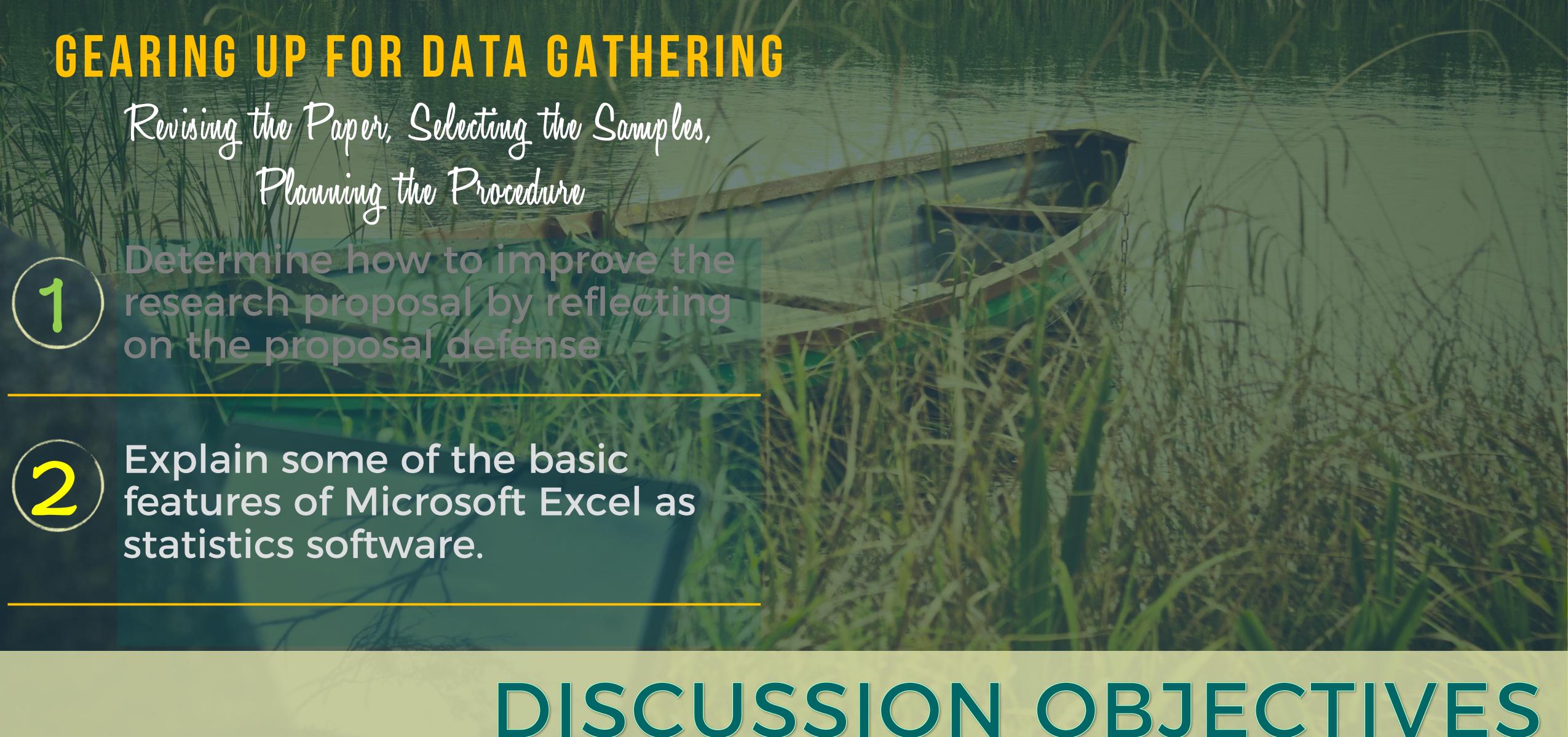
Genning up flow DATA GATHERING

Revising the Paper, Selecting the samples, Planning the Procedure





DISCUSSION OBJECTIVES

GEARING UP FOR DATA GATHERING

Revising the Paper, Selecting the Samples, Planning the Procedure

Determine how to improve the research proposal by reflecting on the proposal defense

2 Explain some of the basic features of Microsoft Excel as statistics software.

Identify samples by performing random sampling through Microsoft © Excel

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This slideshow presentation will be made available through the course website: <u>mathbychua.weebly.com</u>. Download the document to use it as reference.





What were some of the specific concerns that the panel had with your paper?

Were there questions that the panel raised that you weren't able to answer?

On a scale of 1 to 10 (10 highest) how would you rate your

research team's performance in the proposal defense?



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Were there questions that the panel raised that you weren't able to answer?

On a scale of 1 to 10 (10 highest) how would you rate your

research team's performance in the proposal defense?

Are there things you wish you could have done that would have made your defense better? What did you learn from your experience in the proposal defense?



In establishing relationships the researcher must be able to provide evidence that there is a theoretical basis for the variables being studied.

A theory is a conceptual idea used to describe, explain, predict, or understand a certain phenomenon.



Terms to be defined in a research must be limited to the variables and sub-variables (or subscales) in the research.

