



# HOW TO REVIEW A SCIENTIFIC PAPER

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## IMPORTANCE OF REVIEWING

- Learning experience
- Knowledge of super fresh research first hand
- Insight into other authors' argument structure
- Helps you grow as an academician

## WHY THE SERIOUSNESS?

- Crux of quality scientific data
- Quality control depends on quality of Reviewers
- Treat it as a major responsibility

## BEFORE YOU START

- Does the article match your **area of expertise**?

# DO YOU HAVE A POTENTIAL CONFLICT OF INTEREST?

## Donald Trump says 'can't have a conflict of interest' as President

The US President-elect Donald Trump has said that he will give his children management of his many business interests, which experts say is not enough

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John Voskuhl | Caleb Melby



DO YOU HAVE **TIME**? REVIEWING CAN BE A LOT OF WORK – BEFORE YOU COMMIT, MAKE SURE YOU CAN MEET THE DEADLINE.

Presentation  
deadlines


DJO issue  
deadline

Book  
chapter  
deadline

Election  
campaigning

Arranging  
for cash...



- 
- Respond ASAP – delay in your decision slows down the review process, whether you agree to review or not
  - If you decline - provide suggestions for alternative reviewers

# WORK PROCESS AND APPROACH

- **General Layout of Scientific Papers**

- Title

- Abstract

