

*In the name of
Allah, the most
Gracious, the
most Merciful*

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

methodology
statistic
test
conceptual
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deduction
hypothesis
theory
test
question
empirical
research
grounded
science
testing
analysis
literature
hypothesis
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reporting
deduction
statistic
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fact
study
methodology
induction
scientific
interpretation
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empirical
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problem
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methodology
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definition
formula
goal
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grounded
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conceptual
qualitative
goal
problem
conceptual
data
study

Research problem



Contents:

- ✓ Definition of report writing
- ✓ Types of report writing
- ✓ Define scientific report
- ✓ Define scientific research
- ✓ Types of scientific research
- ✓ Purposes of Scientific report
- ✓ Elements/Structure of Scientific report
- ✓ Publication of Scientific report
- ✓ Effective report/elements of good report
- ✓ Avoids plagiarism
- ✓ Do's and Don'ts in report
- ✓ Conclusion



She died trying to rescue her
final attempt to rescue the company from
cuer nipped mine
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s father

re·search¹ /rɪ'sɜːtʃ/,

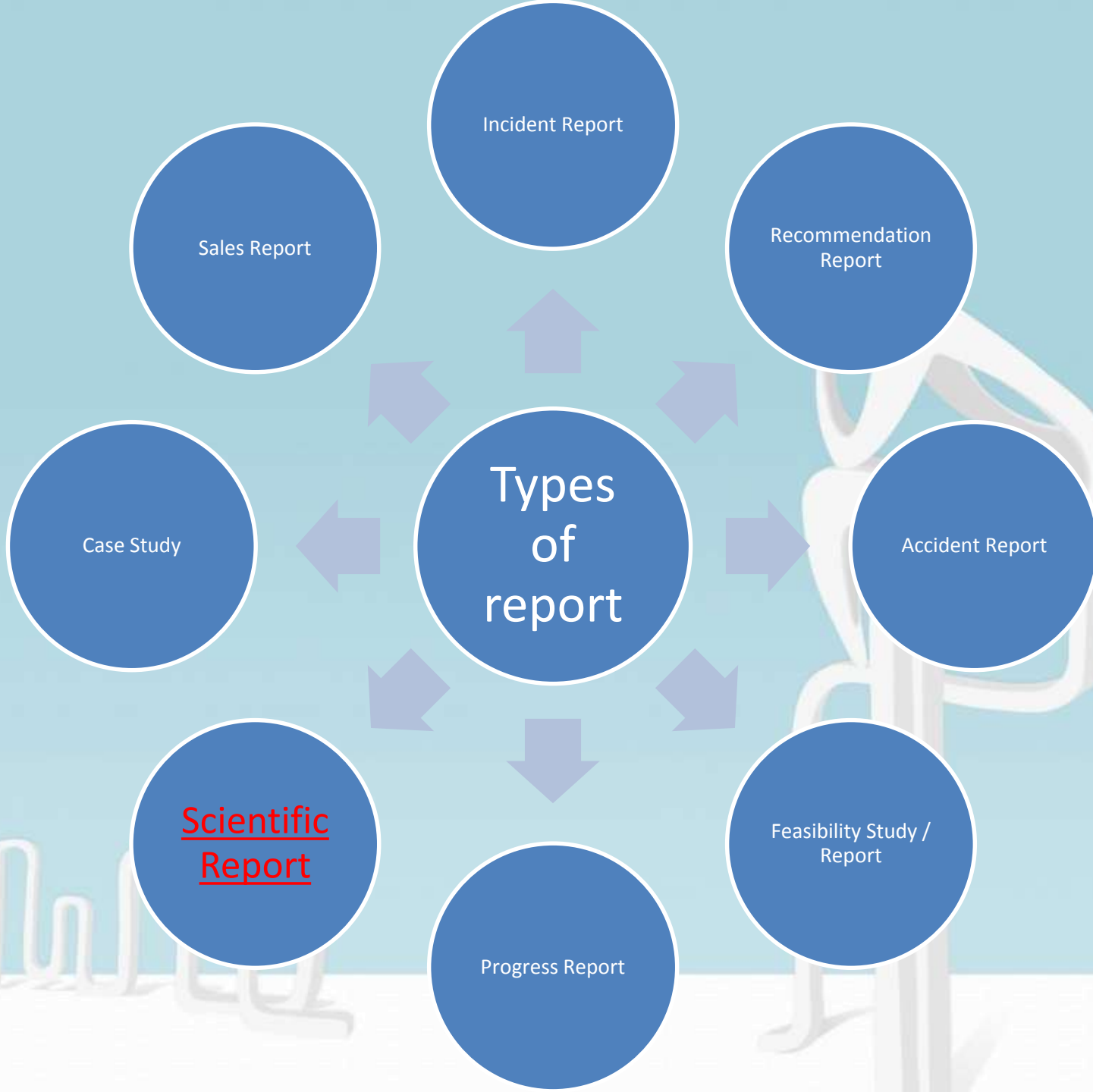
[plural] **1** serious st- / n [U]

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Format of general report writing

Short report

- Title
- Introduction
- Discussion
- Recommendations
- References

Science report

- Title page
- Introduction
- Method & materials
- Results
- Discussion
- Conclusion
- Appendices
- References

Cont...

Business report

- Title page
- Executive summary
- Table of contents
- Introduction
- Discussion
- Conclusion
- Recommendations
- Appendices
- References

Research report

- Title page
- Executive summary
- Introduction
- Method / methodology
- Results / findings
- Discussion
- Conclusions
- Recommendations
- Appendices
- Bibliography

Scientific report

- Document that describe
 - Process
 - Progress
 - Results of technical or scientific research



Types of Scientific research

Quantitative

vs.

Qualitative
research

Descriptive

vs.

Explanatory

vs.

