TITLE

Student Name

Dissertation Prepared for the Degree of

DOCTOR OF PHILOSOPHY

UNIVERSITY OF NORTH TEXAS

TBD 2023

APPROVED: [ ]

**Professor Name**, *Major Professor*

**Professor Name**, *Committee Member*

**Professor Name**, *Committee Member*

**Professor Name**, *Chair of the Department of Learning Technologies*

Kinshuk, *Dean of the College of Information*

Victor Prybutok, *Dean of the Toulouse Graduate School*

Author Last, Author First J. An analysis of the XYZ uses of educational technology tools in a setting. Doctor of Philosophy (Learning Technologies), May 2025, 140 pages, 11 tables, references, 157 titles.

The purpose of this dissertation was to expand knowledge and theory XYZ uses of educational technology tools in a setting. The first article an X-type analysis study of the historic impacts of educational technology (A) from 1995-2023 on K-12 school use. This study found YYY articles that described or employed these tools for research and presents the research findings regarding their efficacy for supporting learning. This study provided a depiction of real world impacts from the use of Z technology on learning. The second article presented research conducted using surveys with training managers in 15 different companies to determine their perceptions regarding the use of technology (B) on compliance-related activities with employees. Recommendations for improvement to designing these technologies and trainings resulted from the study. The final article produced a study involving technologies (B) and (C) that employed pre- and post-tests to determine if training using that technology produced statistically significantly improved user learning in ZZZ compliance training with higher education administrators. This final study resulted in BBB results, indicating HHH statistically significant differences between the tool delivery systems. The findings indicated that technology (C) shows promise for increasing the value and efficacy of compliance trainings in higher education settings.

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# CHAPTER ONE

INTRODUCTION

 Education is significant to human future because the future workforce depends on development of people’s knowledge and skills, and these result from advancing education. Such importance drives people to constantly improve the education in different aspects, e.g., student learning performance, teacher experience, social awareness.

## Need for the Research

## Research Questions or Topics of Inquiry

## Outcomes and Contributions to the Body of Knowledge

 Three articles resulting from this dissertation research and reporting are presented in the following chapters. Each of the article includes the appropriate literature reviews and research methodologies. Data analyses and visualizations for each article are presented with the results and discussions. Each of the articles are linked with exploring how

## Structure of the Dissertation

## Definition of Terms

Information technology (Example):

Data mining (Example):

Text mining: (Example)

Topic modeling: (Example)

## Delimitations

## Summary

# CHAPTER TWO

ARTICLE TWO: ADD TITLE HERE

Abstract

Add abstract from article or chapter here as published.

*Index terms*: Add key terms from article or chapter here as published

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# CHAPTER THREE

ARTICLE TWO: ADD TITLE HERE

Abstract

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*Index terms*: Add index terms as published here

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# CHAPTER FOUR

ARTICLE THREE: ADD TITLE HERE

Abstract

Add abstract as published here

Index terms: Add key terms as published here

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# CHAPTER FIVE

IMPLICATIONS AND CONCLUSIONS

## Introduction

## Review of the three manuscripts and their relationships to build a coherent narrative of how they address the research questions / topics

## Practical/Practice implications for the outcomes of three pieces taken together

## Theoretical implications for the outcomes of three pieces taken together

## Significance of the Dissertation

## Limitations

## Future Research

## Conclusion

##

# APPENDIX

## Appendix A

Article 1 Approval from the publisher

## Appendix B

Article 2 Approval from the publisher

## Appendix C

Article 3 Approval from the publisher

## Appendix D

Article 1 IRB approval

## Appendix E

Article 2 IRB approval

## Appendix F

Article 3 IRB approval

## Appendix G

Article 1 Instrument (e.g., survey)

## Appendix H

Article 2 Instrument (e.g., interview protocol)

## Appendix I

Article 3 Instrument (e.g., pre and posttest)

# REFERENCES

Algarni, A. (2016). Data mining in education. *International Journal of Advanced Computer*

 *Science and Applications, 7*(6).

Asif, R., Merceron, A., Ali, S. A., & Haider, N. G. (2017). Analyzing undergraduate students’

 performance using educational data mining. *Computers & Education, 113*, 177-194.

Akçapınar, G. (2015). How automated feedback through text mining changes plagiaristic behavior in online assignments. *Computers & Education, 87*, 123-130.

Arispe, M., Capucao, J., Relucio, F., & Maligat Jr, D. E. (2019). Teachers’ sentiments to Bikol MTB-MLE: Using sentiment analysis and text mining techniques. *International Journal of Research Studies in Education, 8*(4), 21-26.

Abuzir, Y. (2018). Innovative Model for Student Project Evaluation Based on Text Mining. *International Journal of Research in Education and Science, 4*(2), 409-419.

Ahmed, W. (2017). Using Twitter as a data source: an overview of social media research tools

 (updated for 2017). *Impact of Social Sciences Blog*.

Anger, I., & Kittl, C. (2011, September). Measuring influence on Twitter. In *Proceedings of the*

 *11th international conference on knowledge management and knowledge technologies*  (pp. 1-4).

Aladwani, A. M. (2015). Facilitators, characteristics, and impacts of Twitter use: Theoretical

 analysis and empirical illustration. *International Journal of Information Management,*

 *35*(1), 15-25.

Akhtar, N. (2014, April). Social network analysis tools. In *2014 fourth international conference*

 *on communication systems and network technologies* (pp. 388-392). IEEE.