Some terms need to be conceptually defined (universally accepted definition) while others must be operationally defined (researchers limited definition)



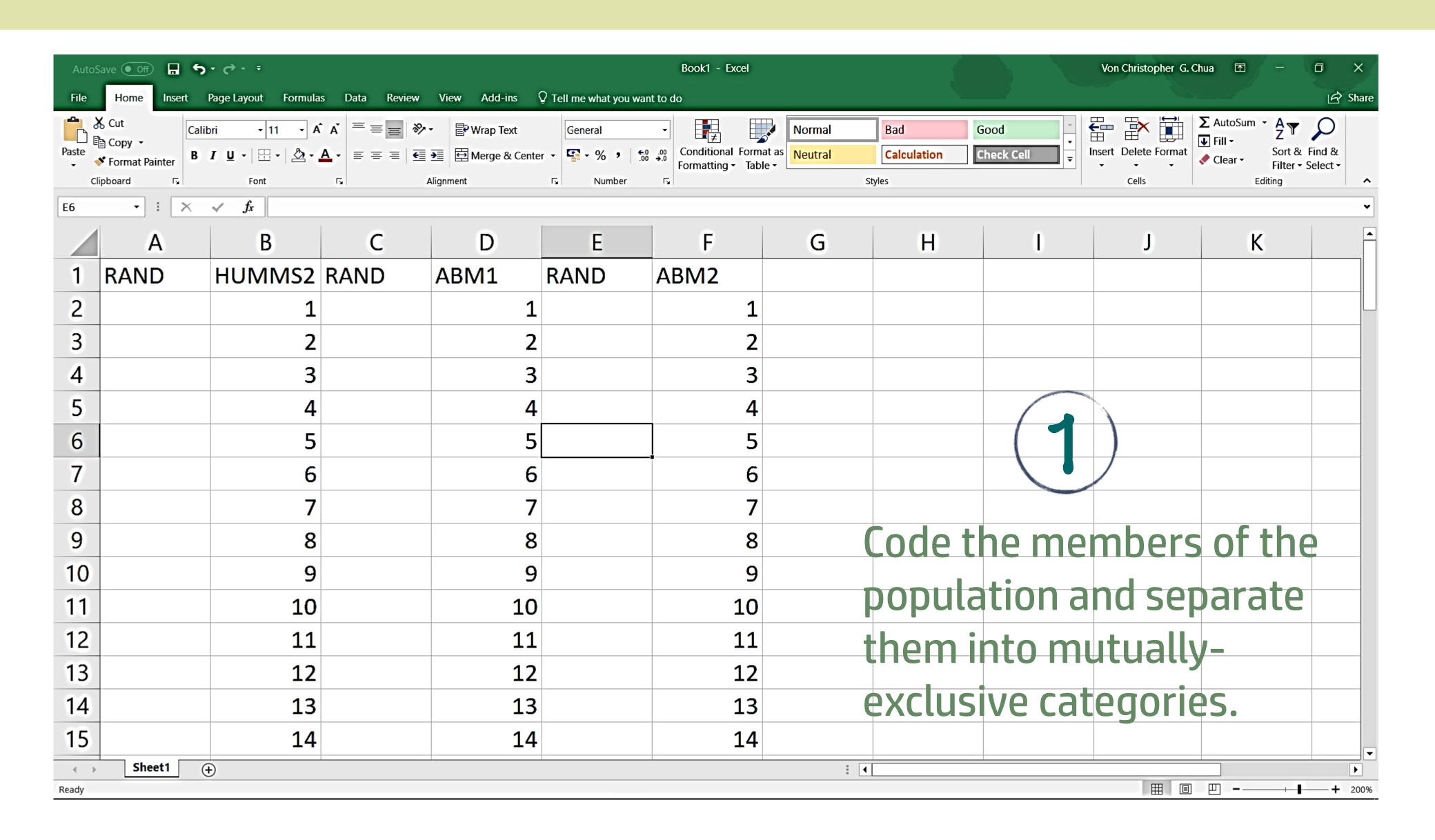
wait, which terms exactly?

The research instrument must:

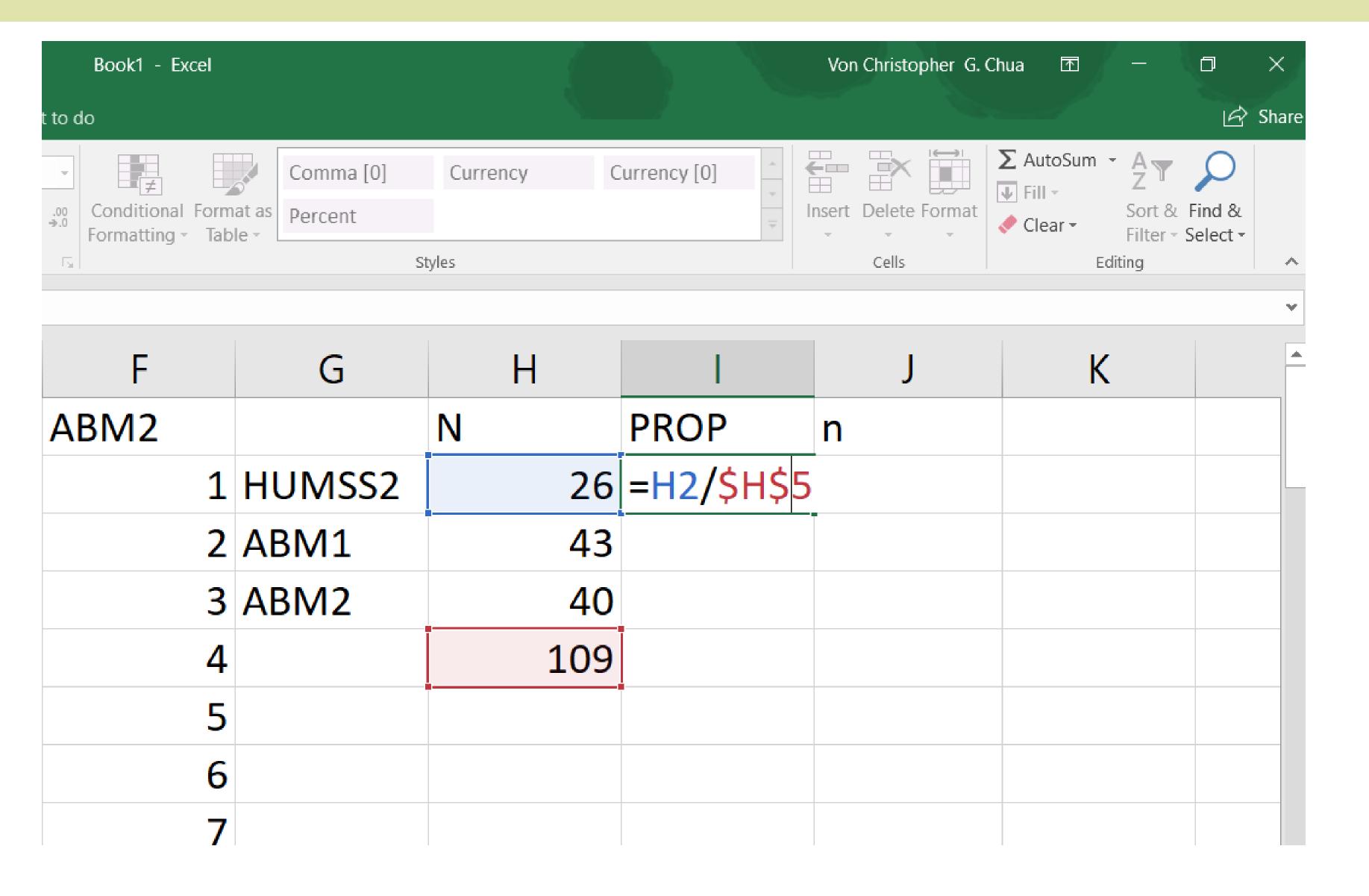
- (1) be from a reputable source (published research);
- (2) measure exactly the same variable in the study based on the operational definition.