Predictive
research

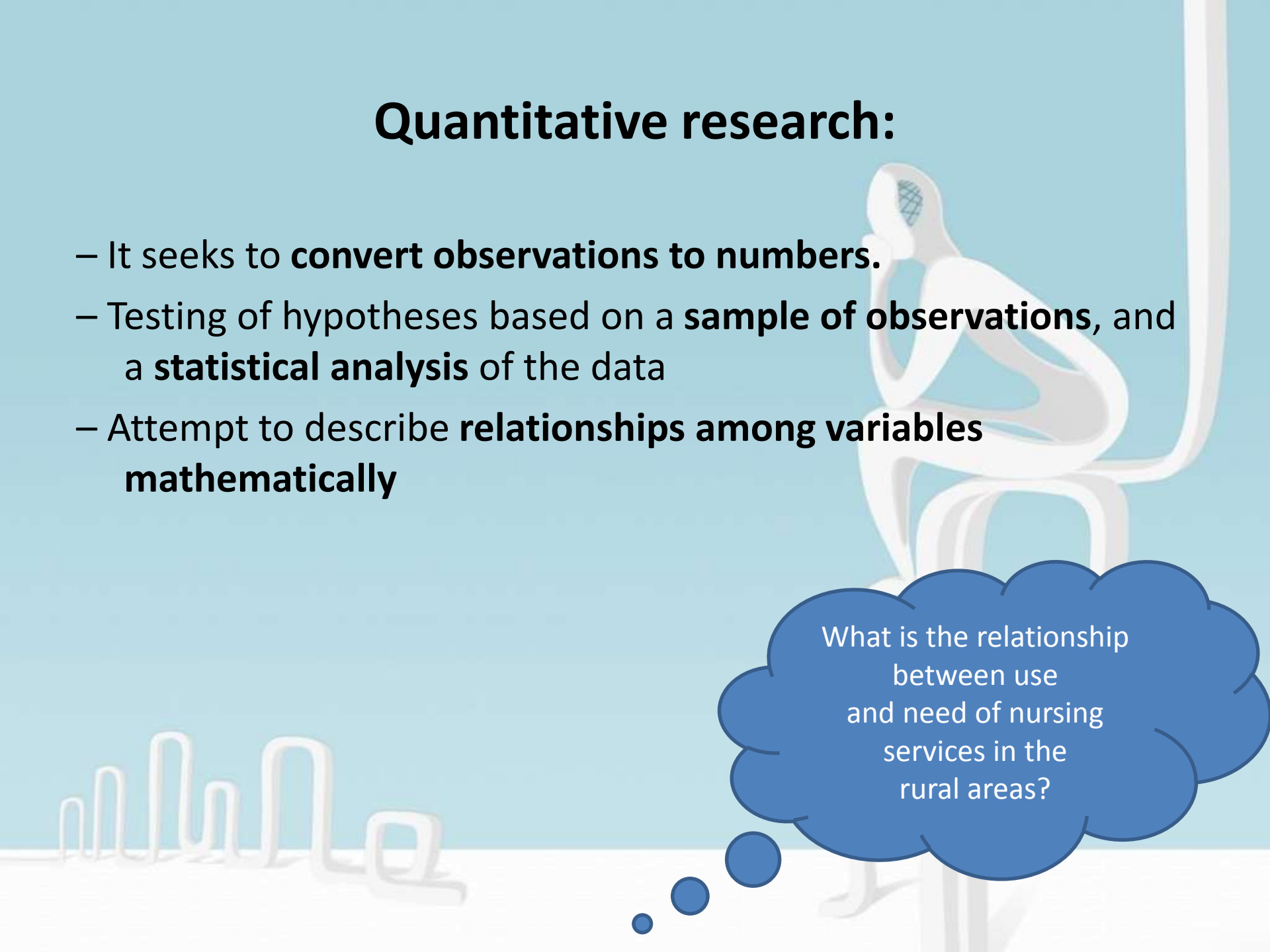
Basic (pure)

vs.

Applied
research

Quantitative research:

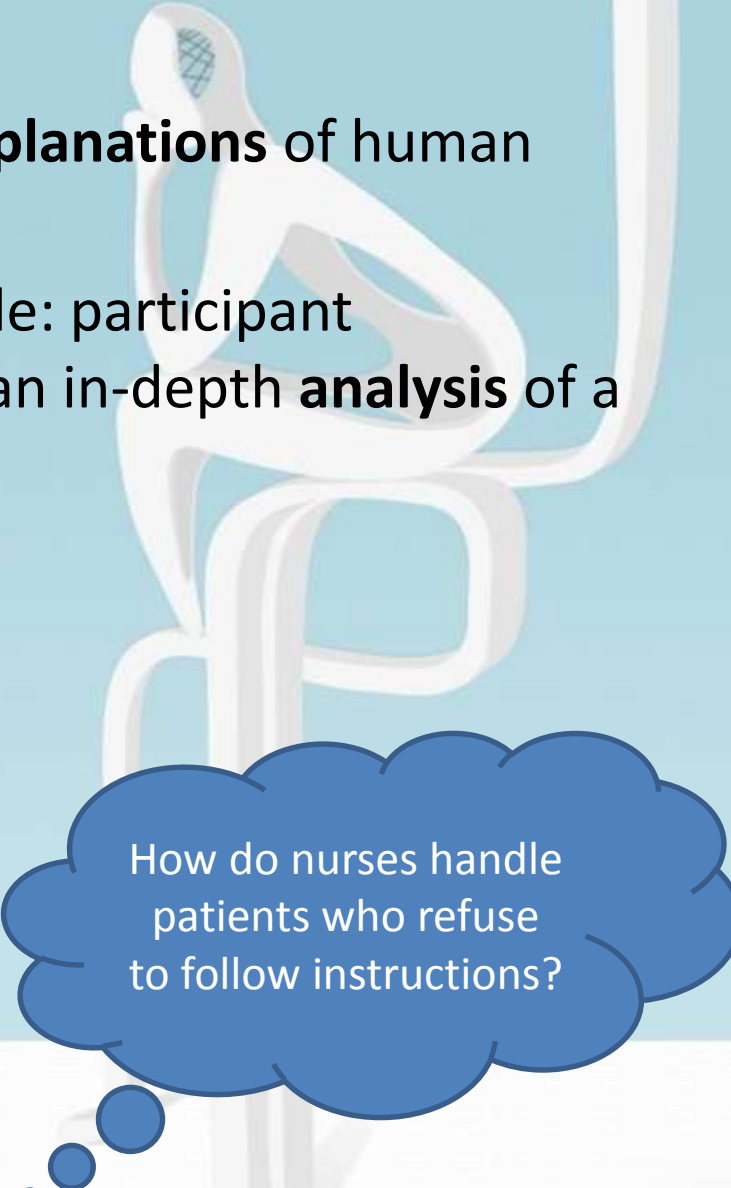
- It seeks to **convert observations to numbers**.
- Testing of hypotheses based on a **sample of observations**, and a **statistical analysis** of the data
- Attempt to describe **relationships among variables mathematically**



What is the relationship between use and need of nursing services in the rural areas?

Qualitative research:

- Emphasizes **verbal descriptions** and **explanations** of human behavior
- The **tools** for gaining information include: participant **observation**, in- depth **interviews**, or an in-depth **analysis** of a single case

