
Scientific Writing

KazNU, 2018

Key themes

- A word about project management
- The elements of a research report
 - The research report as a story
 - The research report as an argument
- Why do a literature review?
- What does a conclusion do?

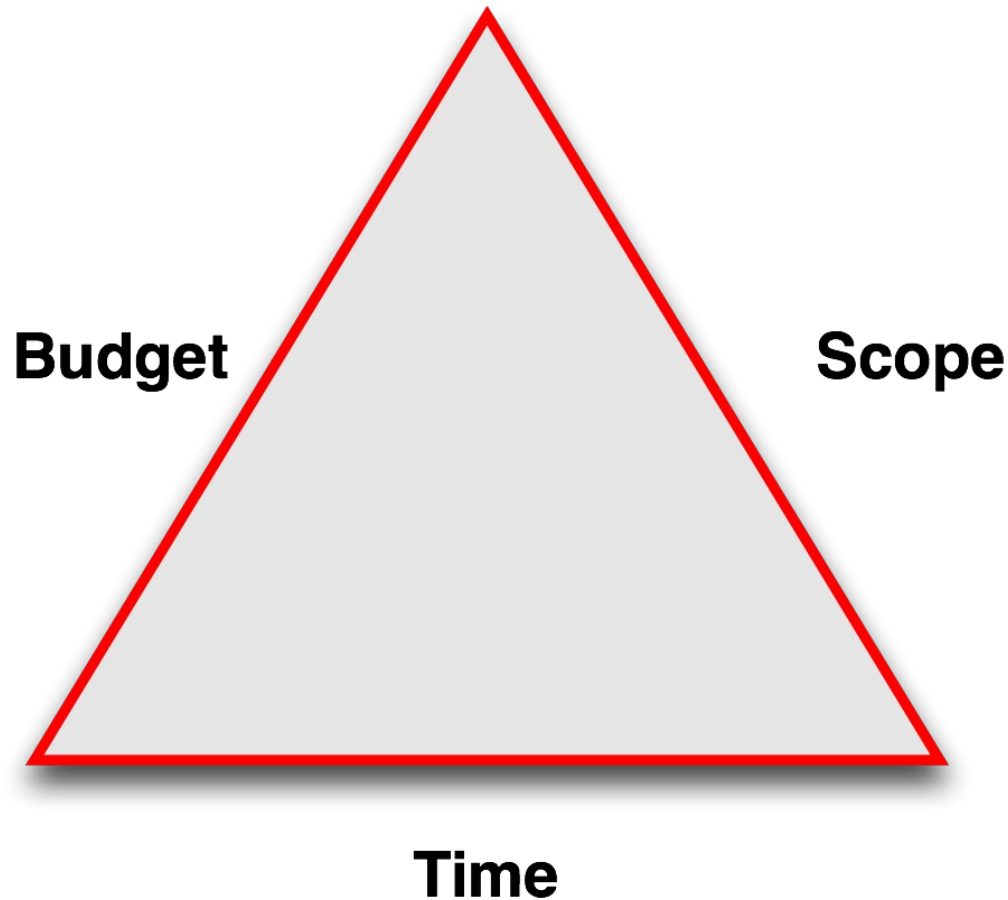
What is your project objective?

I want to understand why mothers and daughters get estranged. This is important because it might help people stay in healthy relationships. It also might help therapists create effective counseling techniques.