Questionnoire troubles





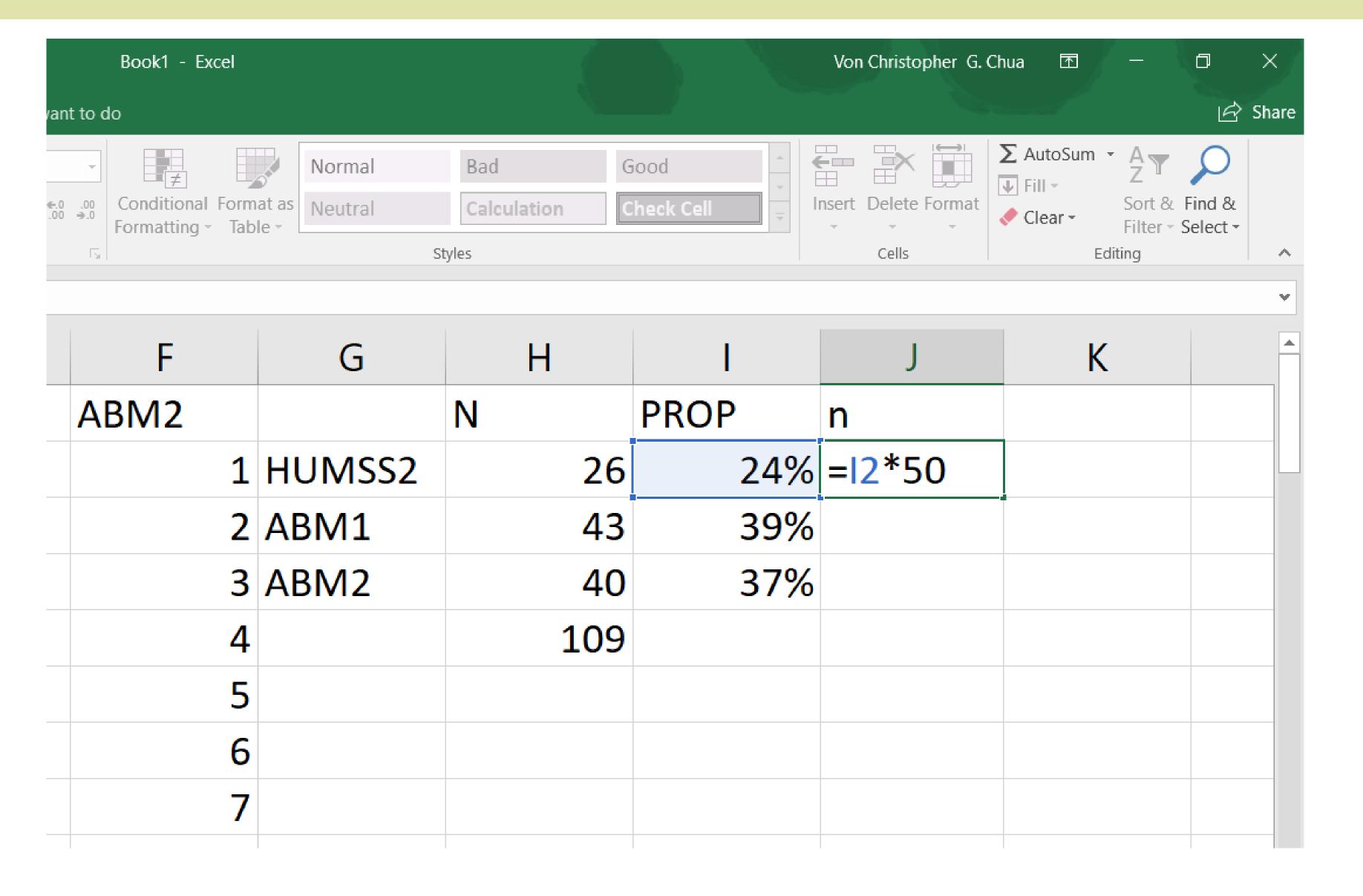






Compute for the sample size per group (or strata) based on the population.