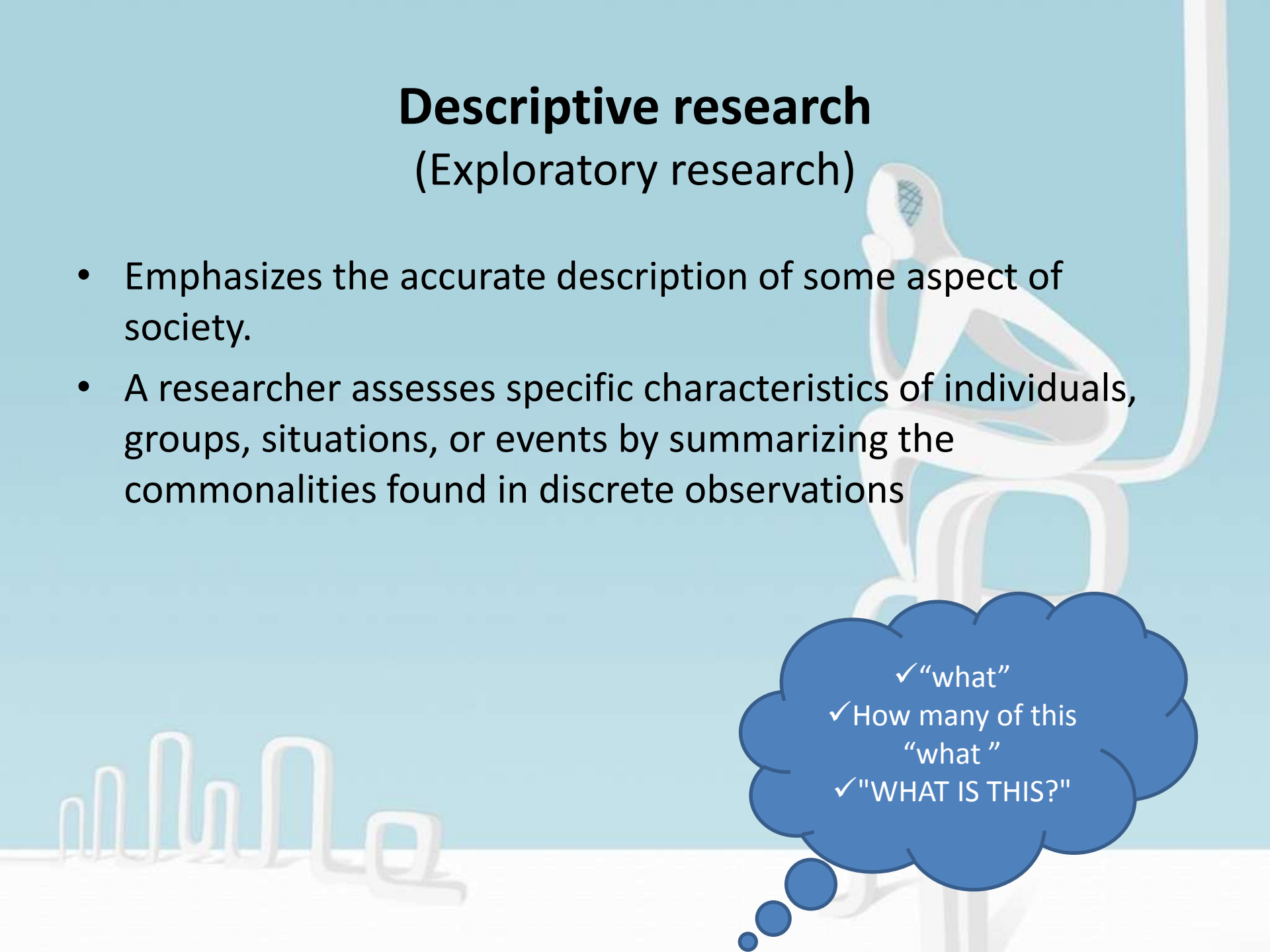


How do nurses handle patients who refuse to follow instructions?

Descriptive research

(Exploratory research)

- Emphasizes the accurate description of some aspect of society.
- A researcher assesses specific characteristics of individuals, groups, situations, or events by summarizing the commonalities found in discrete observations



✓ "what"
✓ How many of this
"what"
✓ "WHAT IS THIS?"

Explanatory research

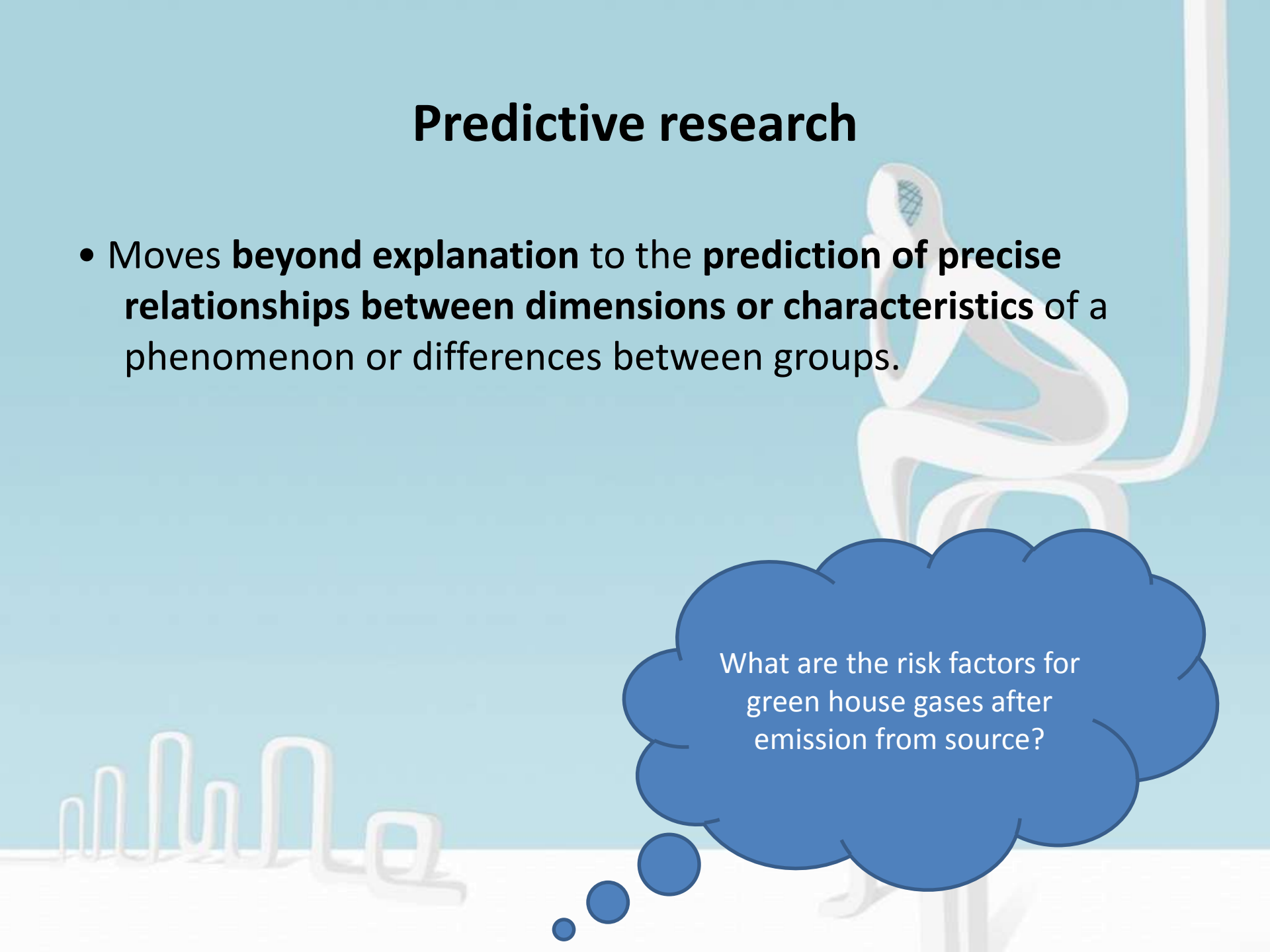
- Its primary **goal** is to **understand** or to **explain** relationships.
- It uses **correlations** to study relationships between **dimensions** or **characteristics** of individuals, groups, situations, or events.



✓ HOW
✓ WHY

Predictive research

- Moves **beyond explanation** to the **prediction of precise relationships between dimensions or characteristics** of a phenomenon or differences between groups.



What are the risk factors for green house gases after emission from source?

