discrete: Name 289583 8.75/12 → 4.375/6

conc

0.5/0.5 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 **7** pages	no blurry plots (**NOT png**)

good job!

0.5/0.5 2. Introduction/Background:

brief statement of scientific question

all variables defined

2/2 3. EDA:

cross-tabs mosaic plot

1.25/2 4. Testing independence:

give null and alt hyps mathematically

test stat mathematically and numerically → How to get expected numbers?

null dist of test statistic; p-value and conclusion → test stat is X^2, null dist is χ^2

(more correctly, it's a χ^2 dist with 1 df)

define all terms

1.5/2 5. CMH test:

Explain in words what you are testing

CLEARLY state null and alt hyps mathematically

test statistic (numerically)

null dist of test statistic; p-value and conclusion → p doesn't 'suggest' rej. H, we rej. H if $p<\alpha$

5.75 ASSUMPTION for valid p-value

(*) don't conclude 'gender plays a role', rather conclude gender is associated with conc. risk

(**) not 'gender influences concussions', gender associated with conc (and say which gender has higher risk)

0.75/1

6. Woolf test:

null, alt, test stat, null dist of test stat, p-value, conclusion

mathematically

1/1

7. Plots:

label size (not too small) captions

placement **NOT BLURRY**

0.5/1

8. Conclusions

recap analysis state main findings

interpretations not correct, see previous page

0.25/0.5

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

poor satisfactory good excellent

0.5/1

10. Other comments:

- need additional refs for methods
- see other comments
- need mathematical detail

3

discrete: Name 29578 AMS 8.75/12 → 4.375/6

1. Formatting:

all margins 2.5cm — informative title

0.5/0.5 12 pt size — name on all pages

no raw R code or output — all pages numbered

~~max 7 pages~~ ok — no blurry plots (**NOT png**)

good job!

0.5/0.5 2. Introduction/Background:

brief statement of scientific question

all variables defined

2/2 3. EDA: Exploratory (not 'Experimented')

cross-tabs — mosaic plot

1.5/2 4. Testing independence:

give null and alt hyps mathematically + how to calculate expected numbers

test stat mathematically and numerically

null dist of test statistic; p-value and conclusion

define all terms

1/2 5. CMH test:

Explain in words what you are testing

CLEARLY state null and alt hyps mathematically

test statistic (numerically)

null dist of test statistic; p-value and conclusion

ASSUMPTION for valid p-value

→ How do you adjust for headaches? What you are doing is not clear

5.5

0.5/1

6. Woolf test: - explain why carrying out this test mathematically

null, alt, test stat, null dist of test stat, p-value, conclusion

1/1

7. Plots:

label size (not too small) captions

placement **NOT BLURRY**

1/1.5

8. Conclusions

recap analysis state main findings good analysis!

0.25/1

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

poor satisfactory good excellent

0.5/1

10. Other comments:

- need references
- adjust pagination, there is a lot of blank space
- fix 'CMH' under Woolf tes (+ see other side)
- needs mathematical detail

3.25

discrete: Name 29512 6.75/12 → 3.375/6

Typhoid

1. Formatting: 0.5/0.5

all margins 2.5cm

12 pt size

no raw R code or output

~~max **7** pages~~ ok

informative title

name on all pages

all pages numbered

no blurry plots (**NOT png**)

2. Introduction/Background: 0.5/0.5

brief statement of scientific question

all variables defined

3. EDA: 2/2

cross-tabs

mosaic plot

4. Testing independence: 1/2

give null and alt hyps mathematically

test stat mathematically and numerically

null dist of test statistic; p-value and conclusion

define all terms

Test stat called X^2 (NOT χ^2)

How to get expected numbers?