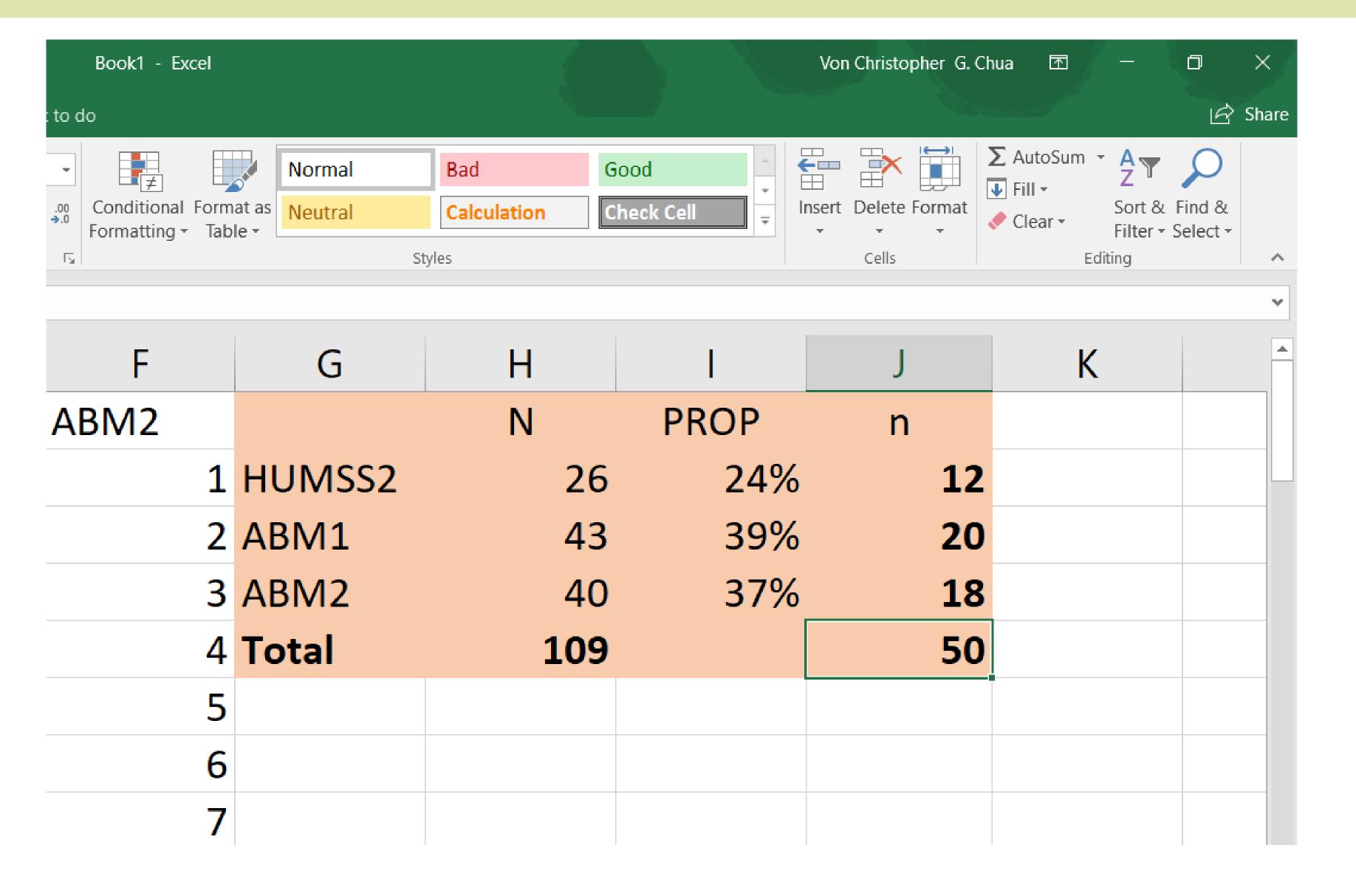






Compute for the sample size per group (or strata) based on the population.