- Introduction

- Materials and Methods

- Results

- Discussion

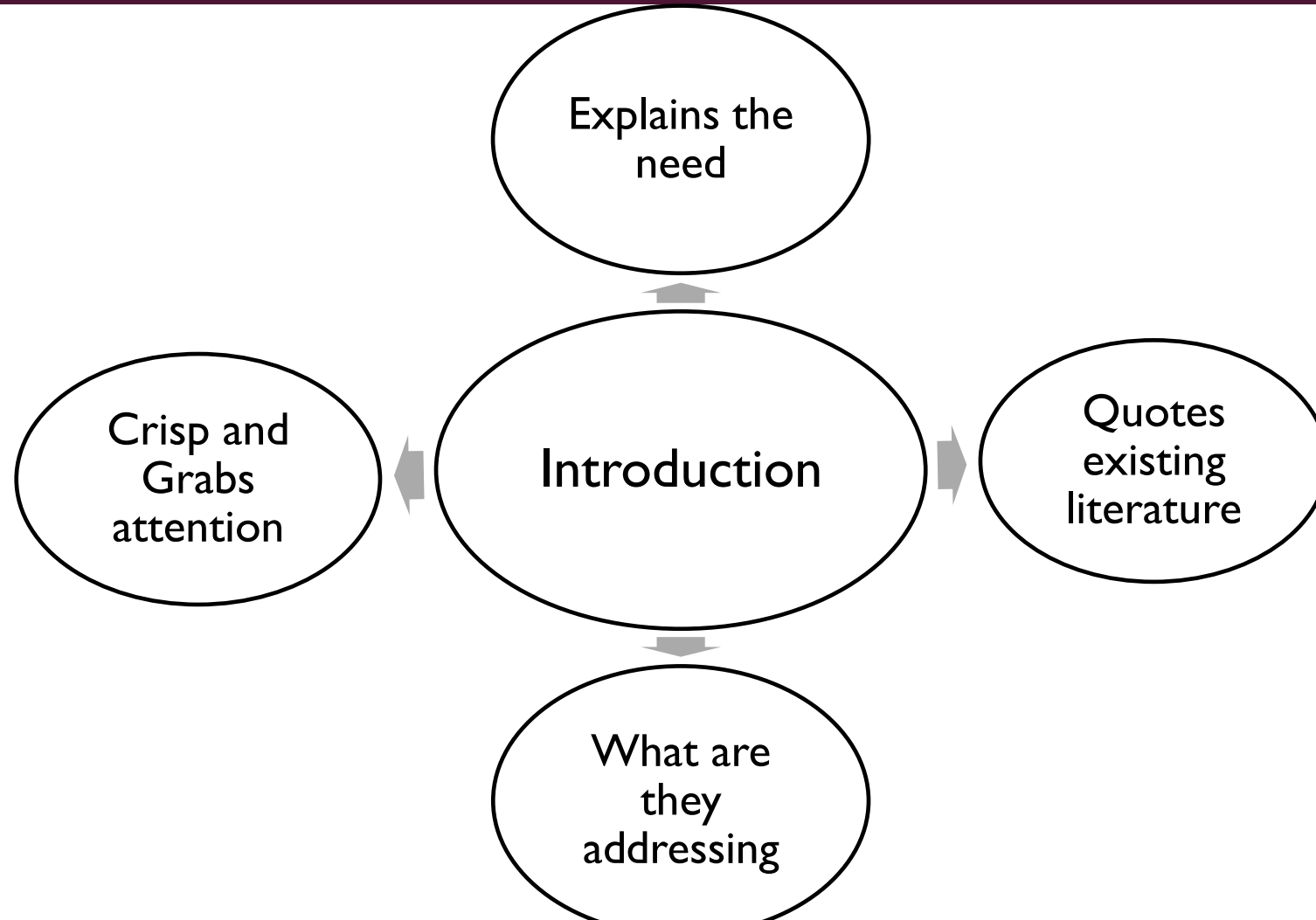
- Acknowledgements

- References

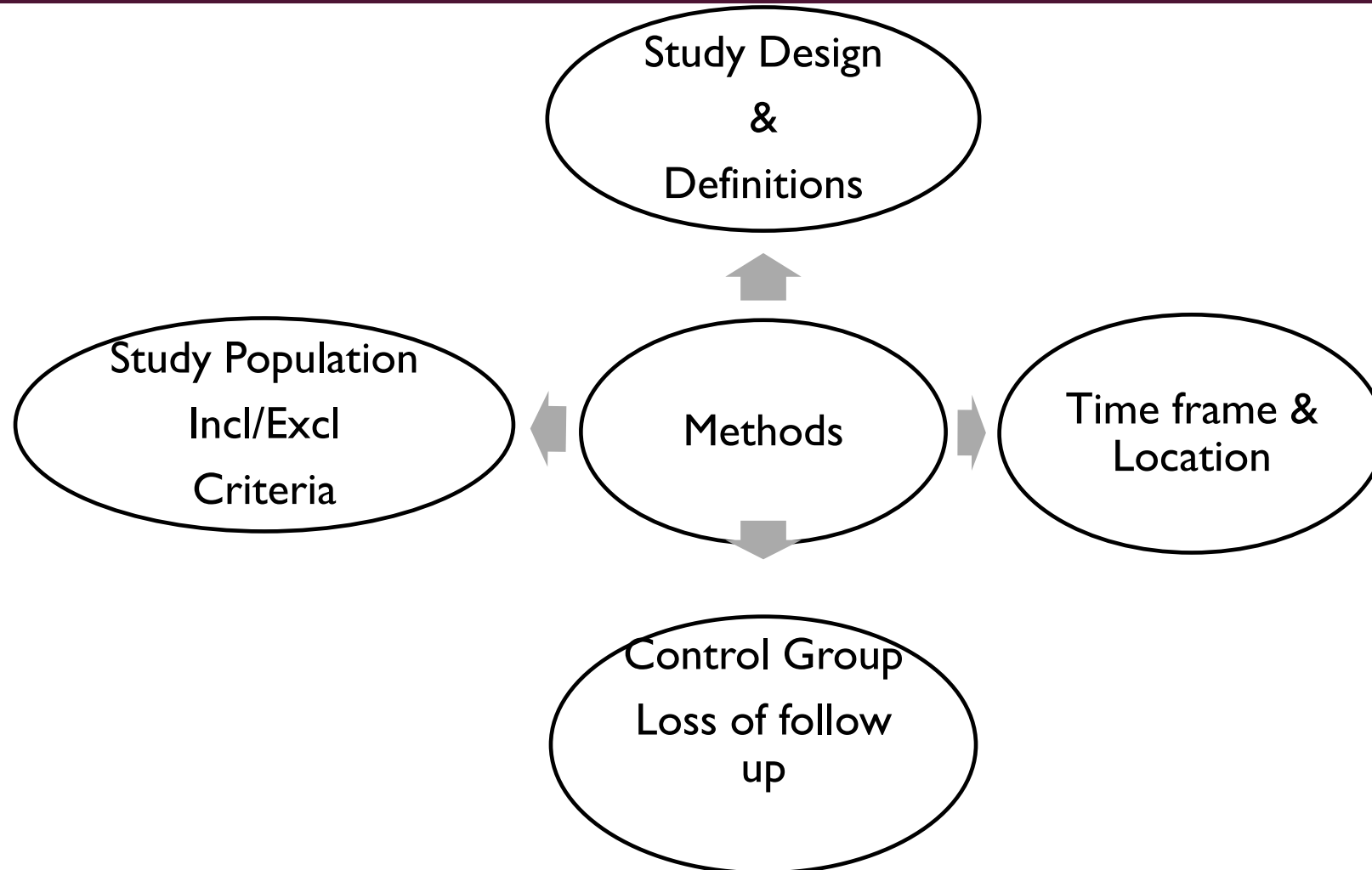
- Table & Figures



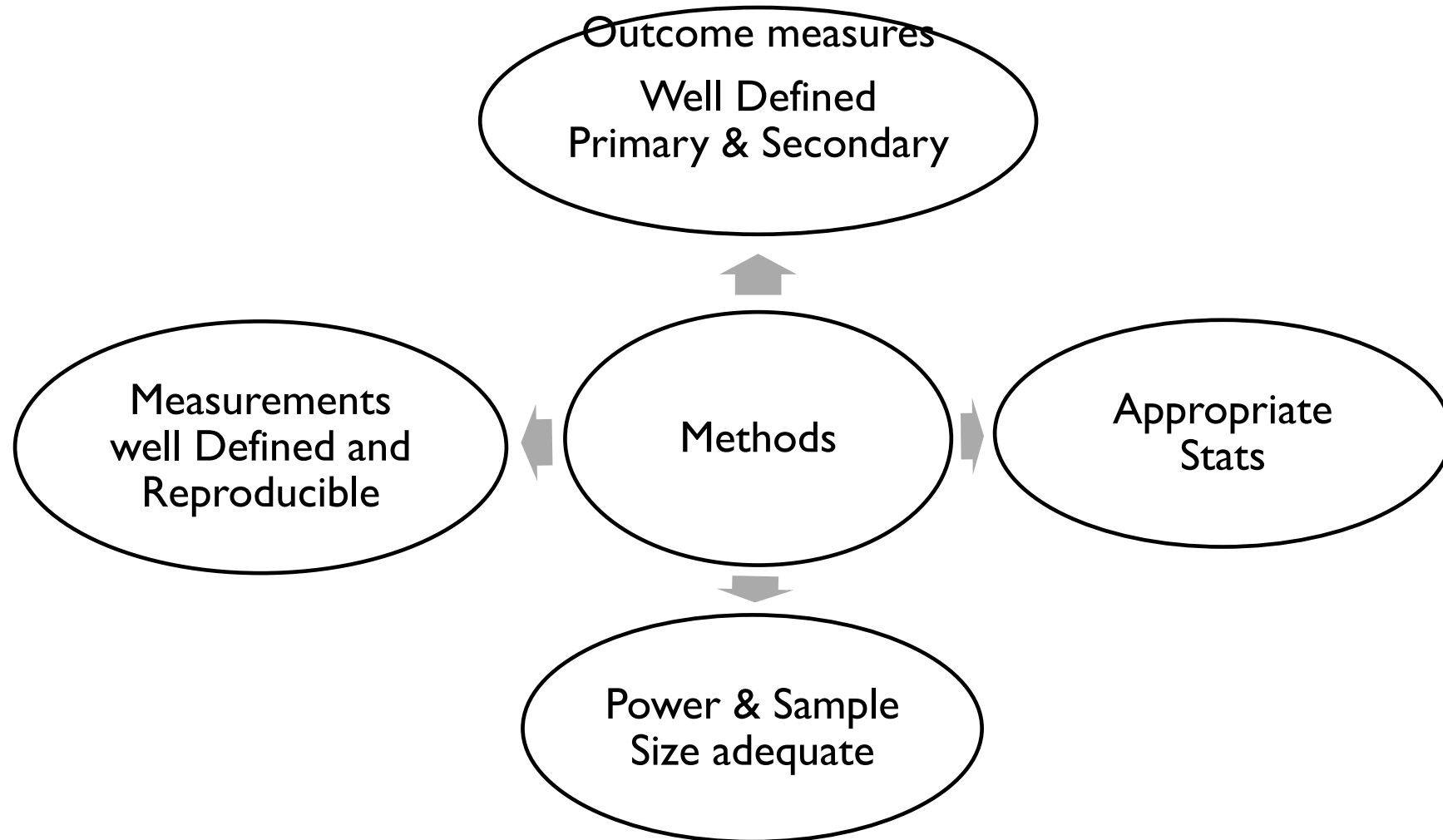
# ESSENCE OF INTRODUCTION



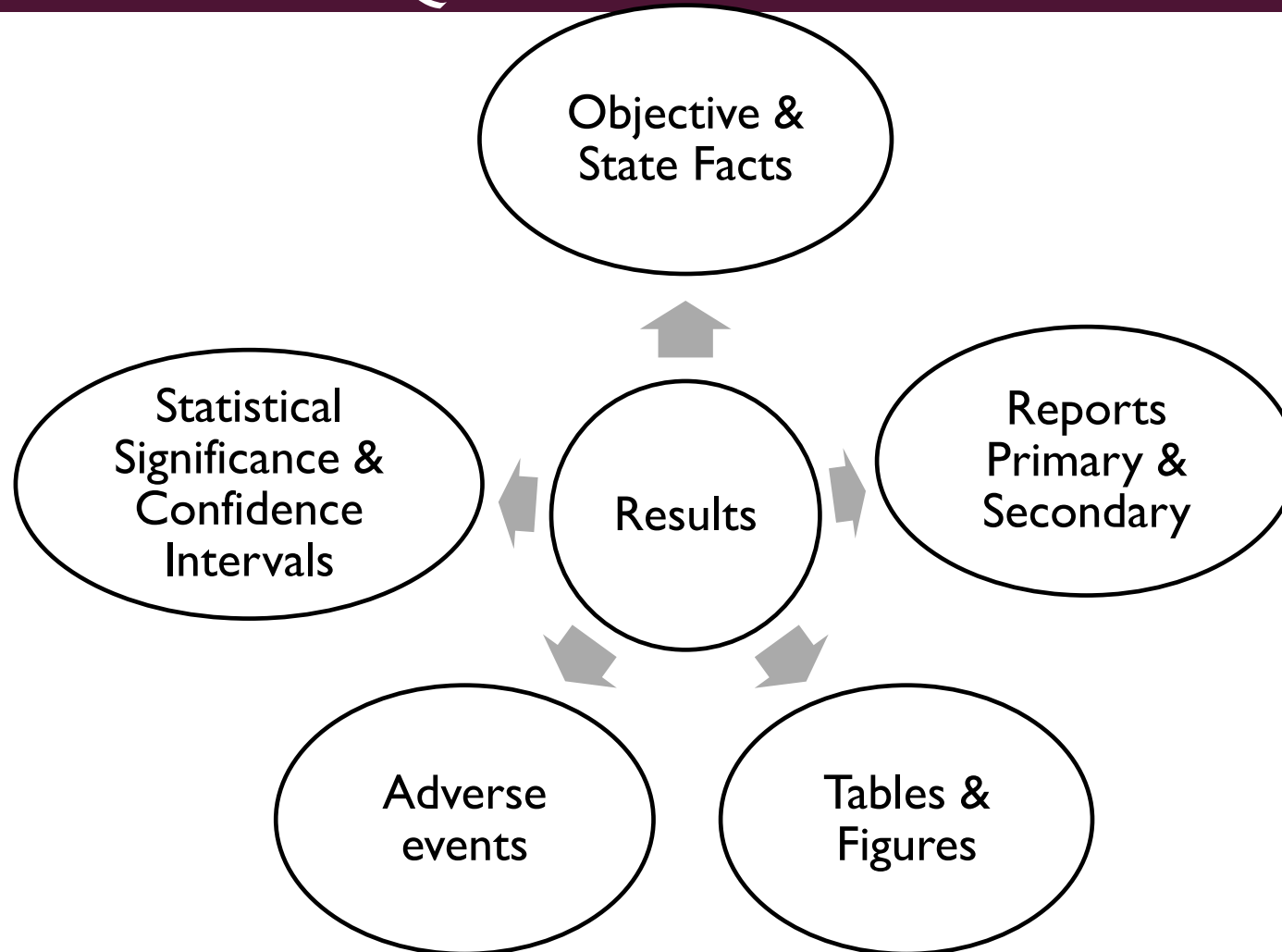
# METHODS: KEY REQUIREMENTS



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# RESULTS – KEY REQUIREMENTS



## HOW TO WRITE THE REVIEW

- Introductory paragraph summarizes the background information and purpose of the research (specific questions the study researched)
- Methods that were used to investigate the research questions (using past tense)
- Mention the major results of the study (using past tense)
- State what the author of the study learned

## HOW TO WRITE THE REVIEW

- Summary as well as your own analysis and evaluation of the article
- No personal opinions
- Distinguish your thoughts from the author's words
- Focus on the positive aspects
- Limitations of the study at the end of the essay
- Do the data and conclusions contradict each other?
- Is there sufficient data to support the author's generalizations?
- What questions remain unanswered?
- How could future studies be improved?

# SUMMARY

- Academic Exercise
- Accept Responsibility
- Learning Curve
- You are a large Beneficiary of the Process

