

EDTC806 Dr. Shamburg

Assignment: Theoretical Framework

After you read the four literature reviews for this week, briefly discuss them--what were their focuses? Did you notice any differences or similarities? Where any parts confusing? How did they describe the source material? How did they connect it to their research? Feel free to answer one or many of these guiding questions.

The following four articles have very different theoretical frameworks. Pick two of the articles and describe how the theoretical framework (also referred to as the theoretical lens) affects the entire research project. Please keep your total post to under 300 words.

Kaiser, F. J. (2023). # TeacherQuitTok: A content analysis of how current and former teachers navigate attrition on TikTok.

Martínez, C., & Olsson, T. (2021). Domestication outside of the domestic: shaping technology and child in an educational moral economy. *Media, Culture & Society*, 43(3), 480-496.

Richardson, J. W., Lingat, J. E. M., Hollis, E., & Pritchard, M. (2020). Shifting Teaching and Learning in Online Learning Spaces: An Investigation of a Faculty Online Teaching and Learning Initiative. *Online Learning*, 24(1), 67-91.

Shamburg, C., Amerman, T., Zieger, L., & Bahna, S. (2022). When school bells last rung: New Jersey schools and the reaction to COVID-19. *Education and Information Technologies*, 27(1), 23-44.

Response

How does the theoretical framework of An Investigation of a Faculty Online Teaching and Learning Initiative affect the entire research project? Given that this is a Mixed-method study. It was organized to improve the insight of one-on-one interviews and surveys, along with the adaptation of a given innovation that explained the actions specified amid – ideas, practices, or objects. Adapting and succeeding in incorporating qualitative and quantitative approaches, drawing from the grounded diffusion of innovation (DOI) theory; in which, the quantitative consequence of the survey determined the starting point, and subsequently the qualitative details depicted distinctions between participants. The entire research project was composed of these surveyable constructs.

The theoretical framework on Young Children, Digital Media, and Smart Toys affected the research plan. The mention of recent research on the use of autonomous toys (i.e. smart toys), that incorporated AI to mimic human interactions, which is needed to exemplify the quality of a phenomenon. Using a qualitative investigative approach that studied participants from uniformed cultures, which in turn gave an in-depth understanding of the cultivation of smart toys. The domestication theory was applicable to incorporate seeing that participants were adopting smart toys into their lives. Good parenting skills were explored, due to the possibility of nefarious actions. For example, hacking or hidden cameras could be imposed on toys. Because of this, parental intervention in digital technologies was instituted, which brought about restrictions on digital protocols. The effect of children's psychological behavior was studied comprehensively within a detailed analysis of categories and subcategories. There were theoretical research questions that imposed hypotheses that developed themes used for the general outcomes of the study.

References

R. Brito, P. Dias & G. Oliveira, 2018, Young children, digital media and smart toys: How perceptions shape adoption and domestication, Vol 49 No 5 pg. 807-820

Jayson W. Richardson, and John Eric M. Lingat, 2020, Shifting Teaching and Learning in Online Learning Spaces: An Investigation of a Faculty Online Teaching and Learning Initiative, Volume 24(1), 67-91.

Assignment Overview of Basic Qualitative Studies

What are some advantages of qualitative studies? Braun and Clark (2006) give an overview for thematic analysis in qualitative research. Propose a study in 1-2 paragraphs (100-200 words) that would use their type thematic analysis. HINT-- If you want suggestions or ideas, you can go to Google Scholar or Proquest and search for scholars that cite them.

Response

John Sargent lli

4/14/24, 3:17 PM

This research introduces a pattern in which a repetitive occurrence helps the brain retain knowledge when qualitative researchers evaluate data, take a resting period, and present that data in a thematic analytical approach. An important facet of research is finding evidence to support desired outcomes; this becomes a rewarding action in the context of interpreting data. Sleeping directly after mentally securing the date sends the hippocampus region of the brain into activation mode due to a rewarding condition. This resting period helps support the researcher's long-term memory, Nilsen (2021). Parker's illustrious guild, 'The Concise Human Body' writes the hippocampus is "involved with learning, recognizing new experiences, and short-term memory". (2019). Without deviation after rest, if the researcher plunges into the presentation of acquired data, the information can be substantially articulated in a more clearly formed thematic analysis. Thematic analysis combs for patterns throughout qualitative data via thematic decomposition analysis, Braum (2006). The pattern represented here is research, rest, and presentation.