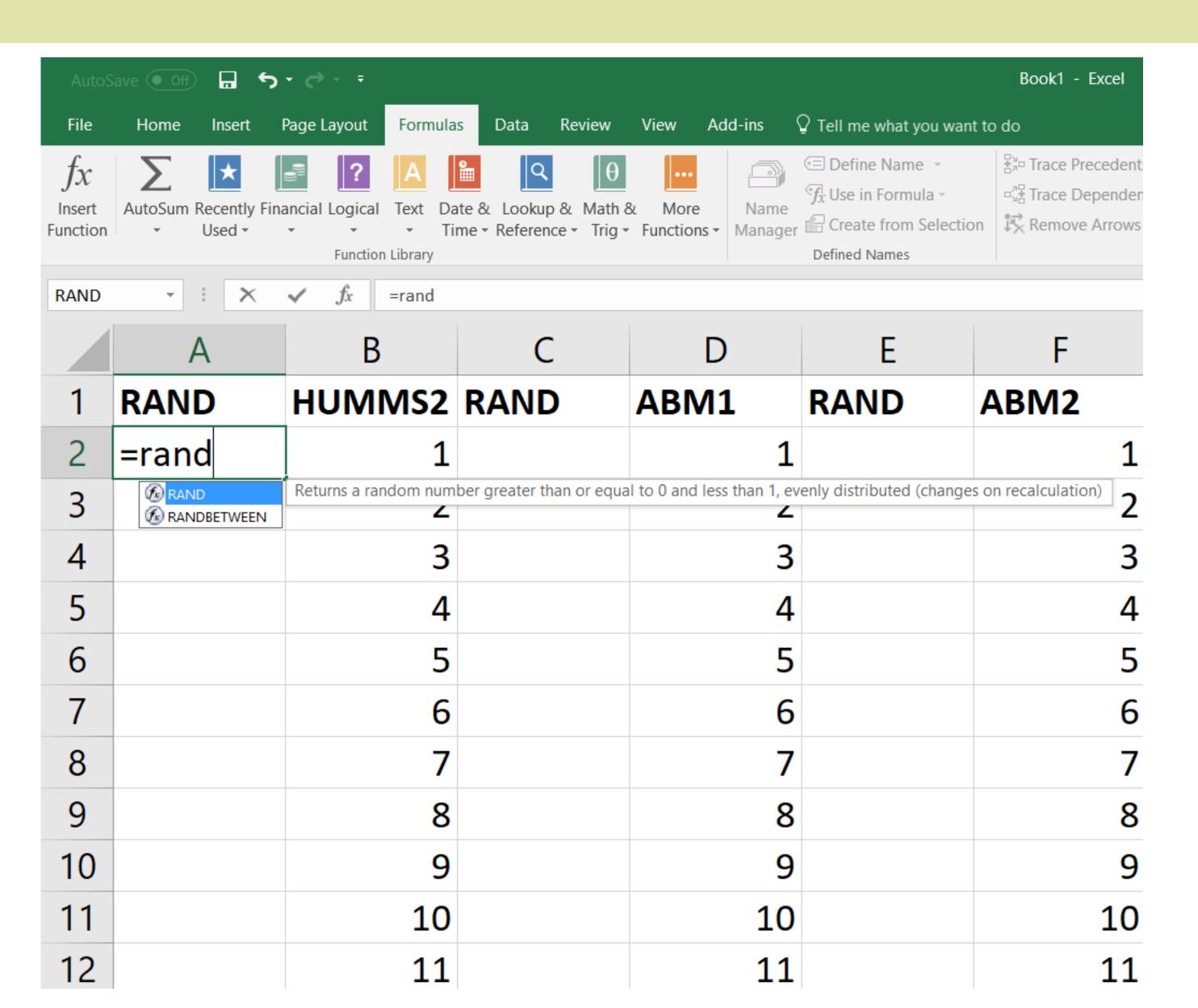






Compute for the sample size per group (or strata) based on the population.