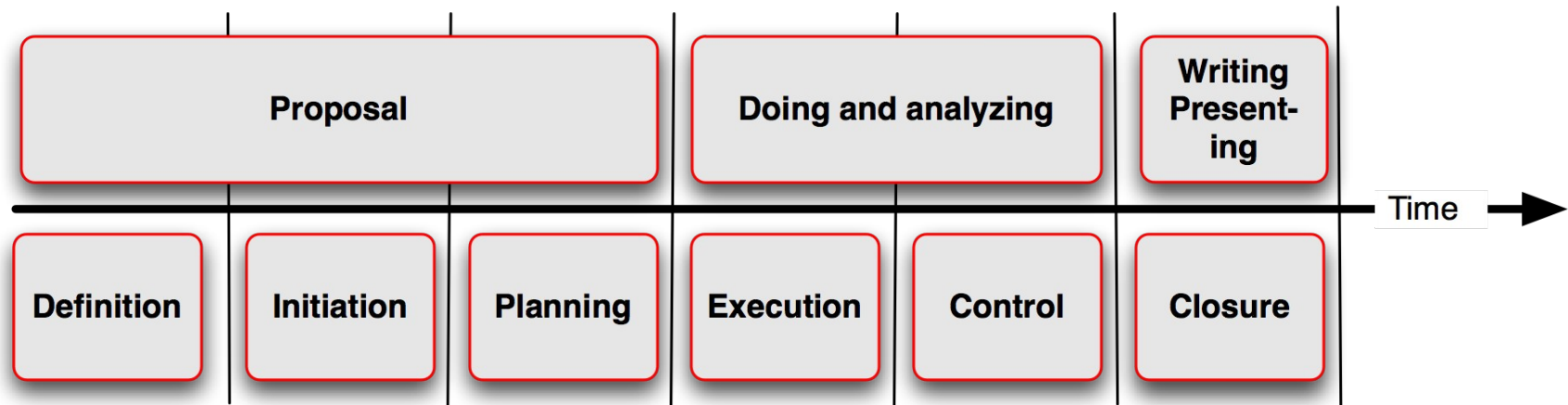
- Why should anyone care?
- What good will come out of it?
- Answer these “so what” questions in your discussion.

