

logistic: Name _____

Ia Ra

8.75/12 → 4.375/6

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)

2. Introduction/Background:

brief background and statement of scientific question

imprecise

re-arrange plots and/or move to
an appendix

all variables defined

3. EDA:

univariate numerical

bivariate numerical (cor)

univariate graphical

bivariate graphical

+ pairs plots

4. Model fitting:

give mathematical definition of model

state how model fitted (ie, maximum likelihood)

seems strange to end
section with log-like

CLEARLY describe how model selected

stepwise

define all terms

results Table?

5. Model assessment:

not 'verify'

CLEARLY state model assumptions: + give PRIMARY references

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)

+ explanations

6 | 8

(ok) ~~log~~ P

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

hat on response variable

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

6.25

7. Plots:

label size (not too small)

informative captions

placement - *Figure 1:*

explanations



8. Conclusions

1. recap analysis

2. state and interpret main findings

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

B *Careful interpretations*

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: [You could say more about how model relates, but not strictly necessary]

2.75 / 4

logistic: Name Je Ra

8.75/12 → 4.375/6

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))

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

*not Pearson + numeric
not just graphic*

4. Model fitting:

give mathematical definition of model

(in terms of logit)

state how model fitted (ie, maximum likelihood)

CLEARLY describe how model selected

explaining stepwise

define all terms

AIC / test set (+ selection)

5. Model assessment:

*not 'ensure validity'
not 'verify'*

CLEARLY state model assumptions: + give **PRIMARY** references

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

5.75/8

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

hat on response variable

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

7. Plots:

label size (not too small)
placement

informative captions
explanations

8. Conclusions

1. recap analysis

be specific
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:

⑦ Don't need to re-do

logistic: Name _____

FeRo

10.5/12

→ 5.25/6

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:

0.75/1 brief background and statement of scientific question

imprecise

all variables defined

3. EDA:

2/2 univariate numerical

bivariate numerical (cor)

univariate graphical

bivariate graphical

4. Model fitting:

1.75/2 give mathematical definition of model

state how model fitted (ie, maximum likelihood)

CLEARLY describe how model selected

define all terms

Performance metrics

5. Model assessment:

CLEARLY state model assumptions: + give **PRIMARY** references

incomplete

- 1.5/2
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)

don't need to do for categorical vars

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

vif (to identify multicollinearity)

Define

7/8

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

~~hat~~ on response variable

max 2 sig digits (after decimal) on coeffs

7. Plots:

+ some small plots

~~label size (not too small)~~
~~placement~~

informative captions
explanations

8. Conclusions

1. recap analysis

~~be specific~~
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:

logistic: Name AnSa

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: - write out words

univariate numerical

univariate graphical

bivariate numerical (cor)

bivariate graphical

incomplete - put all plots + tables in an appendix

4. Model fitting:

give mathematical definition of model

state how model fitted (ie, maximum likelihood)

CLEARLY describe how model selected

define all terms

AIC, LRT

- Results incomplete + $\hat{\beta}$

$f(x) = \text{linear predictor}$ / p
not 'tries to' logit $\frac{p}{1-p}$

- specify LRTs mathematically

5. Model assessment:

CLEARLY state model assumptions: + give **PRIMARY** references

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)
not cook

vif (to identify multicollinearity)

(square QQ)

5.25/8

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

hat on response variable max **2 sig digits** (after decimal) on coeffs

7. Plots: *(some plots too big)*

label size (not too small) informative captions

placement explanations

0.25
8. Conclusions

1. recap analysis
+ *EDA*

be specific not correct
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:

logistic: Name _____

JaSa 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)

(too many digits)

2. Introduction/Background:

brief background and statement of scientific question

imprecise

all variables defined

3. EDA:

Don't need Figure 2

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: + give PRIMARY references

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)

(numerical
only)

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

vif (to identify multicollinearity)

Define

+ Define all performance measures

6.25/8

(OK) ~~log P~~

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

hat on response variable

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

7. Plots:

label size (not too small)
placement

informative captions
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:

3.28/4

logistic: Name _____

FeSa-Sc 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

4. Model fitting:

give mathematical definition of model

state how model fitted (ie, maximum likelihood)

CLEARLY describe how model selected

describe entire procedure

define all terms

AIC, LR + + all 'pseudo' measures

5. Model assessment:

CLEARLY state model assumptions: + give **PRIMARY** references
+ explain, THEN assess