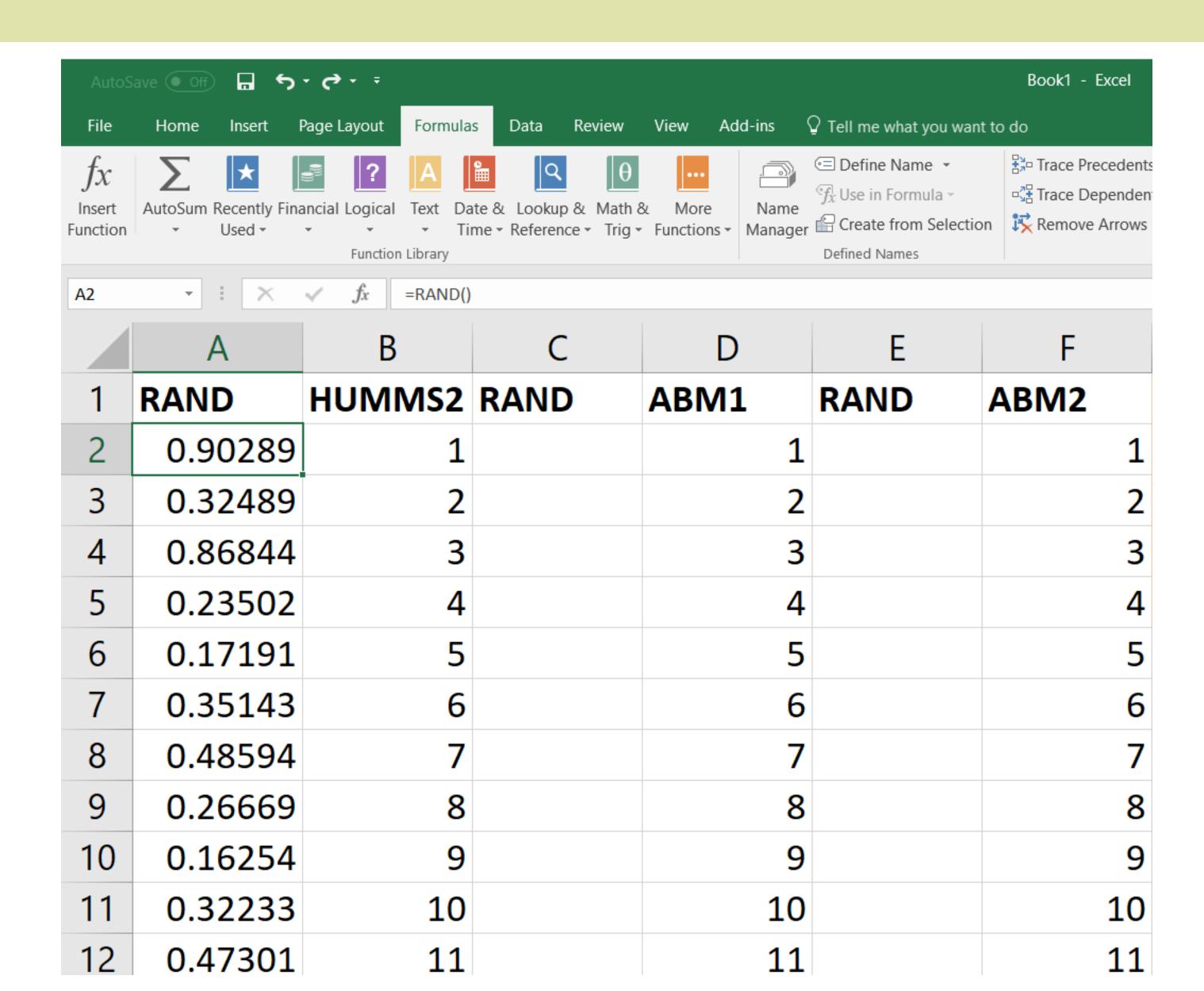




Generate random values for each member of the population using the RAND function of MS Excel

Under the "RAND" column for the first group, enter "=rand" then double click RAND from the options that would appear. Press ENTER.

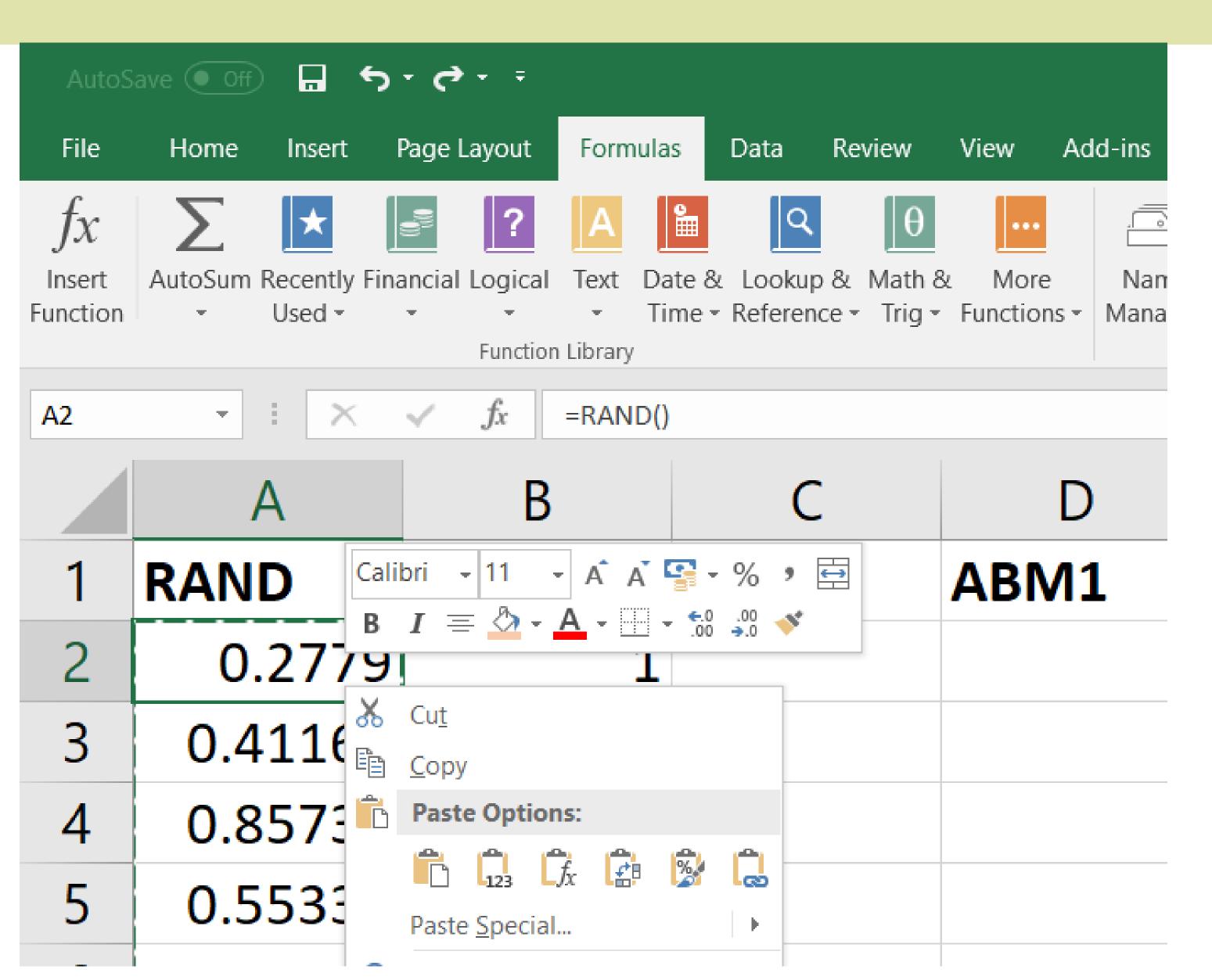






Drag down from the first cell until all members of the population is assigned with a random number.