The Project Management Triangle



The Research Project Process

Research-specific project process




Classic Project management

Doing research

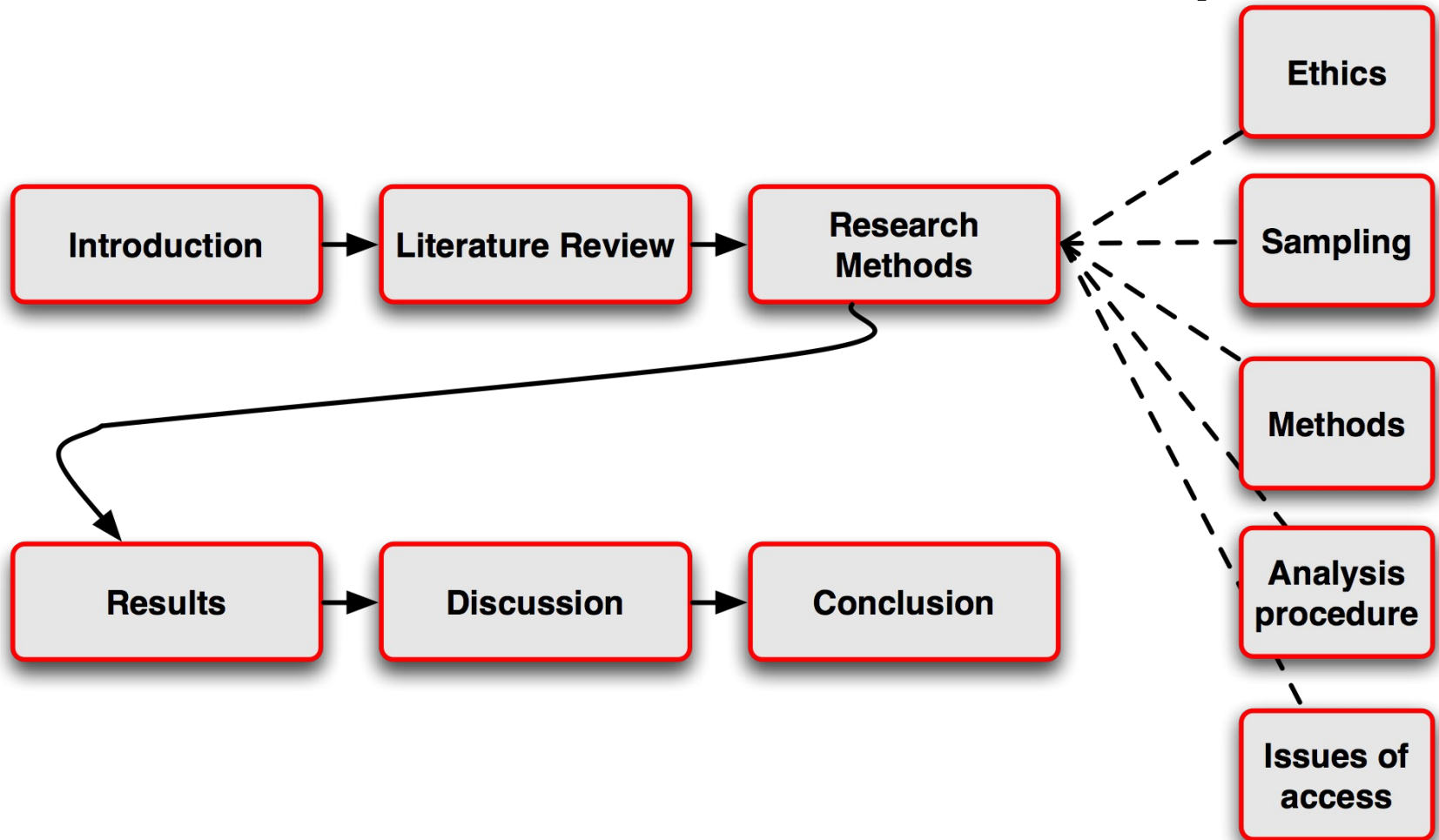


How do I actually DO a research project?

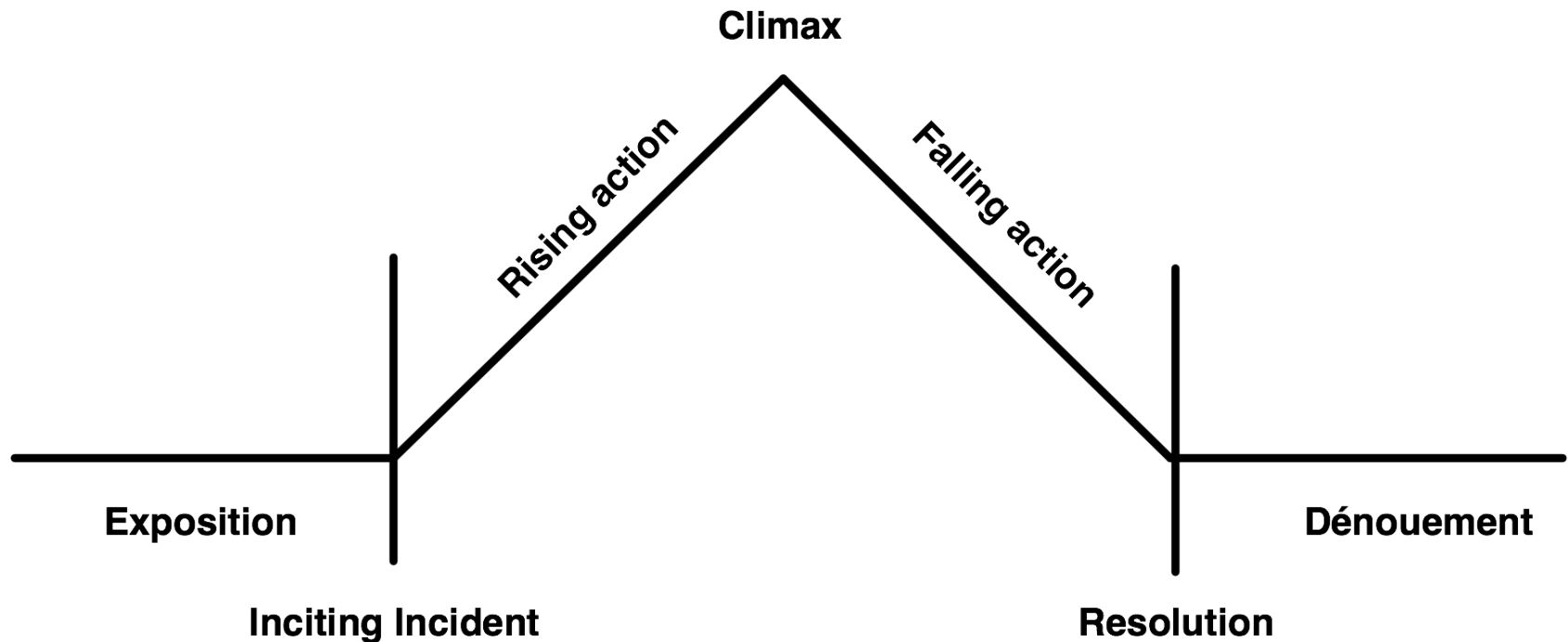


Keep good records; write a lot. Know your software and hardware tools. It always takes longer than you think. And stay safe.