Some advantages of qualitative studies are the augmentation of data and having people skills for interviewing.

References

Braum, V., & Clarke, V. (2000), Using thematic analysis in psychology, *Qualitative Research in Psychology*, 3.2, 77-101

Nilsen, S., (2021) What happens when you sleep, *Science Connection Magazine*, [https:// What Happens When You Sleep: The Science of Sleep | Sleep Foundation](https://www.sleepfoundation.org/what-happens-when-you-sleep-the-science-of-sleep)

Parker, S., (2019), *The Concise Human Body Book*, DK Publishing, Penguin Random House, 2nd Edition

Assignment: Action Research

After your reading, describe an idea for an action research study. It can be done in k-12, adult, or informal settings. Please reply to two of your classmates.

Response

John Sargent Iii

4/29/24, 4:56 AM

The Action research study would bring the Administrators, Instructors, and Community Leaders together in a forum to discover how to approach the participation issues with the students who register for GED studies at Orange County Community College.

- share data that interprets how students feel about studying for their GED.

This is to say, what area of study can be improved to allow for the best GED testing outcomes? Sharing the data from GED practice test results. Target the individual students who are having problems with specific subjects.

- go over the participation data, what days of the week, and what hours are best suited for specific students to engage in the learning process. What is best for these targeted students to learn the testing materials?

This entails an understanding of the student's social behaviors. What makes the specific student want to have their GED? What social factors can cause the student not to participate in the GED studies session?

- evaluating how specific students think about learning, by testing their intelligence quotient and comparing their knowledge to the testing material.

This will give instructors an idea of how to present data to keep the students participating in the GED studies program.

- follow the students once they leave the program whether they participated or not, we should know and understand what all our students are doing once they leave the program.

This will give us an idea of how our program affected the community. Therefore, giving us a better understanding of the community growth and the attitudes of the next generation of undereducated adults that might come through our GED program.

Assignment: Topics and Methods from Proquest Central

Find three articles in Proquest Central (using the advanced search techniques) on a topic of interest to you (restorative justice, games in education, artificial intelligence) that use a qualitative method (interview, case study, ethnography, digital ethnography, etc.). You can mix and match the topics and methods, and do not have to use the same topic or method. Cite in APA and quote the three abstracts.

Response

John Sargent Iii

4/21/24, 3:00 PM

Articles in ProQuest Central

John Sargent

Article I

Social Influences Contribution to African Americans Discontinuing K-12 and Enrolling in General Education Development Programs

This article highlights in the abstract that a case study qualitative research methodology was used. Importantly, the abstract provides multiple themes and elaborates on the findings that support these themes. For example, Harrison states, “The finding materialized that a lack of interaction existed between the teachers and parents”. Student and teacher relationships were pointed out as a theme early in the abstract.

Article II

Urban youth and the alternative to a high school diploma

The article uses participatory action research to gather qualitative data. The abstract is short giving a broad purpose in the first sentence. In the second sentence, Tuck covers the title by injecting, “Although scholars and journalists debate the worth of the credential, urban youth continue to pursue the GED, especially as a proxy for inadequate schooling”. The abstract ends with telling sentences about the importance of the study.

Article III

Building homes and hope

Elaborating with a detailed explicit explanation of the title in the opening sentence of the abstract attracts the reader's attention, and when Nehls states, “Service providers can better understand how to increase and support reconnection and well-being, especially among low-income individuals in communities with great needs for support services”, the title is highlighted more significantly. This abstract states that this is a transformative service study using qualitative research data that needs more research done.

