[Unit 5-2](https://smc-ch.neolms.com/student_lessons/list/2307248" \o "List all lessons)

Quantitative Research Design Project

* [Instructions](https://smc-ch.neolms.com/student_freeform_assignment/show/19509938)

Instructions

Quantitative Research Design:  Combine the previous two parts of the design project along with enhancements from feedback. Create a high level proposal for your quantitative research project. Your proposal will include the following:

* Research problem
* Purpose of research
* Significance of research
* Quantitative Research questions and hypotheses
* Population
* Sampling size
* Data collection
* Instrument description and validation
* (new sections) Statistical analysis methods

This assignment averages 1,000 to 1,500 words for most, please keep it short and simple.  You’re not here to summarize the theory or give definitions.  Please apply the concepts directly to your topic of interest

* [Prepare answer](https://smc-ch.neolms.com/student_freeform_assignment/new/19509938)

Lesson topics and related readings

Lesson overview

This lesson will cover the topics and concepts outlined below. Indivdual amendments to scope, readings and additional content can be provided by course faculty.

|  |  |
| --- | --- |
| Topic | Learning material/related readings |
| * Writing a Research Proposal * Writing a Research Manuscript | Sun, T. (2009). Mixed Methods Research: Strengths of two methods combined.  Onwuegbuzie, Johnson & Collins (2009)  Brause (1999):   * Presenting your findings: drafting and editing your dissertation |

THESE ARE THE TWO PREVIOUS PARTS: the question above made referenced to these two previous parts

Quantitative Research Design Project: Part I (DO NOT ANSWER)

Instructions

Problem definition: Determine a common business challenge of interest.  This could be a potential dissertation topic, although it is still too early to define.  Describe the problem from a research perspective along with its significance in society.  This is a simple paper that guides the rest of your research design project later in the course. Be sure the problem is suited for quantitative research. The paper will cover the following:

* Definition of the problem
* Significance of the problem
* Research questions to be answered and respective hypotheses.

This assignment averages 300 to 500 words for most, please keep it short and simple. This will set you up for your Quantitative Research Design projects. Make sure you review the sample dissertations for examples of these sections.

Have at least 2-3 research journal citations for the problem definitions and significance section.

Lesson topics and related readings

Lesson overview

This lesson will cover the topics and concepts outlined below. Indivdual amendments to scope, readings and additional content can be provided by course faculty.

|  |  |
| --- | --- |
| Topic | Learning material/related readings |
| * Sampling and Generalizability * Measurement, Reliability, and Validity * Methods of Measuring Behavior * Instrument construction | Devers & Frankel (2000) Brause (1999):   * Writing your dissertation proposal while designing your dissertation research   Kim (2009)  Boone, H. N., & Boone, D. A. (2012). Analyzing Likert Data http://www.joe.org/joe/2012april/tt2.php  Sample dissertations/EBSCO articles |

Quantitative Research Design Project: Part II (DO NOT ANSWER)

Instructions

Data Collection and Analysis: This portion of the research design project focuses on the complexity of data collection

* Population description
* Sampling size and access to participants
* Instrument selection
* Validity and reliability of the instrument
* Procedures of data collection (both primary and secondary data)

This assignment averages 500 to 750 words for most, please keep it short and simple.  Be sure to follow the sample dissertations.  Please apply the concepts directly to your topic of interest

Lesson topics and related readings

Lesson overview

This lesson will cover the topics and concepts outlined below. Indivdual amendments to scope, readings and additional content can be provided by course faculty.

|  |  |
| --- | --- |
| Topic | Learning material/related readings |
| * Challenges in data collection with multicultural considerations | Raitoharju, Heiro, Kini & D'Cruz, (2009)  Bebell, O'Dwyer, Russell & Hoffmann, (2010)  Sample dissertations/EBSCO articles |