Elements of A Research Report

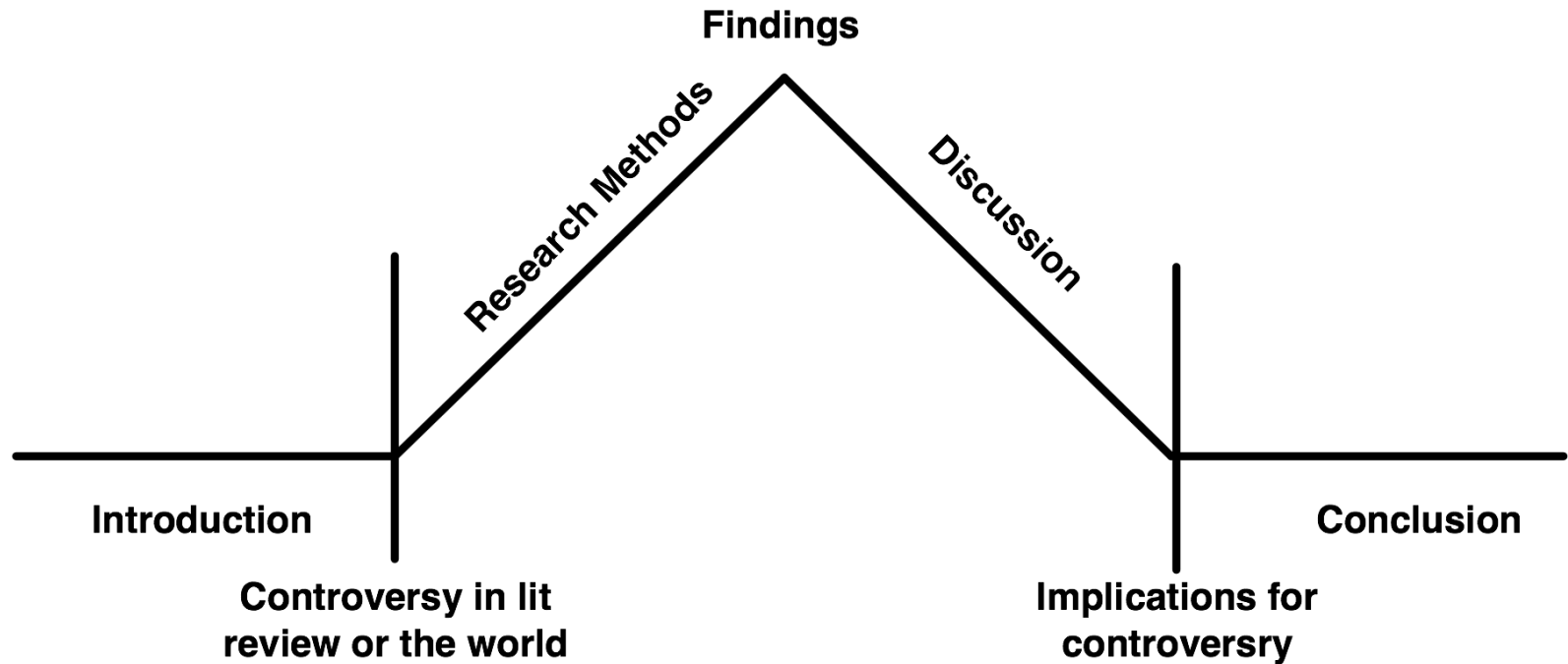


The Elements of A Story

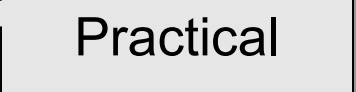
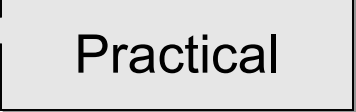
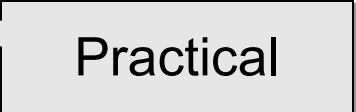
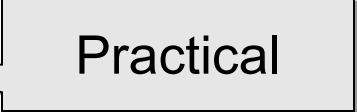