Basic research

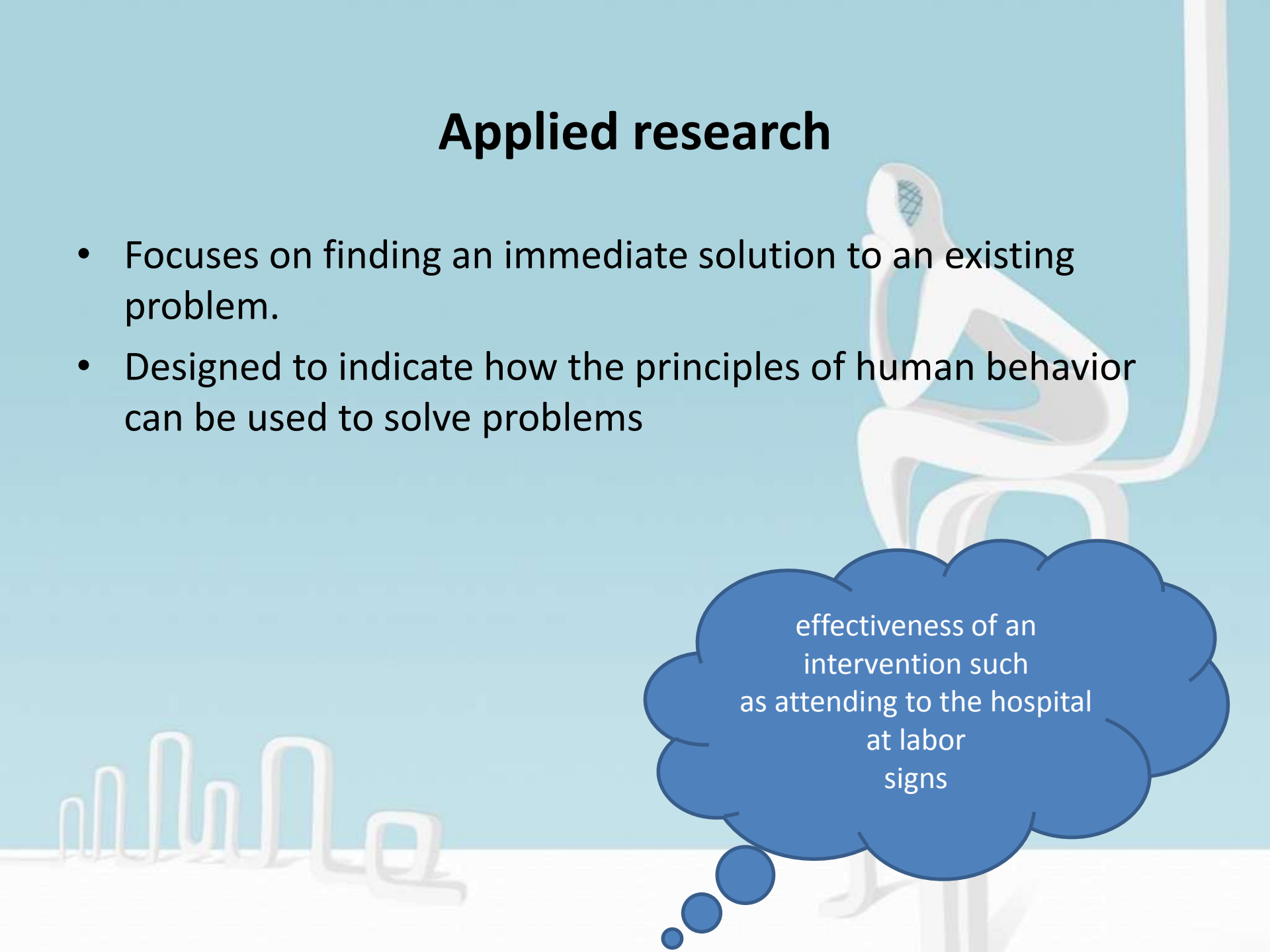
- Focuses on **understanding phenomena** of interest.
- Conducted to **accumulate information, extending the base of knowledge** in a discipline to **improve understanding, or to formulate a theory**.
- It is appropriate for **discovering general principles** of human behavior and biophysiology processes.



relationship
between socioeconomic
status and
the intention to follow a
healthy diet

Applied research

- Focuses on finding an immediate solution to an existing problem.
- Designed to indicate how the principles of human behavior can be used to solve problems



effectiveness of an
intervention such
as attending to the hospital
at labor
signs

Purpose of scientific report writing

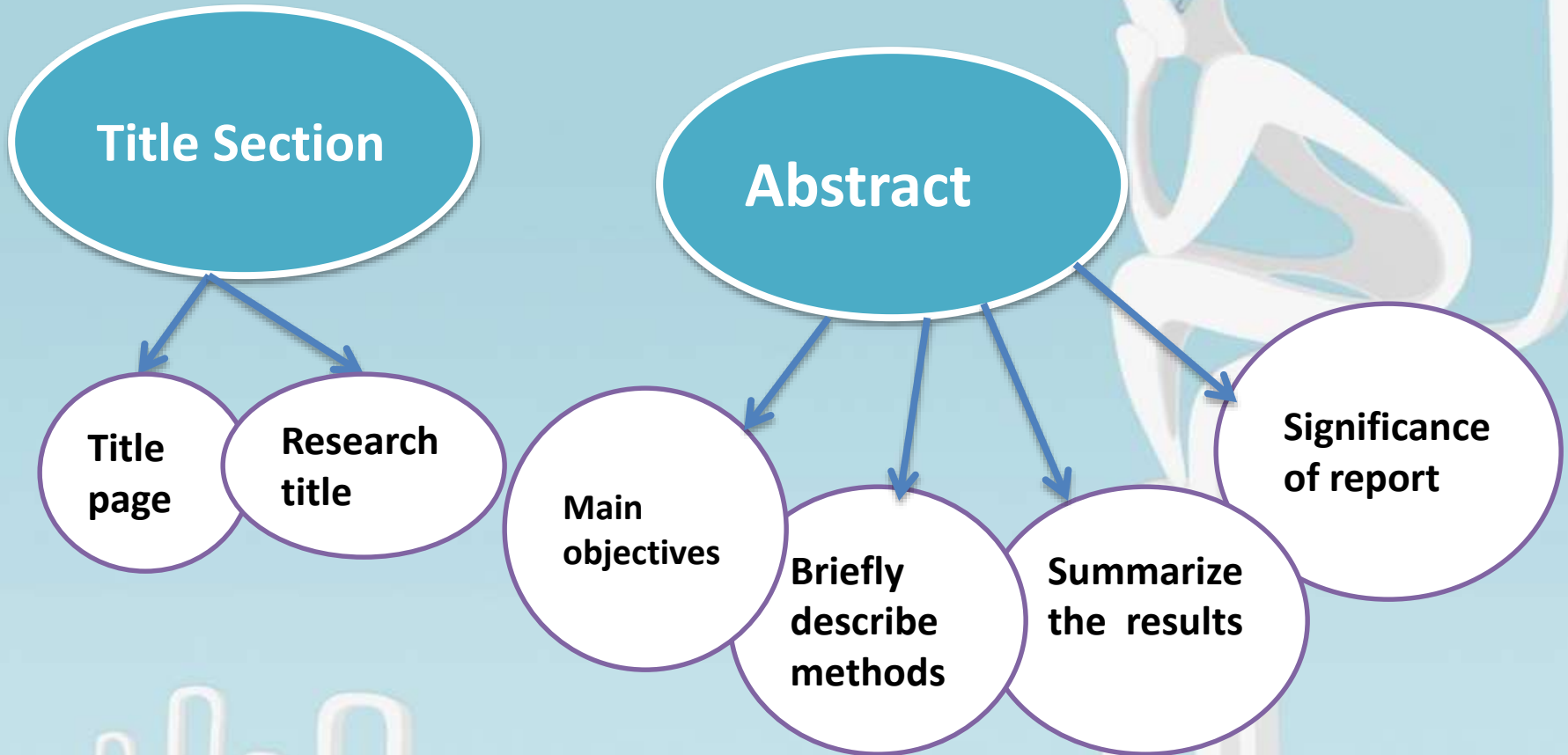
- ✓ Sharing information with other scientists
- ✓ Review the research by other scientists
- ✓ To show what progress has been made
- ✓ To persuade through logical argument

