TITLE

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Dissertation Prepared for the Degree of

DOCTOR OF PHILOSOPHY

UNIVERSITY OF NORTH TEXAS

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Kinshuk, *Dean of the College of Information*

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Author Last, Author First, Middle Initial. An analysis of the XYZ uses of educational technology tools in a setting. Doctor of Philosophy (Learning Technologies), May 2025, 140 pages, 11 tables, 287 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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# ACKNOWLEDGEMENTS

Table of Contents

[ACKNOWLEDGEMENTS 2](#_Toc132376210)

[LIST OF TABLES 5](#_Toc132376211)

[LIST OF FIGURES i](#_Toc132376212)

[CHAPTER 1 1](#_Toc132376213)

[Conceptual Framework (if appropriate) 1](#_Toc132376214)

[Overview of the Problem 1](#_Toc132376215)

[Need for the Study 1](#_Toc132376216)

[Purpose of the Study 1](#_Toc132376217)

[Research Questions or Topics of Inquiry 1](#_Toc132376218)

[Outcomes and Contributions to the Body of Knowledge 1](#_Toc132376219)

[Structure of the Dissertation 2](#_Toc132376220)

[Definition of Terms 2](#_Toc132376221)

[Delimitations 2](#_Toc132376222)

[Summary 2](#_Toc132376223)

[CHAPTER 2 3](#_Toc132376224)

[Introduction 3](#_Toc132376225)

[Theoretical and/or Conceptual Framework 3](#_Toc132376226)

[Foundational Research 3](#_Toc132376227)

[Recent Studies 3](#_Toc132376228)

[Need for the Study 3](#_Toc132376229)

[Summary 3](#_Toc132376230)

[CHAPTER 3 4](#_Toc132376231)

[Introduction 4](#_Toc132376232)

[Study Goals 4](#_Toc132376233)

[Research Questions or Topic(s) of Inquiry 4](#_Toc132376234)

[Hypotheses *(if needed)* 4](#_Toc132376235)

[Research Design 4](#_Toc132376236)

[Setting(s) 4](#_Toc132376237)

[Participants 4](#_Toc132376238)

[Sampling Procedure. 4](#_Toc132376239)

[Recruiting Approach. 4](#_Toc132376240)

[Variables (if needed) 4](#_Toc132376241)

[Data Collection 5](#_Toc132376242)

[Instrumentation 5](#_Toc132376243)

[Data Analysis 5](#_Toc132376244)

[Data Preparation 5](#_Toc132376245)

[Diagnostic Review 5](#_Toc132376246)

[Data Analysis / Procedures 5](#_Toc132376247)

[Validation procedures 5](#_Toc132376248)

[Triangulation (if needed) 5](#_Toc132376249)

[Credibility and Trustworthiness Establishment (if needed) 5](#_Toc132376250)

[Threats to Validity 5](#_Toc132376251)

[Researcher Ethics / Bias / Subjectivity Disclosure (if needed) 5](#_Toc132376252)

[Summary 5](#_Toc132376253)

[CHAPTER 4 7](#_Toc132376254)

[Introduction 7](#_Toc132376255)

[Quantitative Results *(if appropriate)* 7](#_Toc132376256)

[Hypothesis 1 Results 7](#_Toc132376257)

[Hypothesis 2 Results 7](#_Toc132376258)

[Hypothesis 3 Results 7](#_Toc132376259)

[Qualitative Results *(if appropriate)* 7](#_Toc132376260)

[Survey Results 7](#_Toc132376261)

[Interview or Narrative Results 7](#_Toc132376262)

[Results Synthesis *(if appropriate)* 7](#_Toc132376263)

[Summary 7](#_Toc132376264)

[CHAPTER 5 8](#_Toc132376265)

[Introduction 8](#_Toc132376266)

[Research Discussion Overview 8](#_Toc132376267)

[Research Question or Topic of Inquiry 1 Findings Discussion 8](#_Toc132376268)

[Research Question or Topic of Inquiry 2 Findings Discussion (if needed) 8](#_Toc132376269)