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)

(+ explanations)

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

vif (to identify multicollinearity)

Define

5.5/8

0.5/
equation

6. Write out final estimated model mathematically

hat on response variable

max 2 sig digits (after decimal) on coeffs

7. Plots:

label size (not too small)

informative captions

placement

explanations

8. Conclusions

1. recap analysis

be specific
not correct
2. state and interpret main findings
spell check

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:

2.5/4

logistic: Name _____

He Sc

8.75 / 12 → 4.375 / 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**)

2. Introduction/Background:

unclear
brief background and 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

define all terms

This procedure does
not seem particularly
reproducible

5. Model assessment:

CLEARLY state model assumptions: + give **PRIMARY** references

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

6. 25 / 8

0.75 / 1 / log 1-p
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

0.5 / 1 / 8. Conclusions

1. recap analysis

be specific, clearly
2. state and interpret main findings

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

0.5 / 1 / poor

satisfactory

good

excellent

0.5 / 1 / 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:

1. Formatting:

all margins 2.5cm

12 pt size

no raw R code or outputmax **10** pages*Don't need contents*

informative title

name on all pages

all pages numbered

no blurry plots (**NOT** png)*- too many digits
imprecise*

2. Introduction/Background:

brief background and statement of scientific question

all variables defined

3. EDA: *All vars*

univariate numerical

bivariate numerical (cor)

univariate graphical

bivariate graphical - all pairs

4. Model fitting:

give mathematical definition of model

state how model fitted (ie, maximum likelihood)

CLEARLY describe how model selected**define all terms***AIC, LRT, deviances*

5. Model assessment:

CLEARLY state model assumptions: + give **PRIMARY** references

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**clear
+ explanations*

(OK)

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

hat on response variable

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

7. Plots:

label size (not too small)
placement

informative captions
explanations

8. Conclusions

1. recap analysis

2. state and interpret main findings

9. Overall presentation (clarity of explanations, appropriate citations / references) : *be specific* + R output

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 to re-do

logistic: Name Ja So

11/12 \rightarrow ~~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

Dont need R details

max **10** pages

no blurry plots (NOT png)

0.75/ 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 (*square*)

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: + give **PRIMARY** references

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)

(use more paragraphs)

Define grif

7.5/8

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

hat on response variable

max 2 sig digits (after decimal) on coeffs

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:

logistic: Name _____

La So

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**)

- too many digits
imprecise

2. Introduction/Background:

brief background and statement of scientific question

all variables defined

3. EDA: *results not in logical order*

univariate numerical

bivariate numerical (cor)

univariate graphical

bivariate graphical

pairs plots

4. Model fitting:

give mathematical definition of model

no ^

state how model fitted (ie, maximum likelihood)

(**CLEARLY**) describe how model selected

not 'significantly'

define all terms

AIC, + incorrect interpretation
LRT, of coef Deviances

5. Model assessment:

CLEARLY state model assumptions: + give **PRIMARY** references

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

4.75/8

(ok) Log(GP)

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

hat on response variable

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

7. Plots:

label size (not too small)

informative captions

placement

explanations

8. Conclusions

1. recap analysis

not 'confirmed'

2. state and interpret main findings

not 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: - Table of missing values unnecessary

logistic: Name

MaSt

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:

give mathematical definition of model

state how model fitted (ie, maximum likelihood)

CLEARLY describe how model selected

stepwise

define all terms

Deviations

5. Model assessment:

not 'verify'

CLEARLY state model assumptions: + give **PRIMARY** references

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

6.25/8

- 0.75
6. Write out final estimated model **mathematically**
- Define y*
hat on response variable max 2 sig digits (after decimal) on coeffs
7. Plots:
- y* label size (not too small) informative captions
placement explanations
- 0.75
8. Conclusions
1. recap analysis
2. state and interpret main findings
- Be specific*
- 0.51
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: Write more in words/paragraphs,
not bullet points

logistic: Name _____

ThSt

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 background and statement of scientific question

all variables defined

3. EDA:

univariate numerical

bivariate numerical (cor) *not just graphic*

univariate graphical

bivariate graphical *all pairs*

4. Model fitting:

I don't understand Table 2: why not fed
use paragraphing give mathematical definition of model for model? Is it
because all < 0.05

state how model fitted (ie, maximum likelihood)

CLEARLY describe how model selected

define all terms

Table 3: incomplete + $\hat{\beta} / e^{\hat{\beta}}$ arbitrary?

