)

4. Pre-processing / QC steps:

1.25/2

SNP QC: criteria and reasons

specifically + in your own words

sample QC: criteria and reasons

Hardy-Weinberg equilibrium: what it means and how it relates to quality

(Overall QC explanation)

explains

5. Association / post-association analysis:

Regress Y on X

Describe association analysis in words and mathematically

1.5/2

Manhattan plot

Define

lambda analysis (including SQUARE QQ-normal plots)

LD heatmap (optional – does NOT count); measure of LD

mathematically

6.5/7.75

0.75/1

6. Write out final estimated model **mathematically** (for a given SNP)

hat on response variable

MUST RELATE TO SNP

which allele?

1/1

7. Plots: (OK)

label size (not too small)

captions

placement

NOT BLURRY

0.5/1

8. Conclusions

recap analysis

* not 'confirmed'
state main findings

1.25/1

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

poor

satisfactory

good

excellent

10. Other comments:

- give primary refs

* cannot conclude causation, only association

re-latex to get rid of Figure [??]

3.5/4.25

Comments

Name: NFr

Reed

00 - informative title

A - eda

B - PCA + explain

C - define and explain HWE

D - define and explain HWE test

E - define λ

F - define LD measure

G - explain association test

H - write out final model mathematically

I - Manhattan plot (and explanation)

J - identify significant markers

K - square QQ plots

L - fix blurry plots (use jpeg or pdf, NOT png)

M - interpret conclusions (ok)

N - **no raw R**

O – plot labels too small

P – plot size (see text)

Q – plot layout (see text)

R – overall organization and explanation of procedure

S – other:

very good!!
u

good job !!

Don't need to re-do

surv: Name

L Gro

11/12 → 5.5/6 →

6/6

1. Formatting:

0.75 / 0.75

all margins 2.5cm

informative title

12 pt size

name on all pages

(no raw R code or output)

max 10 pages

no blurry plots (NOT png)

R formulas in tables

2. Introduction/Background:

1/1

brief statement of scientific question

all variables defined

3. EDA:

2/2

univariate numerical

bivariate numerical (cor)

univariate graphical

bivariate graphical

4. Model fitting:

1.5 / 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)

state how model fitted (ie, maximum partial likelihood)

CLEARLY describe how model selected

define all terms

AIC

5. Model assessment:

not 'validated'

CLEARLY state Cox PH assumptions:

1.75 / 2

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)

7 / 7.75

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

use paragraphing
+ explicit EDA
recap analysis

state main findings

* careful: interpretation

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

poor

satisfactory

good

excellent

10. Other comments:

+ primary refs

* careful: cannot conclude causation, only association

9/4.25

good job!!

⊕ Don't need to re-do

logistic: Name

HH

10/12 → 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 statement of scientific question

(E) (- too many digits)

all variables defined

3. EDA:

univariate numerical

bivariate numerical (cor)

univariate graphical

bivariate graphical

4. Model fitting:

give mathematical definition of model - why two times?

state how model fitted (ie, maximum likelihood)

CLEARLY describe how model selected

define all terms AIC

5. Model assessment:

not 'confirm'

CLEARLY state model assumptions: + give PRIMARY reference

1. binary outcome

2. independent obs - 4.2?

3. linear relation between logit and linear predictor

4. no multicollinearity 5. no outliers (6. large sample size) - 4.4?

carry out assessment (numerical / graphics):

scatterplots of logit vs. predictors (linearity assumption)

DEFINE -> Cook's distance / standardized residuals (outliers)

vif (to identify multicollinearity)

Define (carefully interpret plots) (H)

6.75 / 7.75

0.75 / 0.75

0.75 / 1

2/2

1.75 / 2

1.5 / 2

0.75/1

(y?)

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

hat on response variable
(ok if coefs in table)

max **2 sig digits** on coefs

0.5/

7. Plots:

label size (not too small)

captions

placement

Blank space

NOT BLURRY

0.75/

8. Conclusions

recap analysis

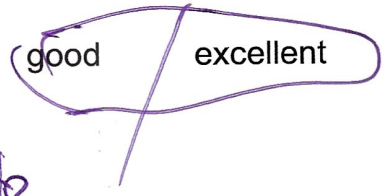
(be specific)
state main findings

1.25/

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

poor

satisfactory



10. Other comments:

A
B

A - no refs *incomplete*

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

C - interpretation: cannot conclude causation, only association

D - use your **OWN WORDS** / 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')

