

Name

LITE 508 – Logsdon

Summer 2024

### Instructions:

Use your textbook and associated readings to select a research question and research method for your project. Your research questions should have practical value to education, technology, or librarianship, and be of interest to the class. Follow the procedures for your method to develop a data collection process. Ideally, your research question should be narrow and able to be answered by a brief data collection process. You may only do studies that DO NOT involve human subjects. Examples of projects could include collecting circulation statistics, content analysis of web sites; unobtrusive observation, or comparing data sets publicly available.

Your literature review should be related to the research question and contain a minimum of 4 quality journal articles from WKU databases such as EBSCO. Citations must be in APA format and include the citation of the database you used.

You will use one of the data visualization tools introduced in class. Your presentation can use any presentation platform that can be viewed by the professor and must include all elements of the research process included in the project chart. A portion of your presentation must include the animation developed in your Animation Module and must be related to your research project. The presentation you create based on the study will be no more than 10 minutes in duration. (Please note: It is highly likely that you will not be anywhere near 10 minutes. This is **fine**. Having a shorter presentation is not an indication that you did anything wrong.)

**Please delete these directions PRIOR to your first submission.**

#### Phase #1

Research Question: (This question should be simple and answered by your research)

Type of Research Question and Rationale: (Will you use a Quantitative approach or Qualitative approach to answering your question)

Hypothesis: (If method is Quantitative make a prediction about what answer your research will reveal)

Data Collection Method: (What tools will you use to collect data, how will you go about it?)

## **Phase #2**

Data Visualization Tool: (What data visualization tool will you use to tell your story?)

Procedure: (Describe the step-by-step process you will use to collect and analyze your data)

Research Subjects/Objects: (what are you studying?)

Literature Review: (Review a minimum of 4 research articles from WKU Databases such as EBSCO – Consider this like an annotated bibliography. In addition to the four research articles in APA, you will need to write a paragraph for each explaining its connection and relevance to your research.)

## **Phase #3**

Data Collection: (present your raw data in a table or other form that the reader can understand)

Data Analysis: (present your data visually and discuss your analysis based on your visual representations)

Results: (Discuss your data in relation to your data visualization and your original question)

Conclusion: (Discuss your conclusions and how it agrees or disagrees with the literature review)

Limitations: (Discuss how the scope or methods of your study limit your conclusions)

Recommendations: (what practical recommendations do you have based on your study)

## **Phase #4**

Link to animation presentation –

## **Grading Rubric:**

### **Research Project – 100 pts**

- Target - All elements of the chart are complete. Required sections of the chart or required revisions are completed on time. All statements in the chart are in complete sentences and are relevant to the study. All citations follow APA format.
- Developing - All elements of the chart are complete. Required sections of the chart or required revisions are completed on time. All statements in the chart are in complete sentences and are relevant to the study. Most citations follow APA format.

- Not on Target - Not all elements of the chart are complete. Required sections of the chart or required revisions are not completed on time. All statements in the chart are not in complete sentences and/or are relevant to the study. The citations contained APA format errors.

#### **Quality of Research Process – 200 pts**

- Target - All elements of the research process were developed and executed thoroughly and thoughtfully, with each step representing an understanding of the research question and the methods used to answer the question. The literature review is comprised of high quality, relevant journal articles from WKU databases such as EBSCO. The data collection and analysis were completed with accuracy and the discussion of the results, conclusions and limitations reflect a thinking process related to the research question. Data visualization tools were used effectively to highlight the results of the study. The results and conclusion provide insights into topics relevant to the libraries, informatics, or technology in education.
- Developing - All elements of the research process were developed and executed, with most steps representing an understanding of the research question and the methods used to answer the question. The literature review is comprised of high quality, relevant journal articles from WKU databases such as EBSCO. The data collection and analysis were completed with accuracy and the discussion of the results, conclusions and limitations are related to the research question. Data visualization tools were used effectively to highlight the results of the study. The results and conclusion provide information on topics relevant to the libraries, informatics, or technology in education.
- Not on Target - Not all elements of the research process were developed and executed. Many of the elements did not communicate an understanding of the research question and the methods used to answer the question. The literature review is not comprised of high quality, relevant journal articles from WKU databases such as EBSCO. Data visualization tools were not used effectively to highlight the results of the study. The data collection and analysis were not completed with accuracy and the discussion of the results, conclusions and limitations are not related to the research question. The results and conclusion fail to provide information on topics relevant to the libraries, informatics, or technology in education.

#### **Presentation - 50 pts**

- Target - The presentation made effective use of data visualization, design, and media technology to communicate the research process, results, and conclusion in an engaging manner. Data is displayed for participants to easily understand the results of the study. The Animation Module was used in the presentation and related to the research project. Presentation contained all of the required elements.
- Developing - The presentation made use of data visualization, design, and media technology to communicate the research process, results, and conclusion. The results of the study are displayed visually. The Animation Module was used in the presentation and was related to the research project. The presentation contains all the required elements.
- Not on Target - The presentation did not make effective use of design and media technology to communicate the research process, results, and conclusion. There is no visual display of the data. The presentation did not contain all the required elements.