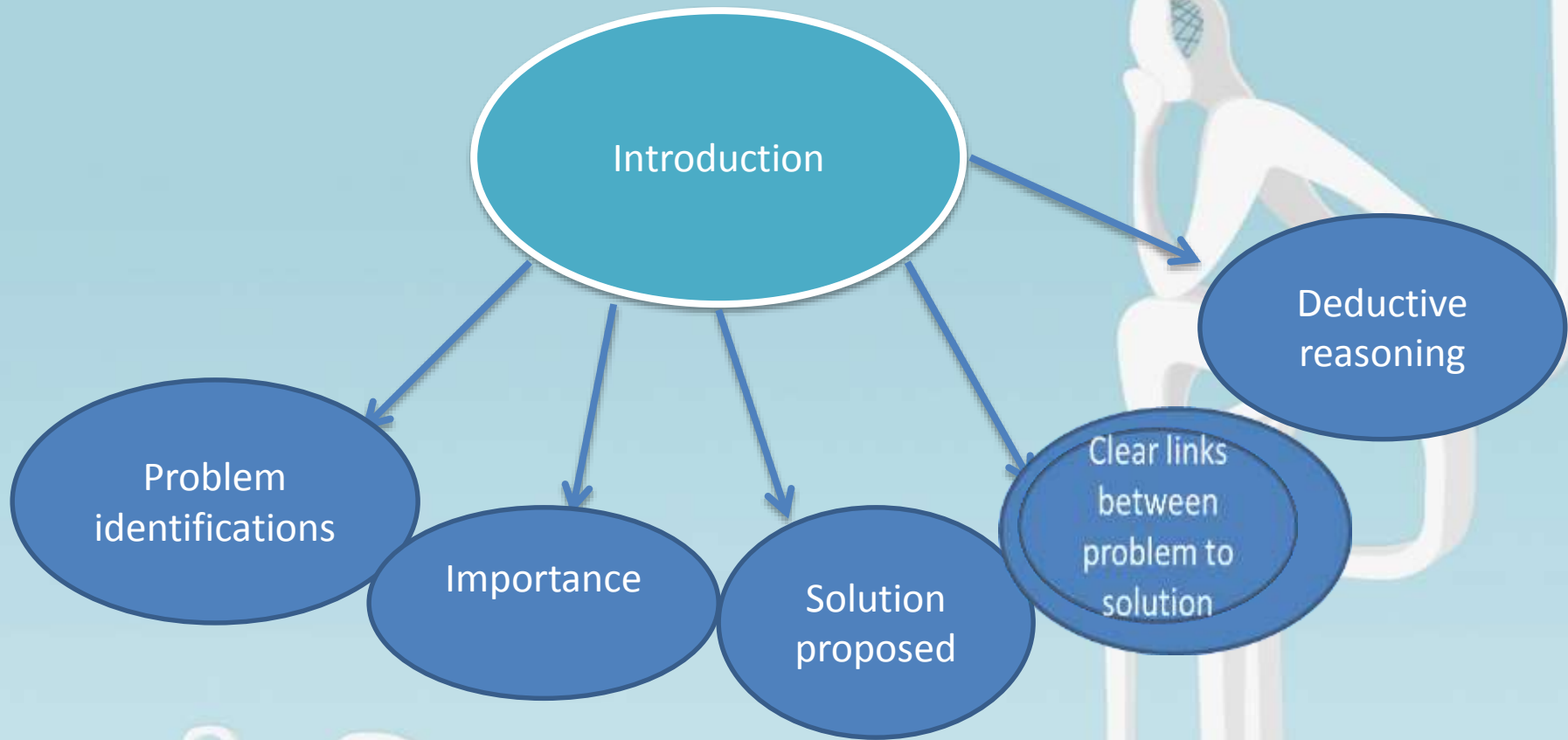




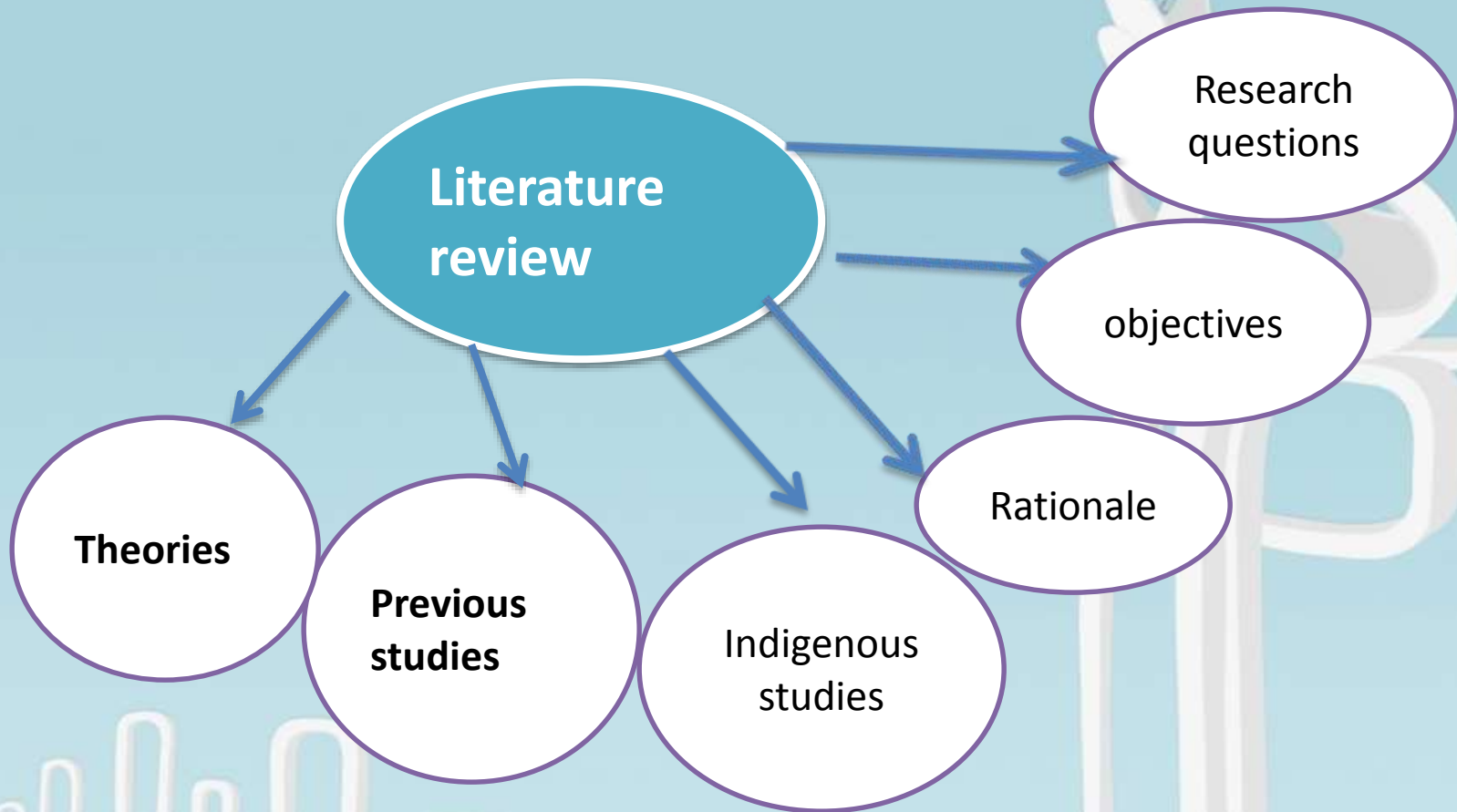
and many considerations

The Report Elements





The Report Elements

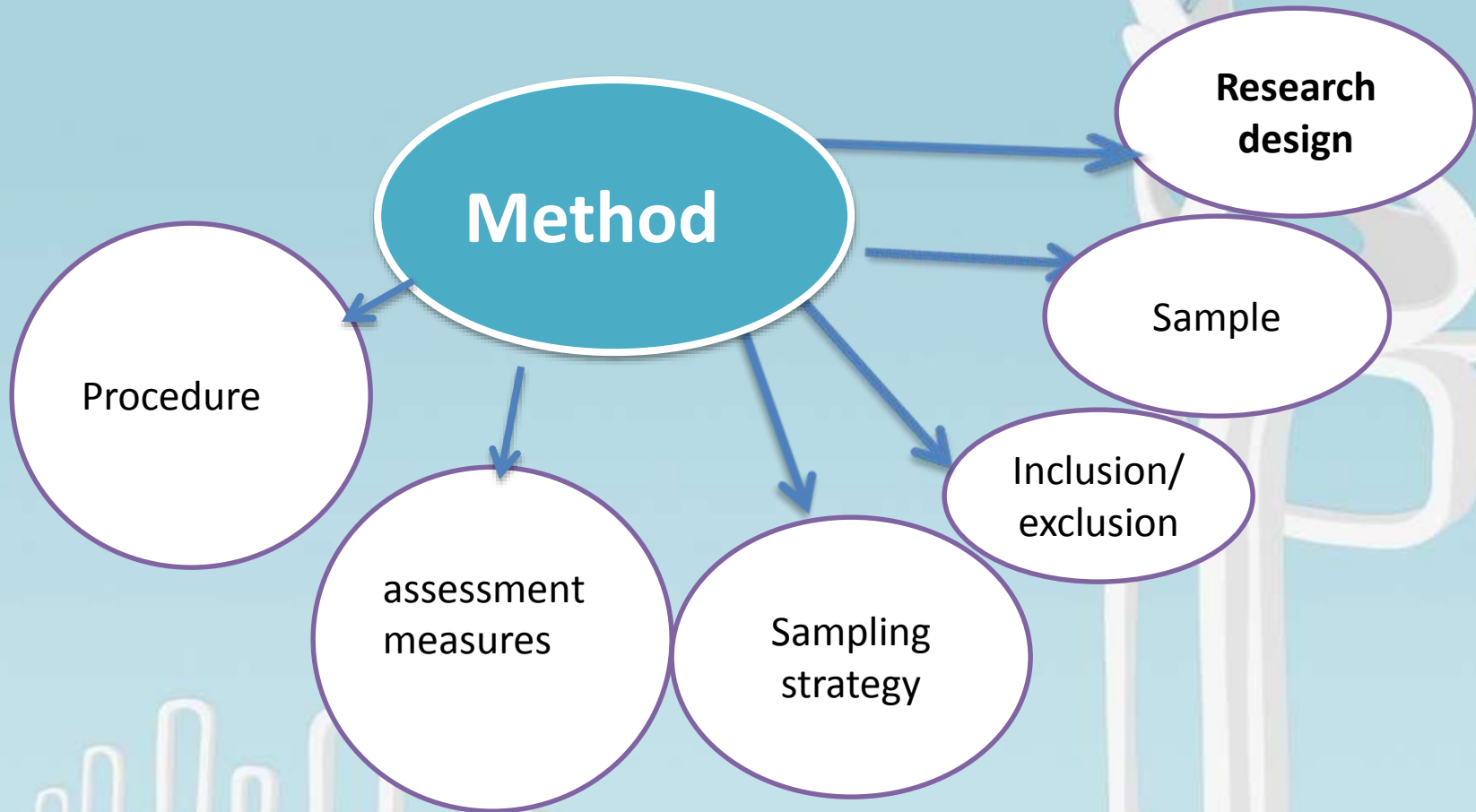


The Report Elements

- Method