References

Harrison, D., (2017), Social Influences Contribution to African Americans Discontinuing K-12 and Enrolling into General Education Development programs, Northcentral University ProQuest Dissertation Publishing, 10599940, [Social Influences Contributing to African Americans Discontinuing K-12 Education and Enrolling into General Education Development Programs - ProQuest Central - ProQuest](#)

Nehls, K. (2021), Building homes and hope, The Journal of Service Marketing, Santa Barbara, Vol. 35 Iss. 8, 1045-1060, DOI:10.1108/JMS-03-2020-0098

Tuck, E., (2012), Urban youth and the alternative to a high school diploma, The High School Journal, Chapel Hill, Vol. 95 Iss. 4, 4-18, [Repatriating the GED: Urban youth and the alternative to a high school diploma - ProQuest Central - ProQuest](#)

Assignment: Quantitative Research (1 of 2)

Describe validity and reliability in quantitative research. Give an example of measurement (or group of measurements) and the variable it is supposed to measure as an example of 'construct validity'.

Response

John Sargent lll

3/15/24, 7:53 AM

When managing quantitative research such as that found in behavioral attitudes, the data quality determines its validity and reliability. Especially, in the researcher's vital conclusion which stems from how the data was collected to support their hypothesis. For example, group random sampling targeting a specific population can provide a useful dictum, in that, the data's validity conceptualizes the trustworthiness and strength of a researcher's work, and the data's reliability reinforces the researcher's credibility and practicality.

Nonetheless, the importance of observing and defining variables and their measurements describes the quality of gathered information. As in the example above the usage of group random sampling attains measurements by chance using a table of random numbers or a software-developed random generator, (A. Tashakkori & C. Teddlie). Needless to say, AI would be a productive way to establish construct validity when utilizing group random sampling to document measurements.

Reference

Abbas Tashakkori & Charles Teddlie, (1998), Mixed Methodology Volume 46

Assignment: Ethical Considerations

Describe a research project that you might do and how briefly describe how you would ensure the welfare of human participants. Please keep your post to between 200-300 words.

Response

John Sargent lll

3/3/24, 1:31 PM

In instructing adult education over the past four years, I've run across students from multicultural backgrounds and different age groups - some exhibiting social and mental disorders. In most of my classes, I start with 15 to 27 students ranging in ages from 17 to 59 and generally, I end the term

with 3 to 7 students respectively. I would like to research my past students who didn't complete the GED program.

As an Instructor at Orange County Community College (OCCC), it becomes challenging to get to the heart of why students withdraw from our GED program. Because of protections via HIPAA, (America Health and Insurance Portability and Accountability Act), I'm restricted from asking tough questions about any student's social or mental impediments. For example, I would like to ask, "Are you taking medication for your ADHD (attention deficit hyperactivity disorder)"? or, "What doctor diagnosed you with autism and are you collecting social security benefits"? These questions are very invasive under ethical standards, and for this reason, - HIPAA exists. Some of the entities that exist under HIPAA are, 1) Information your doctors and nurses put in your medical records and 2) conversations your doctor has about your care and treatment, [Your Rights Under HIPAA | HHS.gov](#). Safeguards are in place at OCCC to ensure the protections under HIPAA are considered when asking students questions about medical issues. Hence, certain questions can trigger an internal investigation – and nobody wants that.

My intent in questioning students face to face or within a survey is to build trust, and if the student were to voluntarily give medical information, I can then, and only then - focus on the gist of why they feel the need to end their quest for a GED.

Assignment: Propose a Quantitative Study (discussion 2 of 2)

In 200 words or fewer, propose a quantitative study. Cite one other study that is similar to your proposal. It should involve some sort of descriptive or inferential statistics.