5. Model assessment:

CLEARLY state model assumptions: + give **PRIMARY** references

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

6/8

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

hat on response variable max **2 sig digits** (after decimal) on coeffs

7. Plots:

label size (not too small) informative captions

placement explanations

0.75
8. Conclusions

1. recap analysis

2. state and interpret main findings
be specific

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')

Other:

logistic: Name _____

SaTa

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**)

2. Introduction/Background:

brief background and statement of scientific question

not correct + imprecise

all variables defined

3. EDA:

univariate numerical

bivariate numerical (cor)

univariate graphical

bivariate graphical

all pairs

4. Model fitting:

give mathematical definition of model

not correct / define in terms of logit

state how model fitted (ie, maximum likelihood)

imprecise

CLEARLY describe how model selected

define all terms LRTs + which models/hyps are tested

Should not have 0.00 in results table

5. Model assessment:

CLEARLY state model assumptions: + give **PRIMARY** references

1. binary outcome
2. independent obs (not vars)
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)

+ explanations

DEFINE → Cook's distance / standardized residuals (outliers)

vif (to identify multicollinearity)

Define

5.25/8

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

✓ hat on response variable max **2 sig digits** (after decimal) on coeffs

7. Plots:

label size (not too small)
placement

informative captions
explanations

0.25 8. Conclusions

1. recap analysis

be specific not correct
2. state and interpret main findings

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

poor

satisfactory

good

excellent

many vague statements

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:

logistic: Name _____

ArTe

6/12 → 3/6

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
imprecise

2. Introduction/Background:

brief background and statement of scientific question

all variables defined

univariate numerical

bivariate numerical (cor)

univariate graphical

bivariate graphical

pairs

3. EDA:

mostly not done

4. Model fitting:

Don't need univariate

- First, BEFORE fitting

give mathematical definition of model

state how model fitted (ie, maximum likelihood)

CLEARLY describe how model selected

explain don't just state
procedure

define all terms

5. Model assessment:

évaluer pas 'vérifier'

CLEARLY state model assumptions: + give PRIMARY references

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

3.75 / 8

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

hat on response variable

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

7. Plots:

label size (not too small)

informative captions

placement

explanations

8. Conclusions

1. recap analysis

be specific 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:

logistic: Name _____

LoTs

6.25/12 → 3.125/6

1. Formatting:

all margins 2.5cm

informative title

0.25
12 pt size

no raw R code or output

name on all pages

max **10** pages

all pages numbered

no blurry plots (**NOT png**)

- too many digits
imprecise

0.25 2. Introduction/Background:

brief background and statement of scientific question

all variables defined

1.5/2 3. EDA:

univariate numerical

bivariate numerical (cor)

univariate graphical

bivariate graphical + all pairs

0.25 4. Model fitting:

give mathematical definition of model

(define in terms of logit)

state how model fitted (ie, maximum likelihood)

- Don't need R details

CLEARLY describe how model selected

stepwise

~~define all terms~~

AIC

0.25 5. Model assessment:

CLEARLY state model assumptions: + give **PRIMARY** references

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

Resids vs leverage
plot too big

(OK)

(Tough)

6. Write out final estimated model mathematically

hat on response variable

max 2 sig digits (after decimal) on coeffs

0.75
7. Plots:

Figure 1 too large

label size (not too small)

informative captions

placement

explanations

0 / 1
8. Conclusions

not done

1. recap analysis

2. state and interpret main findings

0.5
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:

logistic: Name

Yan Tu

9/12 → 4.5/6

1. Formatting:

all margins 2.5cm

informative title

12 pt size

) Throughout

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)
(too small)

univariate graphical

bivariate graphical

4. Model fitting:

give mathematical definition of model

no ↗

what measure for categorical?

state how model fitted (ie, maximum likelihood)

CLEARLY describe how model selected

explain, explicitly

define all terms

5. Model assessment:

CLEARLY state model assumptions: + give PRIMARY references

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)

+ explanations

6/8

~~0.75~~ (OK) ~~to fit~~ (which are baseline groups)