- Result
- Discussion



Methodology

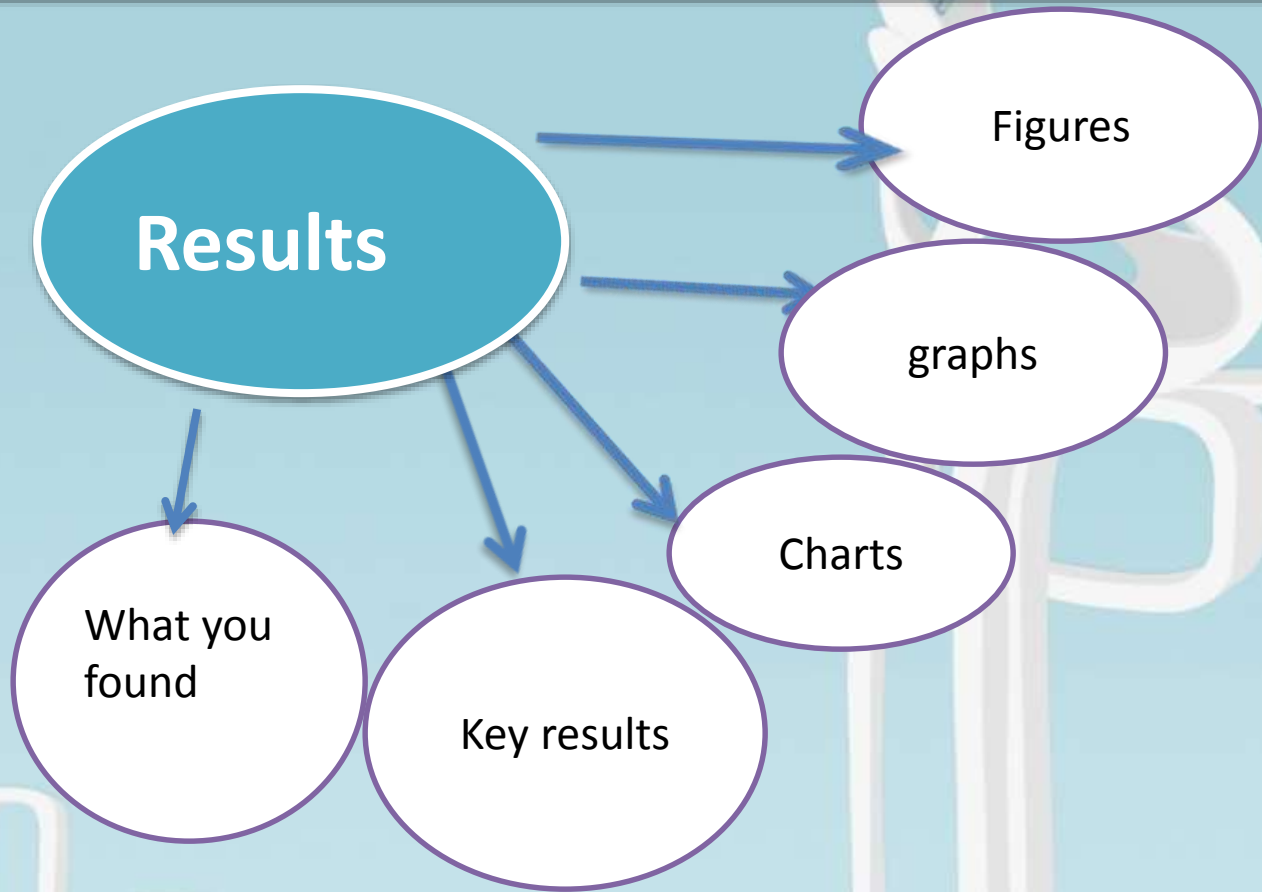


Methodology

- **Style and structure**
 - use narrative structure
 - past passive voice
 - written in chronological order i.e. time order