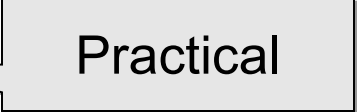

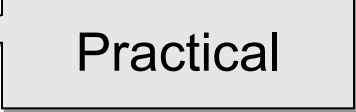
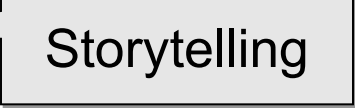



Gustav Freytag's Pyramid

The Research Project as A Story



The purpose of the lit review

- To know what is already known 
- To learn from others' mistakes 
- To reveal research approaches 
- To develop an analytic framework 
- Find some variables 
- Suggest research questions 
- Help with interpretation 
- Pegs to hang your findings 
- It is expected 

The Research Project as An Argument

“An argument is a set of statements that claims that one or more of those statements, called premises, support another of them, called the conclusion”
(Hughes & Lavery, 2004, p. 19).

Structure of a “simple” argument

Premise

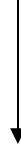


Conclusion

Discrimination Argument

Premise 1

Minority baseball players have
less field time.



Premise 2

The coach says they are
just as talented.

Inferential indicator

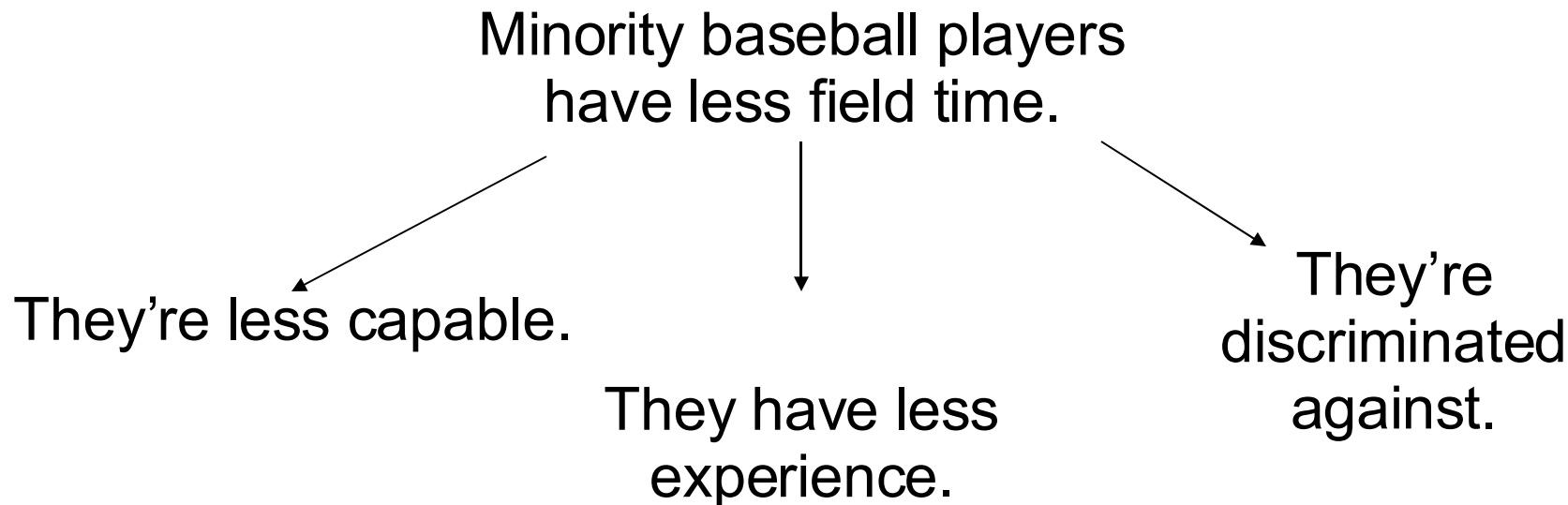


Therefore

Conclusion

Baseball rosters are
discriminatory.

Explanations are not arguments



Relevant Premise?

Baseball owners are
generally White.



Baseball rosters are
discriminatory.

Relevant Premise?

Baseball owners pay
white players more.



Minority baseball players
have less field time.



Therefore.....

Baseball rosters are
discriminatory.

What does a conclusion do?

I'm creating a caregiving policy that allows daughters to quit work to take care of mothers. How is your research relevant?



Mothers and daughters do not automatically have close relationships. Divorce, birth order, and geographic location all play a role.



- Take a position on a controversy.
- Advise on what findings mean.