PAI 705 Research Design for IR Practitioners Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Final Spring 2020

Exam is 20 points. There are 10 questions. Each question is worth 2 points. If there are sub questions, each part is worth an equal share of the 2 points.

1. Match Experiment Characteristic

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| --- | --- | --- |
| Experiment Characteristic | Write Matching Letter | Description |
| Self-Selection Bias |  | 1. I evaluate a treatment and a control with one round of surveys after the intervention has been completed in one site but not the other site.
 |
| One group pretest posttest design. |  | 1. The impact of the treatment is attributable to the passage of time as my baseline was run in time of multiple negative shocks.
 |
| Maturation |  | 1. The data I have collected on attitudes toward extending the stay at home policy are collected from protesters outside of the state Capitol building.
 |
| Poor Instrumentation |  | 1. A threat to internal validity of my panel survey investigating decision making by college students.
 |
| Static group comparison |  | 1. I measure well-being by cash income when the majority of total income in my sample comes from home produced and consumed goods.
 |
| Statistical Regression to the mean |  | 1. One pre-treatment and one post-treatment survey on a given treated sample with no control sample.
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1. Writing survey questions.
	1. What is the main problem with the following question:

Do you not agree that we should not extend the stay at home policy if there is not a decrease in Covid related hospitalization rates? Yes No

* 1. What is the main problem with the following question:

Do you think online education is effective at delivering course content and reducing the amount of time you have to look for matching socks and is letting you learn in an environment that is more comfortable that hot and humid Maxwell 110?

Strongly disagree disagree neutral agree strongly agree

* 1. What is the main problem with the following question:

The TRIPS methodology leads to a valid measure that allows them to rank graduate programs in International Relations. (circle one)

Agree Strongly Agree

* 1. What is the main problem with the following question:

How much time did you study for this test in hours? (tick the box)

🗆 Zero

🗆 Under 3 hours

🗆 3 hours to just under 5 hours

🗆 Over 10 hours

1. Road to Results.
	1. How is monitoring different from evaluation?
	2. Identify and briefly describe the five main components of a theory of change.

4. Research terms.

a. What is meant by an ‘etic’ view?

b. Contrast inductive and deductive research design.

5. Research terms

a) What does Babbie mean by ‘unobtrusive research’?

b. Explain the relationship between ‘unobtrusive research’ and concerns about the Hawthorne effect.

c. Explain the ethics of deception by a ‘participant observer’ with regard to the Hawthorne effect.

6. Experimental methods.

a. Describe briefly how you could set up an experimental design to test the effect on learning outcomes of delivering course content in a campus classroom or online to students through zoom.

7. Evaluation.

a. In discussing types of evaluations one could conduct, we talked about three types of evaluations that have different objectives and timing in the course of project implementation. What are the names, objectives, and timing of each type of evaluation?

8. Qualitative Research.

a. Describe what it means to be a ‘participant observer’ in qualitative research.

b. Note two distinct ethical challenges researchers confront when conducting ‘participant observer’ research.

1. Describe the nominal group technique for focus group research.

9) Describe the Solomon four-group design and the contrasts that can be made using this technique.

10. Research terms:

a) Contrast internal validity and external validity.

b) Contrast reliability with validity.

c) Contrast an index variable and a scale variable.