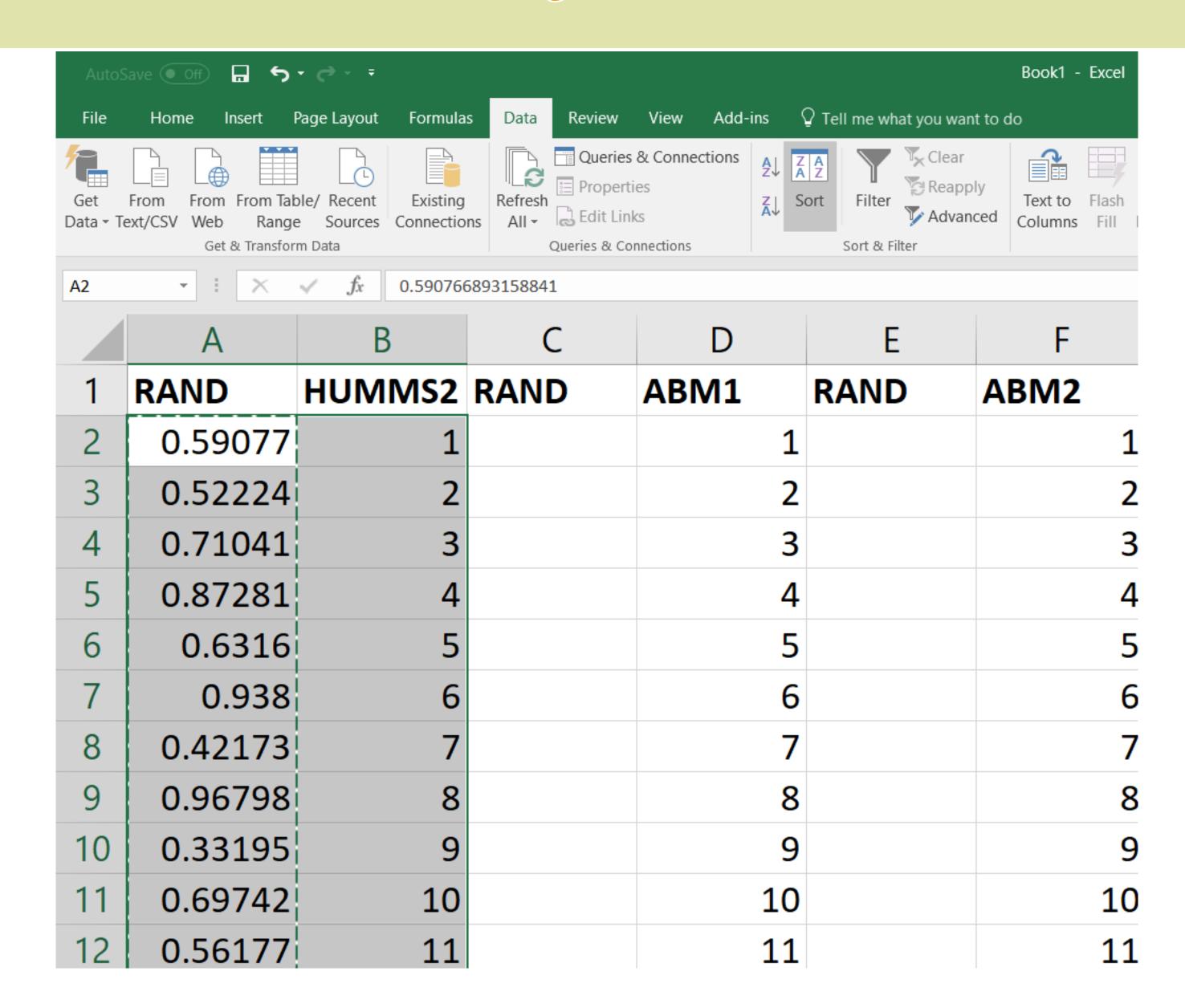






Select all random numbers for this group, copy it and paste as number.