6. Write out final estimated model mathematically

hat on response variable

max 2 sig digits (after decimal) on coeffs

7. Plots:

~~0.75~~
label size (not too small)
placement

informative captions
explanations

8. Conclusions

1. recap analysis

2. state and interpret main findings *not 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:

logistic: Name _____

Q1e

8.5/12 → 4.25/6

1. Formatting:

all margins 2.5cm

informative title

12 pt size

name on all pages

p. 1

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:

Don't need hyp tests

Don't need Figure 3B

univariate numerical

bivariate numerical (cor)

univariate graphical

bivariate graphical

square QQ

4. Model fitting:

give mathematical definition of model

(not log-linear relationship
with log odds)

state how model fitted (ie, maximum likelihood)

CLEARLY describe how model selected

why these models

define all terms

AIC

5. Model assessment:

CLEARLY state model assumptions: + give **PRIMARY** references

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

+ explanations

5.75/8

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

hat on response variable

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

7. Plots:

label size (not too small)

informative captions

placement

explanations

8. Conclusions

1. recap analysis

be specific

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:

logistic: Name

Zo Yo

6.25 / 12 \Rightarrow 3.125 / 6

1. Formatting:

all margins 2.5cm

informative title

12 pt size

Throughout

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

square corr mat
+ too small to read

4. Model fitting:

give mathematical definition of model

First, before estimation

state how model fitted (ie, maximum likelihood)

CLEARLY describe how model selected

define all terms

AIC, Deviances, + other methods
(mathematically)

5. Model assessment:

unparagraphing, not 'ensure', what do you mean by,

CLEARLY state model assumptions: + give PRIMARY references

'accurate'

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)

- only numeric

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

vif (to identify multicollinearity)

Define + Define all performance metrics

4/8

(ok) ~~logit (p)~~

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

hat on response variable

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

0.5/

label size (not too small)

informative captions

placement

explanations

Figure not Fig.

8. Conclusions

0.75/ 1. recap analysis

be specific not correct

2. state and interpret main findings

0/1

9. Overall presentation (clarity of explanations, appropriate citations / references) : Use your own words throughout

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: *please re-write all copied/plagiarized sections
using your own words

2.25 | 4

logistic: Name _____

BeYa

7.5/12 \rightarrow 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

imprecise

all variables defined

3. EDA: *Don't need hyp tests / very incomplete*

univariate numerical

bivariate numerical (cor)

univariate graphical

all vars

bivariate graphical

pairs

4. Model fitting:

give mathematical definition of model

state how model fitted (ie, maximum likelihood)

CLEARLY describe how model selected

be specific

define all terms

AIC, Deviance

5. Model assessment:

'valid + reliable' means what?

1.25/2 **CLEARLY** state model assumptions: + give **PRIMARY** references

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 \rightarrow Cook's distance / standardized residuals (outliers)

yif (to identify multicollinearity)

Define

+ *Define all performance metrics*

4.75/8

1/1 (OK) Total

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)
placement

informative captions
explanations

0.5 / 1
8. Conclusions *vague*

1. recap analysis

be specific, imprecise
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:

2.75 / 4

logistic: Name _____

ZhYa 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**)

2. Introduction/Background:

brief background and statement of scientific question

all variables defined

Don't need hyp tests

3. EDA:

Figure 2: too big; Figure 3: stratified boxplots

univariate numerical

bivariate numerical (cor)

univariate graphical

bivariate graphical

4. Model fitting:

give mathematical definition of model

first, before fitting

state how model fitted (ie, maximum likelihood)

CLEARLY describe how model selected

not done?

define all terms

5. Model assessment:

not 'ensure'

CLEARLY state model assumptions: + give **PRIMARY** references

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)

+ explanations

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

vif (to identify multicollinearity)

Define

5.5 / 8

0.75/

6. Write out final estimated model mathematically

hat on response variable

max 2 sig digits (after decimal) on coeffs

7. Plots:

label size (not too small)
placement

informative captions

explanations

0.5/

8. Conclusions

1. recap analysis

be specific not 'confirmed'
2. state and interpret main findings
~~not completely 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:

2.5/4

logistic: Name

An Ze 8.75/12 → 4.375/6

1. Formatting:

all margins 2.5cm

informative title

12 pt size

throughout

name on all pages

no raw R code or output

all pages numbered

max **10** pages

no blurry plots (NOT png)

