



# CATAJ RESEARCH AND WRITING WORKSHOP

## QUANTITATIVE RESEARCH WRITING

CALGARY  
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# INTRODUCTION

- **Anton Svendrovski**
- **MBA, MSc (Math), B.CompSc**
- **Based in Toronto, Canada**
- **Founder and Principal Statistician at StatsHelp**
- **11 years experience**
- **Over 1200 customers in 12 countries**
- **Helping art therapy students**
- **Frequent speaker at conferences**









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# COMPONENTS OF QUANTITATIVE RESEARCH

- **ABSTRACT**
- **INTRODUCTION**
- **METHODOLOGY (MATERIALS AND METHODS)**
- **RESULTS**
- **DISCUSSION**
- **REFERENCES**

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# ABSTRACT

- **ONE PARAGRAPH, LESS THAN 250 WORDS**
- **OVERALL PURPOSE OF THE STUDY, RESEARCH PROBLEM BEING INVESTIGATED**
- **STUDY DESIGN**
- **KEY FINDINGS OR TRENDS**
- **BRIEF SUMMARY OF INTERPRETATIONS AND CONCLUSIONS**

Source: <https://libguides.usc.edu/writingguide/abstract>

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# **INTRODUCTION (+LITERATURE REVIEW)**

**MENTAL ROADMAP TO ANSWER READER'S FOUR QUESTIONS:**

- **WHAT WAS I STUDYING?**
- **WHY WAS THE TOPIC IMPORTANT TO INVESTIGATE?**
- **WHAT DID WE KNOW ABOUT THIS TOPIC BEFORE I DID THIS STUDY?**
- **HOW WILL THIS STUDY ADVANCE NEW KNOWLEDGE OR UNDERSTANDING?**

Source: <https://libguides.usc.edu/writingguide/introduction>

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# **METHODOLOGY**

- **HOW WAS THE DATA COLLECTED OR GENERATED?**
- **HOW WAS IT ANALYZED?**
- **RESTATE THE RESEARCH PROBLEM**
- **DATA ANALYZED OR SUBJECTS**
- **TOOLS AND METHODS USED**
- **HOW DATA WAS PROCESSED AND ANALYZED**

Source: <https://libguides.usc.edu/writingguide/methodology>

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# RESULTS

- **REPORT THE FINDINGS OF THE RESEARCH WITHOUT INTERPRETATION**
- **DO NOT IGNORE NEGATIVE RESULTS**
- **HIGHLIGHT IMPORTANT FINDINGS**

Source: <https://libguides.usc.edu/writingguide/results>

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# DISCUSSION

- **INTERPRET AND DESCRIBE THE SIGNIFICANCE OF YOUR FINDINGS**
- **CONNECT TO RESEARCH QUESTIONS AND HYPOTHESES**
- **EXPLAIN HOW YOUR STUDY ADVANCED UNDERSTANDING OF THE RESEARCH PROBLEM**
- **LESSONS LEARNED, RECOMMENDATIONS TO IMPROVE SITUATION, BEST PRACTICES**
- **LIMITATIONS OF THE STUDY**

Source: <https://libguides.usc.edu/writingguide/discussion>

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# REFERENCES (BIBLIOGRAPHY)

- LIST OF CITED RESOURCES (BOOKS, ARTICLES, DISSERTATIONS, WEBSITES, MULTIMEDIA SOURCES, GOVERNMENT PUBLICATIONS, ETC)
- ARRANGED ALPHABETICALLY BY AUTHOR
- OFTEN ORGANIZED USING APA STANDARD REFERENCE STYLE (CATAJ)

Source: <https://libguides.usc.edu/writingguide/annotatedbibliography>

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# QUESTIONS?

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