$\$ < \$$

3.25/4.25

GWAS: Name

M.I

9.5/12 → 4.75/6

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 statement of scientific question

all variables defined

3. PCA:

explain relation between PCs and population stratification

plot pc2 (y-axis) vs pc1 (x-axis)

4. Pre-processing / QC steps:

SNP QC: criteria and reasons

sample QC: criteria and reasons

Hardy-Weinberg equilibrium: what it means and how it relates to quality

(Overall QC explanation)

5. Association / post-association analysis:

Describe association analysis in words and mathematically

Manhattan plot

lambda analysis (including **SQUARE** QQ-normal plots)

LD heatmap (optional – does NOT count); measure of LD

0.75/0.75

1/1

1.25/2

1.25/2

1.5/2

5.75/7.75

(0.6)

(no blurry plots (NOT png))

explain clearly

explain

Regress Y on X

(lambda analysis)

6. Write out final estimated model **mathematically** (for a given SNP)

hat on response variable

MUST RELATE TO SNP

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:

- use your own words/sources - much of your work seems to contain unattributed quotes

3.75

Comments

Name: MI

Read
00 - informative title

A - eda - *missing histogram, not boxplot*

B - PCA + explain

C - define and explain HWE

D - define and explain HWE **test**

E - define λ

F - define LD measure

G - explain association test

H - write out final model mathematically

I - Manhattan plot (and explanation)

J - identify significant markers

K - square QQ plots

L - fix blurry plots (use jpeg or pdf, NOT png)

M - interpret conclusions

N - **no raw R**

O – plot labels too small

P – plot size (see text)

Q – plot layout (see text)

R – overall organization and explanation of procedure

(S) – other:

- define all terms (minor allele, etc)

surv: Name B M-DditD 8.5/12 → 4.25/6

1. Formatting:

0.75/0.75

- 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)

4/1

2. Introduction/Background: (OK)

- brief statement of scientific question
- all variables defined

3. EDA:

1/2

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

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)

→ first write model mathematically, then estimate *mathematically*

CLEARLY describe how model selected

define all terms AIC / BIC / Forward / Backward

5. Model assessment:

CLEARLY state Cox PH assumptions:

1.5/2

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)

5.25/7.75

Careful - interpretation of plots

0.75/1

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

hat on response variable
(ok if coefs in table)

max **2 sig digits** on coefs

0.75/1.25

7. Plots:

label size (not too small)

captions

placement

NOT BLURRY

0.75/1

8. Conclusions

recap analysis

(+EDA explicitly)

state main findings

1/1

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

poor

satisfactory

good

excellent

10. Other comments:

3.25/4.25

GWAS: Name

VRi

8.5/12 → 4.25/6

1. Formatting:

0.75 / 0.75

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)

1/1

2. Introduction/Background:

brief statement of scientific question

all variables defined

3. PCA: Too many figures p.8

1.25 / 2

explain relation between PCs and population stratification

plot pc2 (y-axis) vs pc1 (x-axis)

4. Pre-processing / QC steps:

1.25

SNP QC: criteria and reasons

sample QC: criteria and reasons

explain clearly

→ explain

Hardy-Weinberg equilibrium: what it means and how it relates to quality

Overall QC explanation

(not 'ensures')

5. Association / post-association analysis:

1/2

Describe association analysis in words and mathematically

K, snp, sex not defined

Manhattan plot - explain

lambda analysis (including SQUARE QQ-normal plots)

LD heatmap (optional - does NOT count); measure of LD

- Bonferroni corrects for mult testing (FWER) so don't really need BH

5.25 / 7.75

0.75/1

logit \hat{p} not logit (\hat{p})

6. Write out final estimated model **mathematically** (for a given SNP)

hat on response variable MUST RELATE TO SNP

0.75/1.25

7. Plots:

label size (not too small)
placement

captions
NOT BLURRY

0.75/1

8. Conclusions

recap analysis *use paragraphing* not 'ensured' state main findings
**interpretation*

1/1

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

poor ~~satisfactory~~ good excellent

10. Other comments:

- use paragraphing
- cite primary sources (+ tutorial)
- Table of Top Sig results
- * Cannot conclude causation, only association

3.25/4.25

Comments

Name: VRi

00 - informative title

(A) - eda *hist*s not *boxplots*

(B) - PCA + explain

(C) - define and explain HWE + *how it relates to quality*

(D) - define and explain HWE test

(E) - define λ

(F) - define LD measure

(G) - explain association test

H - write out final model mathematically

(I) - Manhattan plot (and explanation)

(J) - identify significant markers

(K) - square QQ plots

(L) - fix blurry plots (use jpeg or pdf, NOT png)