- too many digits
imprecise

2. Introduction/Background:

brief background and statement of scientific question

all variables defined

3. EDA:

univariate numerical

bivariate numerical (cor)

univariate graphical

bivariate graphical

not just graphic

4. Model fitting:

give mathematical definition of model

state how model fitted (ie, maximum likelihood)

(**CLEARLY** describe how model selected

incomplete

define all terms

5. Model assessment:

not 'ensure'

CLEARLY state model assumptions: + give **PRIMARY** references

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

+ explanation

6/8

0.35/1 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)
placement

informative captions
explanations

0.75/1 8. Conclusions

vague - 'valuable insights'?
be specific

1. recap analysis

2. state and interpret main findings

(implicit EDA)

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:

logistic: Name _____

Math

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

pairs

4. Model fitting:

give mathematical definition of model

state how model fitted (ie, maximum likelihood)

CLEARLY describe how model selected

- explain backward
(completely)

define all terms

5. Model assessment:

CLEARLY state model assumptions: + give **PRIMARY** references

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

5.75/8

(04) Log P

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

1 | hat on response variable

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

0.5 | 7. Plots:

Blank space p. 2

label size (not too small)

informative captions

placement

explanations

0.5 | 8. Conclusions

Vague

be specific
2. state and interpret main findings clearly

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:

logistic: Name _____

HuZh

6.25/12 → 3.125/6

1. Formatting:

all margins 2.5cm

informative title

12 pt size

name on all pages

0.75
no raw R code or output

all pages numbered

max **10** pages

no blurry plots (NOT png)

- too many digits

2. Introduction/Background:

0.5/
brief background and statement of scientific question

all variables defined

3. EDA:

1.5/
univariate numerical

bivariate numerical (cor)

univariate graphical

bivariate graphical

not boxplots

4. Model fitting:

1/2
give mathematical definition of model

state how model fitted (ie, maximum likelihood)

CLEARLY describe how model selected

define all terms

AIC / LRT - what are you testing, specifically?

5. Model assessment:

0.75
CLEARLY state model assumptions: + give PRIMARY references

1. binary outcome
2. independent obs
3. linear relation between logit and linear predictor
4. no multicollinearity
5. no outliers
- (6. large sample size)

2
carry out assessment (numerical / graphics):

+ explain plots, don't just conclude

scattered plots of logit vs. predictors (linearity assumption)

DEFINe → Cook's distance / standardized residuals (outliers)

hot cook's

vif (to identify multicollinearity)

4.5/8
Variance importance - do you mean variable importance? + not defined

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

hat on response variable

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

7. Plots:

0.75 label size (not too small)

informative captions

placement

explanations

0.25 8. Conclusions

1. recap analysis

be specific
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')

Other:

2.25/4

logistic: Name _____

RuZh

8.5/12 → 4.25/6

1. Formatting:

all margins 2.5cm

- too many digits
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

use paragraphing
imprecise

all variables defined

3. EDA:

univariate numerical

bivariate numerical (cor)

univariate graphical

bivariate graphical

4. Model fitting:

Square QQ
Define + interpret ORs

give mathematical definition of model

Put results in
a Table for
clarity

state how model fitted (ie, maximum likelihood)

CLEARLY describe how model selected *not done?*

define all terms

AIC, McFadden, Wald, variable importance

5. Model assessment:

not 'ensure'

CLEARLY state model assumptions: + give PRIMARY references

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

+ Define all performance metrics

(OK) ~~log(p)~~

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

hat on response variable

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

0.5

7. Plots:

+ many plots are too small

label size (not too small)

informative captions PC_K of 'Data'?

placement

explanations

PC₁ + PC₂ (not PC_A)

0.5/

8. Conclusions

(ok)
1. recap analysis

be specific

2. state and interpret main findings
not correct

0.5/

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

somewhat incomplete

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:

2.5/4

logistic: Name _____

T: 2h

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

unclear + imprecise

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

incomplete explanation

define all terms

5. Model assessment:

CLEARLY state model assumptions: + give **PRIMARY** references

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

5/8

(ok) ~~log(1-p)~~

6. Write out final estimated model mathematically

hat on response variable

max 2 sig digits (after decimal) on coeffs

7. Plots:

0.75/
1

label size (not too small)
placement

informative captions
explanations

0.5/
1

8. Conclusions

be specific 'robust'?

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:

2.75/4