



University
of Glasgow

Critique

Professor Jo-Anne Murray

- Assistant Vice-Principal, Digital Education
- Associate Dean for Digital Education, MVLS
- Deputy Dean of Graduate Studies, MVLS


INSPIRING
PEOPLE





What does critique mean?

critique

/kriˈti:k/ 

noun

1. a detailed analysis and assessment of something, especially a literary, philosophical, or political theory.
"a critique of Marxist historicism"
synonyms: analysis, evaluation, assessment, appraisal, appreciation, review, write-up; [More](#)

verb

1. evaluate (a theory or practice) in a detailed and analytical way.
"the authors critique the methods and practices used in the research"



Abstract

Shortened version of the paper
First section, but often written last

Questions:

- **Are the objectives of the study clear?**
- **Is it clear how the study was conducted?**
- **Are the results clearly described?**
- **Does the conclusion relate to the findings?**

Introduction

Discusses results & conclusions of previous studies to help explain why the current study is of scientific interest

It should:

- **Move from general info to specific info**
- **Succinct**
- **Focussed**
- **End with aim/objective/hypothesis**



Introduction

Aim: what you intend to do

Objective: what you will do to achieve your aim

Hypothesis: an idea or explanation for something that is based on known facts, but has not yet been proven

“The aim of this study was to determine the effect of exogenous enzymes treatment on the nutritive value of lucerne for equids, with the hypothesis that exogenous enzymes will enhance fibre digestibility of lucerne by equids”.

Introduction

Why is this study important and what is the aim/objective/hypothesis?

Questions:

- **Does it help you understand what was studied and why?**
- **Are the aims and/or objectives clearly described?**
- **What is the hypothesis and is it clearly stated?**
- **Does the hypothesis follow logically from the background?**

Materials and methods

Describes the materials and methods used in a way that another scientist can replicate the work?

Questions:

- **Are they clearly stated?**
- **Are they sufficiently detailed?**
- **Could you repeat the study from the information given?**
- **Is the experimental design sound?**
- **Were the statistical analyses appropriate and correct?**

Results

Reports the data collected

Questions:

- Are the data clearly presented?
- Do the graphs and tables clearly explain the results?
- Are the figure and table legends clear?
- Do figures and tables stand alone?
- Were the statistical analyses appropriate and correct?
- What are the major findings?
- Do the results address the aims/objectives of the study?

Discussion

Used to explain the results and compare them to other scientific studies
Here the aims/objectives should be re-stated along with the hypothesis and whether the findings support or refute the hypothesis

Questions:

- **Is it related to the hypothesis?**
- **Are the findings related to existing scientific knowledge?**
- **Does it contain a lot of speculation?**
- **Do you agree with the conclusions?**
- **Are there suggestions for future studies?**



University
of Glasgow

Thank you for listening

Professor Jo-Anne Murray

Jo-Anne.Murray@Glasgow.ac.uk

THE  TIMES
THE SUNDAY TIMES

**GOOD
UNIVERSITY
GUIDE
2018**

**SCOTTISH
UNIVERSITY
OF THE YEAR**

**INSPIRING
PEOPLE**

#UofGWorldChangers



@UofGlasgow