Results



Results

- **Style and structure**

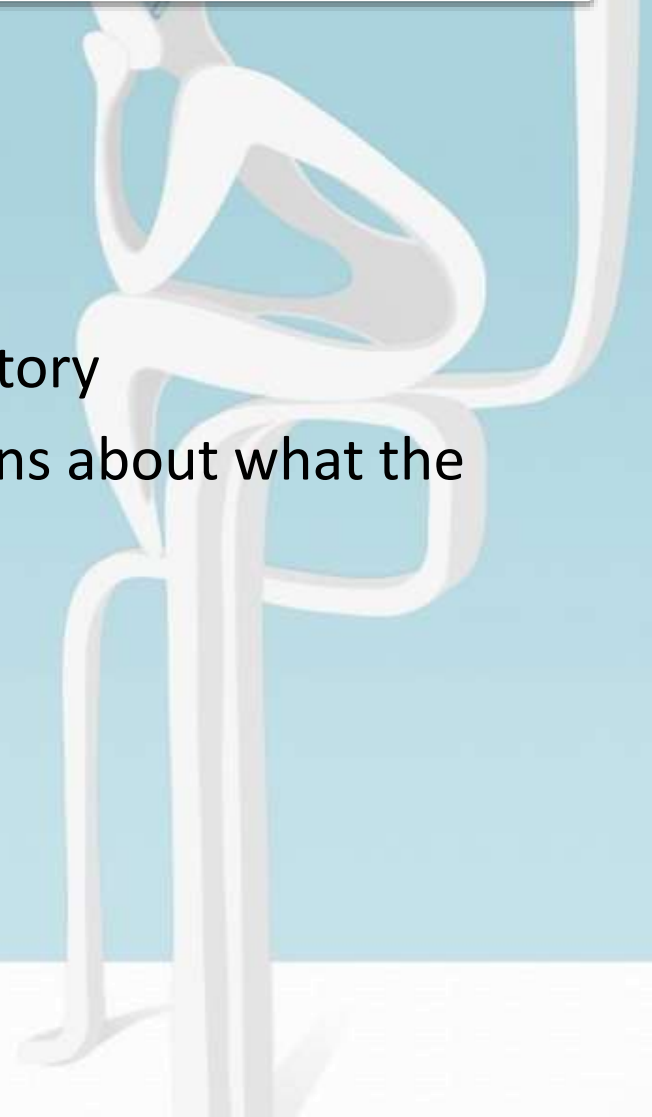
- active voice (past tense).

- descriptive titles of figures and tables

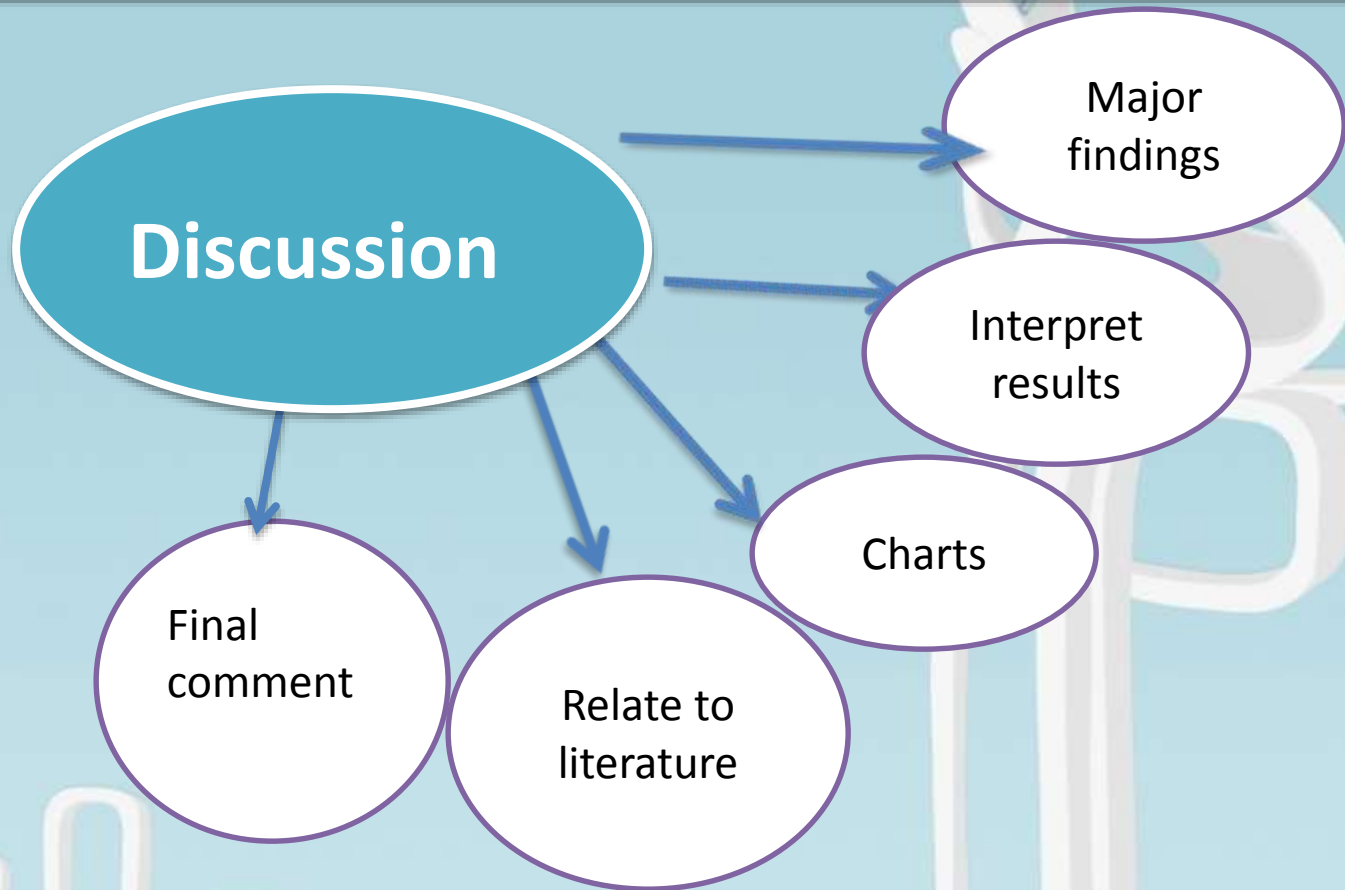
- Figures and tables should be self-explanatory

- No interpretation of the data or conclusions about what the data

might mean are given in this section



Discussion



Report format

- Conclusion
- Recommendations
- Glossary
- References
- Appendices



Conclusion

- A conclusion is not merely a summary of your points or a restatement of your research problem but a synthesis of key points.
- **Importance of good conclusion**
 - presenting the major issue you raised in report
 - summarizing your thoughts
 - demonstrating the importance of your ideas
 - introducing possible new or expanded ways of thinking.



