

Research Methods  
AGSC 5110  
Homework #5 (20 points)  
Due: March 30, 2020

Video assignment

Purpose:

1. It will engage you in basic steps of the scientific method.
2. It will increase your experience with technical/non-technical communication with the public and marketing your science/research.
3. It will increase your experience with current video technology.

Scientific method (a very basic, simple example)

Problem: How to teach individuals to conduct technical procedures.

Hypothesis: Using video will engage the general public and allow them to learn about the subject matter.

Design of Experiment: Create a “how-to” video (1-2 minutes long) of a lab or field procedure that is related to agriculture (i.e. pipetting, soil sampling, Qualtrics survey development, etc). It will begin with you facing the camera and introducing yourself. To receive full points, please include that you are a graduate student in the College of Agriculture at Tennessee State University. The video will also include a brief background about the subject and why it is important (featuring you speaking into the camera) followed by direction of the steps involved in the procedure you have selected (featuring video of these steps being taken).

Data Collection: Use smartphone or other device to collect “video data”. Use video editing software to make it look good. Recommended software: Videoshop (iOS or Android) or OpenShot Video Editor (PC or Mac).

Data Analysis: Videos will be viewed in class on March 30<sup>st</sup>. Email links to video files prior to class or bring them to class on a flash drive.

Testing Hypothesis: 50% of your grade will come from your peers and 50% of your grade will be assessed by the instructor. After viewing videos in class, they will be uploaded to YouTube. The student video with the greatest views by April 8<sup>th</sup> at 4:30PM gets two extra points for the assignment. After April 8<sup>th</sup>, videos will be removed from YouTube unless you ask to have it remain.

## ***Grading Rubric***

A. Assignment requirements	No	Yes
1. The video began with the speaker introducing themselves (including that they are a graduate student in the College of Agriculture at Tennessee State University).	①	②
2. The video included background information on the subject (with the video camera facing the speaker).	①	②
3. The video had a section where the camera was facing the activity as the speaker when through each step.	①	②
4. The video was between 1 and 2 minutes long.	①	②
5. The video was directly related to agricultural or environmental sciences.	①	②

B. Instruction	Strongly Disagree	Disagree	Somewhat Disagree	Somewhat Agree	Agree	Strongly Agree
1. The subject matter was interesting.	①	②	③	④	⑤	⑥
2. The subject matter was presented clearly.	①	②	③	④	⑤	⑥
3. The audio quality was good.	①	②	③	④	⑤	⑥
4. The video quality was good.	①	②	③	④	⑤	⑥