5. CMH test: 0.75/2

Explain in words what you are testing

CLEARLY state null and alt hyps mathematically

test statistic (numerically)

null dist of test statistic; p-value and conclusion

ASSUMPTION for valid p-value

4.75

0.5/1

6. Woolf test: interpretation (no 3-way interaction)

null, alt, test stat, null dist of test stat, p-value, conclusion — mathematically

0.5/1

7. Plots:

label size (not too small) captions

placement **NOT BLURRY**

0.75/1.5

8. Conclusions — new paragraphs

recap analysis state main findings

0.25/0.5

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

poor satisfactory good excellent

0.5/1

10. Other comments:

- don't use footnotes, put refs at end
- Woolf test interp. incorrect

2

discrete: Name 299983 9.25/12 → 4.625/6

AMS

1. Formatting: 0.5/0.5

all margins 2.5cm — informative title

12 pt size — name on all pages

no raw R code or output — ~~all pages numbered~~

~~max 7 pages~~ ok — no blurry plots (**NOT png**)

good job!

0.5/0.5 2. Introduction/Background:

brief statement of scientific question

all variables defined

2/2 3. EDA:

cross-tabs — mosaic plot

1.5/2 4. Testing independence:

give null and alt hyps mathematically

test stat mathematically and numerically

null dist of test statistic; p-value and conclusion

define all terms

1.5/2 5. CMH test:

Explain in words what you are testing

CLEARLY state null and alt hyps mathematically

test statistic (numerically)

null dist of test statistic; p-value and conclusion

ASSUMPTION for valid p-value

6

0.5/1

6. Woolf test: pas nécessaire de faire des sous-sections, faire plutôt des paragraphes mathématiquement

null, alt, test stat, null dist of test stat, p-value, conclusion

0.5/1

7. Plots:

label size (not too small) captions

placement **NOT BLURRY**

1.25/1.5

8. Conclusions

recap analysis ✓ state main findings

0.25/0.5

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

poor satisfactory good excellent

0.75/1

10. Other comments:

- NO Table of contents
- interprétations des plot (section 6)
- trop de digits

3.25

discrete: Name 300212 5.25/12 → 2.625/6

Typhoid

1. Formatting:

0.5/0.5

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

0.5/0.5 2. Introduction/Background:

- brief statement of scientific question
- all variables defined

1.5/2 3. EDA:

- ✓ cross-tabs
- mosaic plot — make into 1 plot

0.75/2 4. Testing independence:

- give null and alt hyps mathematically
- test stat mathematically and numerically
- null dist of test statistic; p-value and conclusion
- define all terms [middle p. 4, fix 'i' (\$ne\$??)

0.25/2 5. CMH test:

- Explain in words what you are testing
- CLEARLY state null and alt hyps mathematically
- test statistic (numerically)
- null dist of test statistic; p-value and conclusion
- ASSUMPTION for valid p-value

put Figure 2 AFTER explanation, re-word caption, you are not displaying 'CMHTest'

3.5

0/1 6. Woolf test: not done

null, alt, test stat, null dist of test stat, p-value, conclusion

0.5/1 7. Plots:

label size (not too small) captions

placement **NOT BLURRY**

0.5/1.5 8. Conclusions

recap analysis state main findings (explain more)

0.25/0.5 9. Overall presentation (clarity of explanations, appropriate citations / references) :

poor satisfactory good excellent

0.5/1 10. Other comments:

- need references

- you need more mathematical detail

1.75

discrete: Name 30067 12/12 → 6/6

1. Formatting: wage (+ Don't need to re-do)

all margins 2.5cm — informative title

0.5/0.5 12 pt size — name on all pages

no raw R code or output — all pages numbered

max **7** pages — no blurry plots (**NOT png**)

:) great job!