Recommendations

- Action to be taken based on the conclusion of the report

Glossary

- Alphabetical listing of key terms in the report

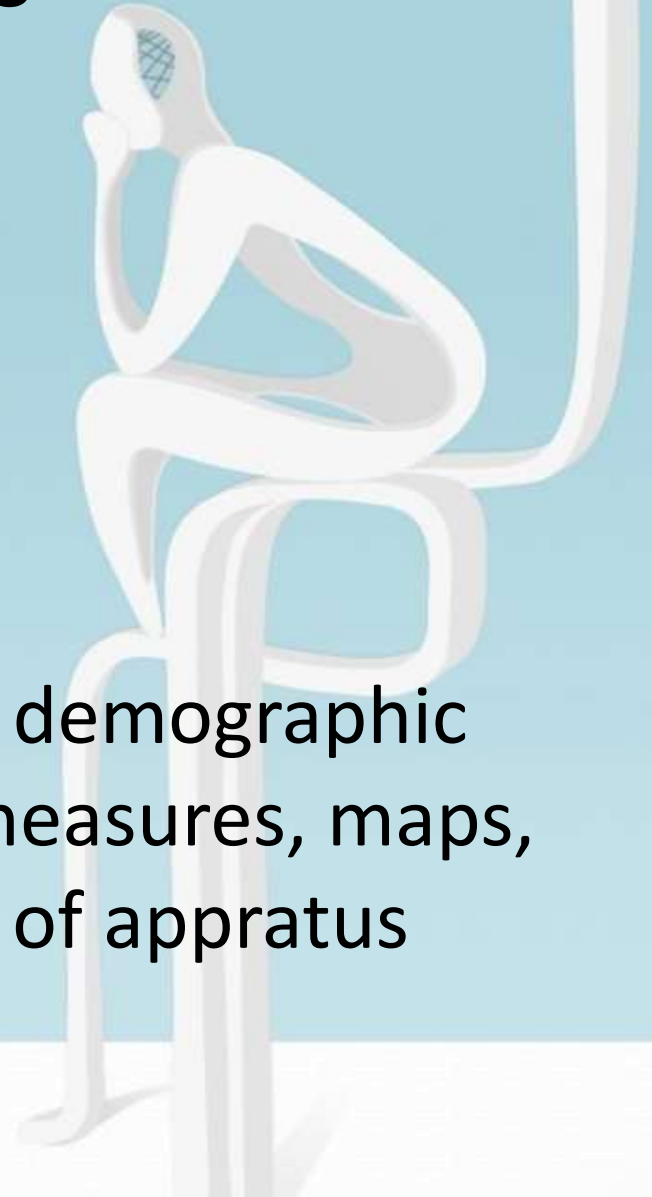


References

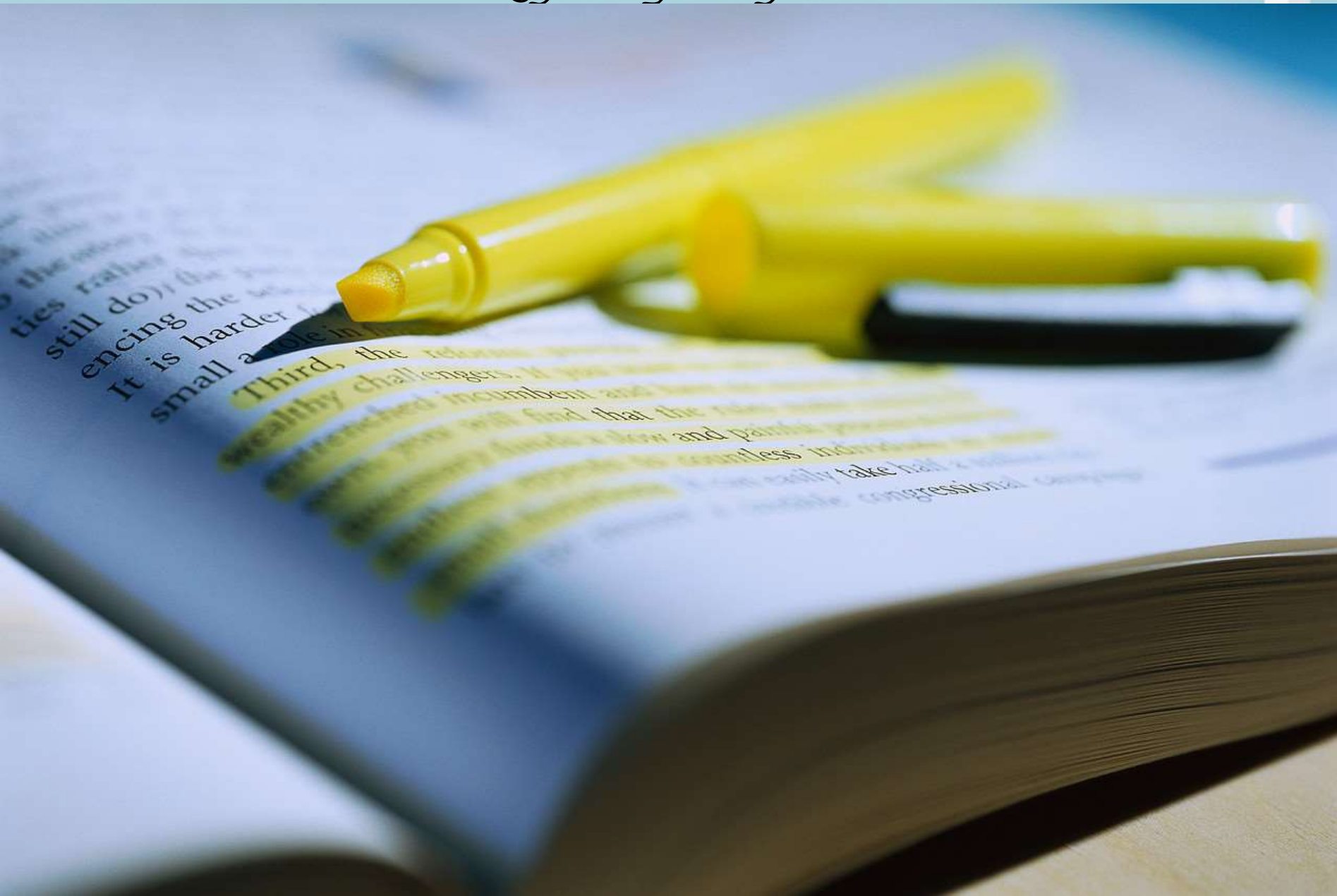
- List of sources
- Use of recommend style
- APA

Appendices

- It is a good place to put analysis, demographic information sheet, assessment measures, maps, extra photographs and diagrams of apparatus



Thank you for your time





Any questions??





participate
in **RESEARCH**