[Research Question or Topic of Inquiry 3 Findings Discussion (if needed) 8](#_Toc132376270)

[Research Question or Topic of Inquiry 4 Findings Discussion (if needed) 8](#_Toc132376271)

[Practical/Practice Implications *(if needed)* 8](#_Toc132376272)

[Theoretical Implications *(if needed)* 8](#_Toc132376273)

[Significance of the Dissertation / Contributions to the Field 8](#_Toc132376274)

[Limitations 8](#_Toc132376275)

[Future Research 9](#_Toc132376276)

[Conclusion 9](#_Toc132376277)

[APPENDIX 10](#_Toc132376278)

[Appendix A 11](#_Toc132376279)

[Appendix B 12](#_Toc132376280)

[Appendix C 13](#_Toc132376281)

[Appendix D 14](#_Toc132376282)

[Appendix E 15](#_Toc132376283)

[Appendix F 16](#_Toc132376284)

[REFERENCES 17](#_Toc132376285)

# LIST OF TABLES

[Table 1 vii](#_Toc132377261)

Example Table Formatted for TGS

Table 1

# LIST OF FIGURES

Page

[*Figure 1.* Test 1 figure title. viii](#_Toc132377217)

Example Figure Formatted for TGS

*Figure 1.* Test 1 figure title.

# CHAPTER 1

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.

## Conceptual Framework (if appropriate)

## Overview of the Problem

## Need for the Study

## Purpose of the Study

## Research Questions or Topics of Inquiry

### Outcomes and Contributions to the Body of Knowledge

This background literature, methods, findings, and conclusions are presented in the following chapters. Data analyses and visualizations for each article are presented with the results and discussions in the final chapters.

### Structure of the Dissertation

## Definition of Terms

Information technology (Example):

Data mining (Example):

Text mining (Example):

Topic modeling (Example):

## Delimitations

## Summary

# CHAPTER 2

LITERATURE REVIEW or BACKGROUND

## Introduction

## Theoretical and/or Conceptual Framework

## Foundational Research

## Recent Studies

## Need for the Study

## Summary

# CHAPTER 3

METHODS or METHODOLOGY

## Introduction

## Study Goals

## Research Questions or Topic(s) of Inquiry

## Hypotheses *(if needed)*

## Research Design

## Setting(s)

## Participants

### Sampling Procedure.

### Recruiting Approach.

## Variables (if needed)

## Data Collection

### Instrumentation

## Data Analysis

### Data Preparation

### Diagnostic Review

### Data Analysis / Procedures

## Validation procedures

### Triangulation (if needed)

### Credibility and Trustworthiness Establishment *(if needed)*

### Threats to Validity

### Researcher Ethics / Bias / Subjectivity Disclosure *(if needed)*

## Summary

# CHAPTER 4

FINDINGS

## Introduction

## Quantitative Results *(if appropriate)*

### Hypothesis 1 Results

### Hypothesis 2 Results

### Hypothesis 3 Results

## Qualitative Results *(if appropriate)*

### Survey Results

### Interview or Narrative Results

## Results Synthesis *(if appropriate)*

## Summary

# CHAPTER 5

IMPLICATIONS AND CONCLUSIONS

## Introduction

## Research Discussion Overview

### Research Question or Topic of Inquiry 1 Findings Discussion

### Research Question or Topic of Inquiry 2 Findings Discussion *(if needed)*

### Research Question or Topic of Inquiry 3 Findings Discussion *(if needed)*

### Research Question or Topic of Inquiry 4 Findings Discussion *(if needed)*

## Practical/Practice Implications *(if needed)*

## Theoretical Implications *(if needed)*

## Significance of the Dissertation / Contributions to the Field

## Limitations

## Future Research

## Conclusion

# APPENDIX

## Appendix A

IRB Approval Letter / Email

## Appendix B

Instrument 1 [e.g., survey or test]

## Appendix C

Instrument 2 [e.g., interview protocol] (if needed)

## Appendix D

Recruiting email / flyer / other

## Appendix E

Other if needed

## Appendix F

Other if needed

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