(M) - interpret conclusions

N - **no raw R**

*define k_i , snp,
sex*

O – plot labels too small

P – plot size (see text)

Q – plot layout (see text)

R – overall organization and explanation of procedure

S – other:

surv: Name

E Sed

9.75/12 →

11.875/6

1. Formatting:

Kidney

0.75 / 0.75

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:

0.75 / 1

+ Context

brief statement of scientific question

all variables defined

3. EDA:

2 / 2

univariate numerical

bivariate numerical (cor)

univariate graphical

bivariate graphical

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)

first write Cox model mathematically state how model fitted (ie, maximum partial likelihood)

mathematically

CLEARLY describe how model selected

define all terms

5. Model assessment:

CLEARLY state Cox PH assumptions:

1.75 / 2

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)

6.25 / 7.75

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

hat on response variable
(ok if coeffs in table)

max 2 sig digits on coeffs

7. Plots:

label size (not too small)

captions

placement

NOT BLURRY

8. Conclusions

recap analysis

* interpretation
state main findings

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

poor

satisfactory

good

excellent

10. Other comments:

+ primary refs

* cannot conclude causation, only association

GWAS: Name

JSO

7.25/12 → 3.625/6

1. Formatting:

0.75
0.75

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:

0.75/1

expand

brief statement of scientific question

all variables defined

3. PCA:

1/2

explanation incorrect

explain relation between PCs and population stratification

plot pc2 (y-axis) vs pc1 (x-axis)

4. Pre-processing / QC steps:

0.75/2

SNP QC: criteria and reasons

explain clearly

sample QC: criteria and reasons

Hardy-Weinberg equilibrium: what it means and how it relates to quality

Overall QC explanation

incomplete explain

5. Association / post-association analysis:

1/2

Describe association analysis in words and mathematically

snp / sex not defined

Manhattan plot - precise explanation

lambda analysis (including SQUARE QQ-normal plots)

LD heatmap (optional - does NOT count); measure of LD

4.25/7.75

logit p

0.75 / 1

6. Write out final estimated model **mathematically** (for a given SNP)

hat on response variable

MUST RELATE TO SNP

not defined

0.75 / 1.25

7. Plots:

label size (not too small)

captions

placement

NOT BLURRY

0.75 / 1

8. Conclusions

recap analysis

clarify

Somewhat unclear / state main findings

imprecise

0.75 / 1

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

poor

satisfactory

good

excellent

10. Other comments:

- Don't need cover page / EPFL logo / class name

- Don't need file descriptions

- Don't need figure 4

- refs incomplete

- why figures 6 & 7?

3/4.25

Comments

Name: JS

00 - ^{log}informative title

A - eda

B - PCA + explain

C - define and explain HWE

D - define and explain HWE test *df?*

E - define λ

F - define LD measure

G - explain association test

H - write out final model mathematically *define emp. sex*

I - Manhattan plot (and explanation)

J - identify significant markers

K - square QQ plots

L - fix blurry plots (use jpeg or pdf, NOT png)

M - interpret conclusions

N - **no raw R**

O - plot labels too small

P - plot size (see text)

Q - plot layout (see text)

R - overall organization and explanation of procedure

S - other:

logistic: Name

N.Tur

9.5/12 → 4.75/6

LMR
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:

give mathematical definition of model

state how model fitted (ie, maximum likelihood)

CLEARLY describe how model selected

Don't need R fns

define all terms

5. Model assessment:

CLEARLY state model assumptions: + give PRIMARY reference

1. binary outcome

2. independent obs

3. linear relation between logit and linear predictor

4. no multicollinearity 5. no outliers (6. large sample size)

carry out assessment (numerical / graphics):

scatterplots of logit vs. predictors (linearity assumption)

DEFINE -> Cook's distance / standardized residuals (outliers)

vif (to identify multicollinearity)

Define carefully interpret plots

6-25/7.75

0.75/0.75

1.25/2

1.75

1.5/2

(A)

(B)

0.75/

in terms of *logit*
6. Write out final estimated model **mathematically**

hat on response variable
(ok if coefs in table)

max 2 sig digits on coefs

0.75/ 1.25

7. Plots:

label size (not too small)

captions

placement

NOT BLURRY

0.75/

8. Conclusions

+EDA
recap analysis

use paragraphing

state main findings

not 'validated'

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

poor

satisfactory

good

excellent

10. Other comments:

A – no refs

incomplete

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

C – interpretation: cannot conclude causation, only association

D – use your **OWN WORDS** / 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')

3.25/4.25