0.5/0.5 2. Introduction/Background:

brief statement of scientific question

all variables defined

2/2 3. EDA:

✓ cross-tabs ✓ mosaic plot

2/2 4. Testing independence:

give null and alt hyps mathematically

✓ test stat mathematically and numerically

null dist of test statistic; p-value and conclusion

define all terms

5. CMH test:

2/2 Explain in words what you are testing

CLEARLY state null and alt hyps mathematically

test statistic (numerically)

null dist of test statistic; p-value and conclusion

ASSUMPTION for valid p-value (ie, no 3-way interaction)

7

6. Woolf test:

1/1 null, alt, test stat, null dist of test stat, p-value, conclusion

7. Plots:

1/1 label size (not too small) captions

placement **NOT BLURRY**

1.5/1.5 8. Conclusions

recap analysis state main findings

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

poor satisfactory good (excellent)

1/1 10. Other comments:

great job!

5

discrete: Name 301569 5/12 → 2.5/6

AMS

1. Formatting: 0.5/0.5

all margins 2.5cm

12 pt size

no raw R code or output

~~max 7 pages~~ 02

informative title

name on all pages

all pages numbered

no blurry plots (**NOT png**)

0.5/0.5

2. Introduction/Background:

brief statement of scientific question

all variables defined

2/2

3. EDA:

→ cross tabulation

cross-tabs

mosaic plot

0.25/2

4. Testing independence: specific to test of indep, NOT generic definitions

give null and alt hyps mathematically

test stat mathematically and numerically

null dist of test statistic; p-value and conclusion

define all terms

0.5/2

5. CMH test: (ok as to what you are testing, but I think in this case the headache group is a subset of AMS, violating Independence of individuals

Explain in words what you are testing

CLEARLY state null and alt hyps mathematically

test statistic (numerically)

null dist of test statistic; p-value and conclusion

ASSUMPTION for valid p-value

3.75

0/1

6. Woolf test: (not done)

null, alt, test stat, null dist of test stat, p-value, conclusion mathematically

0.5/1

7. Plots:

label size (not too small) captions

placement **NOT BLURRY**

0.5/1.5

8. Conclusions

recap analysis state main findings (*interpretations)

0.25/0.5

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

poor satisfactory good excellent

0.5/1

10. Other comments:

- need references

*test results do not 'validate' other observations

- need mathematical detail that is specific to your analyses

1.25

discrete: Name 312123 6.75/12 → 3.375/6

0.5/0.5 Conc

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 **7** pages	no blurry plots (**NOT png**)

0.5/0.5

2. Introduction/Background:

brief statement of scientific question

all variables defined

2/2

3. EDA:

cross-tabs mosaic plot

1/2

4. Testing independence:

give null and alt hyps mathematically

test stat mathematically and numerically

null dist of test statistic; p-value and conclusion

define all terms

→ How to get expected numbers not explained anywhere?

0/2

5. CMH test:

Explain in words what you are testing

CLEARLY state null and alt hyps mathematically

test statistic (numerically)

null dist of test statistic; p-value and conclusion

ASSUMPTION for valid p-value

→ even if you don't carry this out, you need to explain all of this

4

0.5/1 6. Woolf test: interpretation (no 3-way interaction)

null, alt, test stat, null dist of test stat, p-value, conclusion

mathematically

0.5/1 7. Plots:

label size (not too small) captions

placement **NOT BLURRY**

0.75/1.5 8. Conclusions

recap analysis * state main findings

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

0.5

poor satisfactory good excellent

0.75/1 10. Other comments:

- use primary refs, not course notes

- cite references IN THE TEXT

* your interpretations are not entirely correct: for example, p.7, you say that 'playing certain sports increases risk ...' - NO, we cannot say why there is increased risk, we can only say that certain sports are associated with increased risk - a subtle but important difference

2.75

discrete: Name 312.687 5.5/12 → 2.75/6

AMS

1. Formatting:

0.5/0.5

all margins 2.5cm — informative title

12 pt size — name on all pages

no raw R code or output — all pages numbered

~~max 7 pages~~ ok — no blurry plots (**NOT png**)

0.5/0.5 2. Introduction/Background:

brief statement of scientific question

all variables defined

2/2 3. EDA:

cross-tabs — mosaic plot

0.5/2 4. Testing independence: Tests of independence (NOT independency)

give null and alt hyps mathematically

test stat mathematically and numerically

null dist of test statistic; p-value and conclusion

define all terms

0.5/2 5. CMH test:

