How to tie your science paper

Context
Aim
Data
Analysis method
Results
Conclusion
Outlook

brasil.: *cadarço* = shoelace
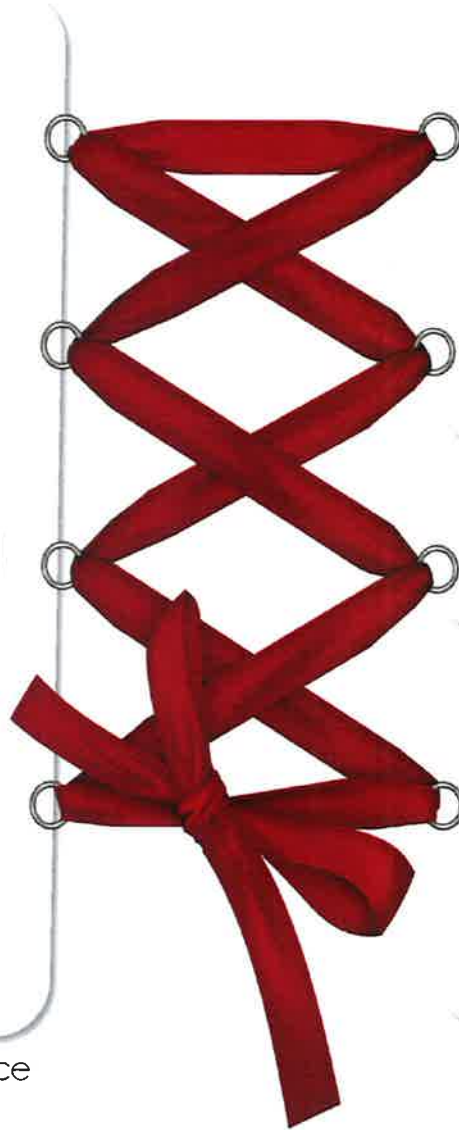
1) Research process

i) Know the scientific **C** when formulating the question (**A**) for a new test.
(ii) Play around with **D&A** until you produce a **R** figure that allows you to state a scientific **C**.
(iii) Use open and follow-up questions (**O**) to write down the **C&A** for the next test(s).

2) Paper abstract

½-1 sentence per category; only for **R** 1-3 sentences

3) Figure captions

(i) 1 sentence headline summarizing what is shown (**C&A**).
(ii) As little text as possible elaborating on **D&A** used in this figure to illustrate the **R**.
(iii) 1 sentence for the scientific take-home message (**C&O**).

4) Result subsections

Use what you explicitly wrote down during (1) to flesh out the paragraph: **C&A** in the (scientific) context of the paper – detailing **D&A** – explain your **R** figure – **C** – transition to further tests/results/figures (**O**)

5) Overall paper structure

Introduction (**C&A**) – D – A – R – Discussion (**C&O**)

6) Paper introduction

(i) Big science question (**C**)
(ii) Review of the general literature with similar **A**s.
(iii) Motivation of the use of **D&A** in this paper.
(iv) Relevant recent **R**s of other authors.
(iv) **C** why your study provides novel insight.
(v) Structure of the paper (**O**).

A beginner's guide by Wilma Trick (MPA, 2019