Response

John Sargent lli

3/24/24, 2:33 AM

The purpose of this study is to measure the commitment by parsing NY State's with another state's attendance for GED students registered at a Community College. Why doesn't SUNY Orange institute attendance criteria as other community colleges do around the county? Working as an instructor within SUNY Orange's adult education department for the past five years. I have never been given any directive from the administration on handling absenteeism. My classes generally start with eighteen or more students and end with five or fewer. This approximately gives a mean of twenty-eight percent of students who complete the GED course. According to the Director of the Adult Education Department, "less than five percent of the GED student's population college-wide take the GED test". This is a staggering and disturbing statistic for the growth of communities in NY State.

In other States like Oklahoma, the Oklahoma City Community College, (OCCC) has initiatives to help with student retention. They have a monitoring program that supports relationships with every student. Their policy states "Mentees must be coachable, cooperative, and willing to be held accountable by a mentor", [Home - Oklahoma City Community College \(occc.edu\)](#). GED test-taking statistics aren't given for OCCC.

Assignment: Methods and Experience

Creswell and Creswell write:

Researchers' personal training and experiences also influence their choice of approach. An individual trained in technical, scientific writing, statistics, and computer statistical programs and familiar with quantitative journals in the library would most likely choose the quantitative design. In contrast, individuals who enjoy writing in a storytelling or literary way, conducting personal interviews, or making up-close observations may gravitate to the qualitative approach.

What in your background or personality, would make you a strong qualitative researcher?

What in your background or personality, would make you a strong quantitative researcher?

Response

John Sargent Iii

1/21/24, 4:36 AM

At the youthful age of 20, I joined the US Navy and fell in love with Microwave Transmitting Devices (MTDs). The in-depth training on shipboard radar applications included the Magnetron, the Klystron power amplifier, and the GUNN (Gallium Arsenide Oscillator). After I was honorably discharged, I spent the following two years getting an associate degree in electronics. My studies involved electronic components application and design at the board level. Recruited out of Tech School, I worked on highly advanced semi-conductor building equipment with IBM for seven years – got laid off and landed a job with Daimler Benz building state-of-the-art train systems. While installing the Newark Airport Monorail, I achieved a double major in Mathematics and Computer Science. When I was released from this position, I joined the Railroad where I moonlighted as a graduate student and completed my master's degree in computer science. Spending my life around STEM-related endeavors makes me a strong quantitative researcher.

Before my time in the US Navy, I was a strong and gifted athlete growing up in the inner city of Philadelphia. Surrounded by gang violence, drugs, and police brutality; I was able to luckily escape the degradation of inner-city life. What I left behind were humanistic stories, personal communications, and the experiences that made me who I am today. My past, present, and future life make me a strong qualitative researcher.

Assignment: Research Designs

Search for research articles in areas of your interest in peer reviewed journals using the NJCU Database (see the video in this week's folder). Find two research articles that interest you. Briefly describe the purpose and method (research design) of each one. You should only need to read the abstract and first paragraph or two to find this information. Cite each article in APA format, followed by your description. Please write no more than 100 words per article. Reply to two of your classmates' posts.

Response

John Sargent Iii

1/27/24, 7:51 PM

The below information was accumulated from an NJCU database. Both excerpts are research interests of the author.

Writing 1

This article evaluates the use of problem-based video podcasts to teach mathematics in higher education. [Evaluating the use of problem-based video podcasts to teach mathematics in higher education](#). It is a mirrored illustration of my goals in developing a product to help students who have dropped out of school and are trying to achieve their GED. The quantitative-designed composition proposes to give audio and video interpretations working with mathematics and scientific methods given autodidactic implementations of swayable observations. It elaborates that podcasts are a mere mathematics and science learning tool where students can view lectures or PowerPoint presentations.

Writing 2

This quantitative developed excerpt is used to show that Podcasts can replace in-person lectures. [Using podcasts to replace lecture: Effects on student achievement](#). Podcasts are developed for screen printing or video clips; they also can convey audio and published multimedia files for broadcasting over the internet. The prosperity of the World Wide Web is the consequence of dispersing information to a variety of audiences. For example, educational institutions use the Web for students, instructors, and the public to research topics. The research experience is very different than in-person lectures, especially, when students utilize podcasts to accomplish their research.