Explain in words what you are testing clearly

CLEARLY state null and alt hyps mathematically

test statistic (numerically)

null dist of test statistic; p-value and conclusion

ASSUMPTION for valid p-value

4

0.25/1

6. Woolf test:

null, alt, test stat, null dist of test stat, p-value, conclusion

mathematically

0.5/1

7. Plots:

label size (not too small) captions

placement **NOT BLURRY**

8. Conclusions

recap analysis state main findings — interpretation

0.25/0.5

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

poor satisfactory good excellent

0.5/1

10. Other comments:

- need references
- need mathematical detail
- you don't 'confirm' association with CMH test, you 'assess', and you need to be very clear exactly what you are testing — your explanations are vague and lacking in specificity

1.5

discrete: Name 351592 AMS 4.75/12 → 2.375/6

1. Formatting:

all margins 2.5cm

12 pt size

no raw R code or output

~~max 7 pages~~ ok

informative title

name on all pages

all pages numbered

no blurry plots (**NOT png**)

0.5/0.5

2. Introduction/Background:

brief statement of scientific question

all variables defined

0.5/0.5

3. EDA:

cross-tabs Combine into 1 table

mosaic plot Combine into 1 plot

1/2

4. Testing independence:

give null and alt hyps mathematically (not R formulas)

test stat mathematically and numerically

null dist of test statistic; p-value and conclusion

define all terms

0.75/2

5. CMH test:

Explain in words what you are testing — explain this, even if no 3RD (stratifying) variable

CLEARLY state null and alt hyps mathematically

test statistic (numerically)

null dist of test statistic; p-value and conclusion

ASSUMPTION for valid p-value

0/2

2.75

0/1 6. Woolf test: explain this as it relates to CMH

null, alt, test stat, null dist of test stat, p-value, conclusion

0.75/1 7. Plots:

label size (not too small) captions

placement **NOT BLURRY**

0.5/1.5 8. Conclusions

expand this — in new paragraph(s)

recap analysis state main findings

0.25/0.5 9. Overall presentation (clarity of explanations, appropriate citations / references) :

poor satisfactory good excellent

0.5/1 10. Other comments:

- other relevant refs?
- report needs more mathematical detail
- interpretation of results; cannot conclude that trt causes effect, only that it is associated with effect
- Spell out PHAIT

2

discrete: Name 353739 9.5/12 → 9.75/6

AMS

1. Formatting:

0.5/0.5

- all margins 2.5cm
- 12 pt size
- **no raw R code or output**
- ~~max 7 pages~~ ok
- informative title
- name on all pages
- all pages numbered
- no blurry plots (**NOT png**)

good job!

0.5/0.5

2. ~~Introduction~~/Background:

- brief statement of scientific question
- all variables defined

2/2

3. EDA:

- ✓ cross-tabs
- ✓ mosaic plot

1.5/2

4. Testing independence:

- give null and alt hyps mathematically
- test stat mathematically and numerically — How to get expected numbers!
- null dist of test statistic; p-value and conclusion
- define all terms

1/2

5. CMH test:

- Explain in words what you are testing
- CLEARLY state null and alt hyps mathematically
- test statistic (numerically)
- null dist of test statistic; p-value and conclusion
- ASSUMPTION for valid p-value

OK, but you should explain these conditions

5.5

6. Woolf test: 0.75/1

null, alt, test stat, null dist of test stat, p-value, conclusion

7. Plots: 1/1 ← but specify these

label size (not too small) captions

placement **NOT BLURRY**

8. Conclusions 1/1.5

recap analysis state main findings

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

poor satisfactory good excellent

10. Other comments: 0.75/1

- interpretation of results: we can NOT say that 'AMS depends on trt' - we can only say that it is associated with treatment (a subtle but important difference)

4