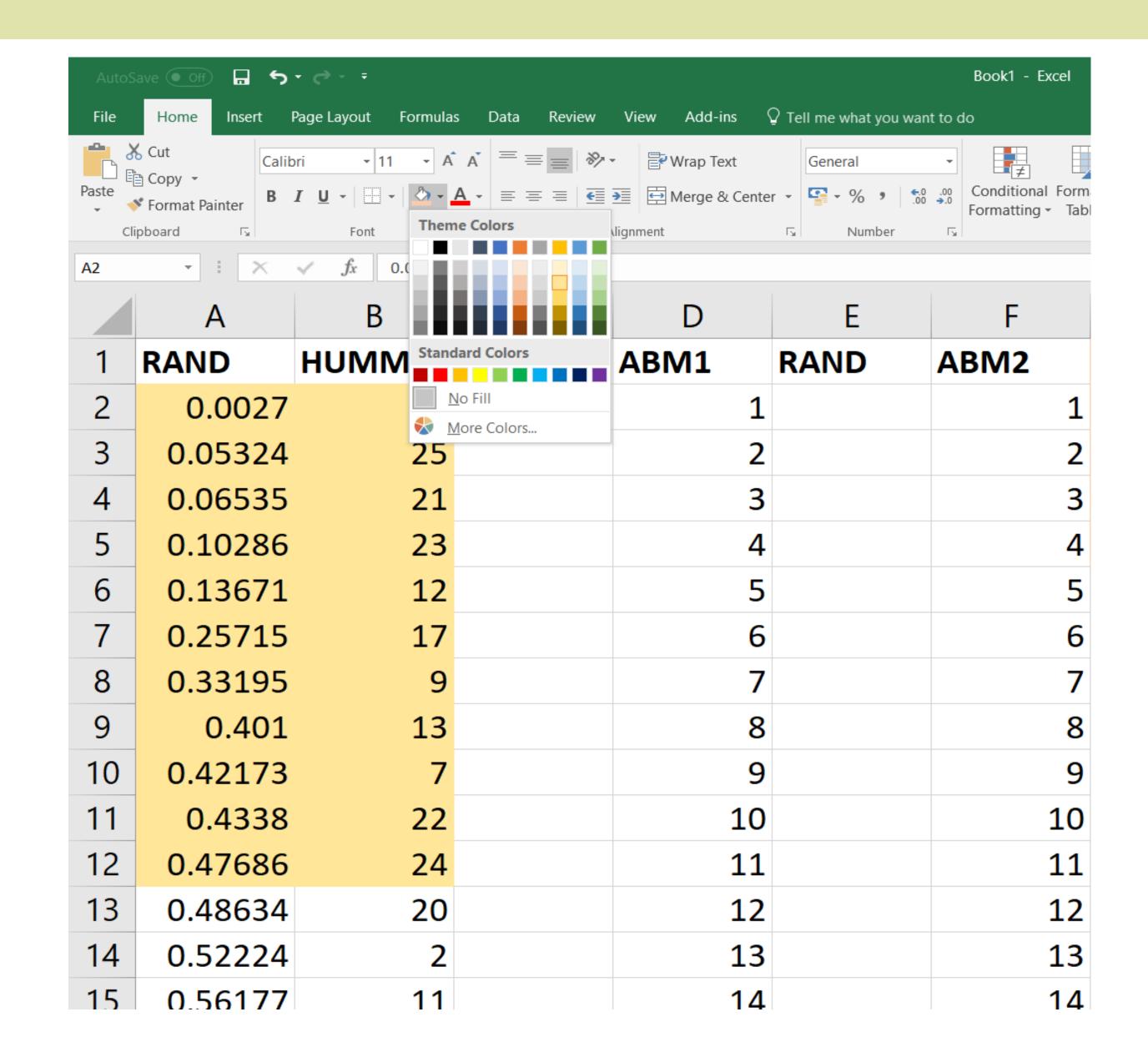






Select all random numbers and the codes for the members in the population, sort them from smallest to largest.

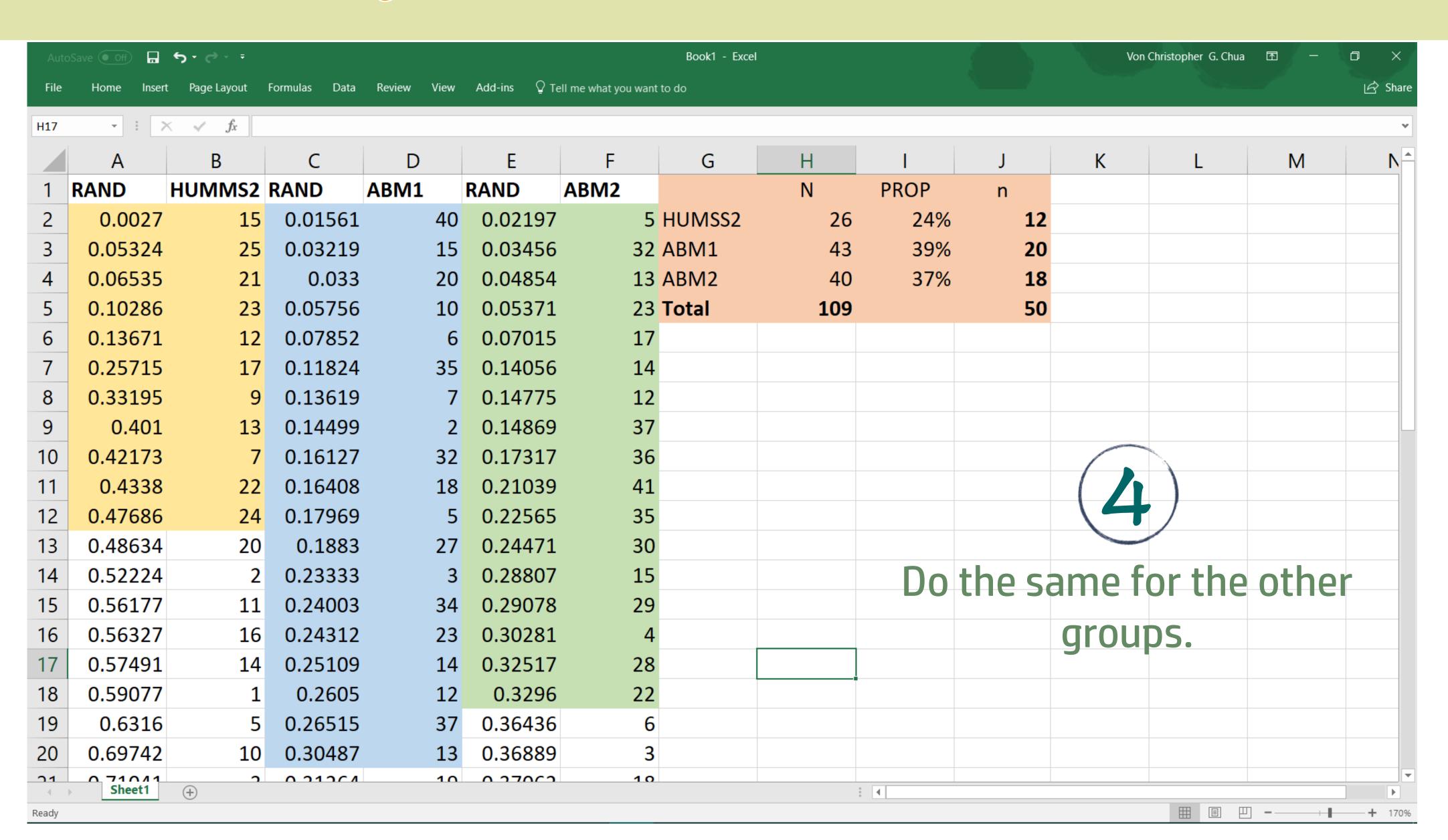




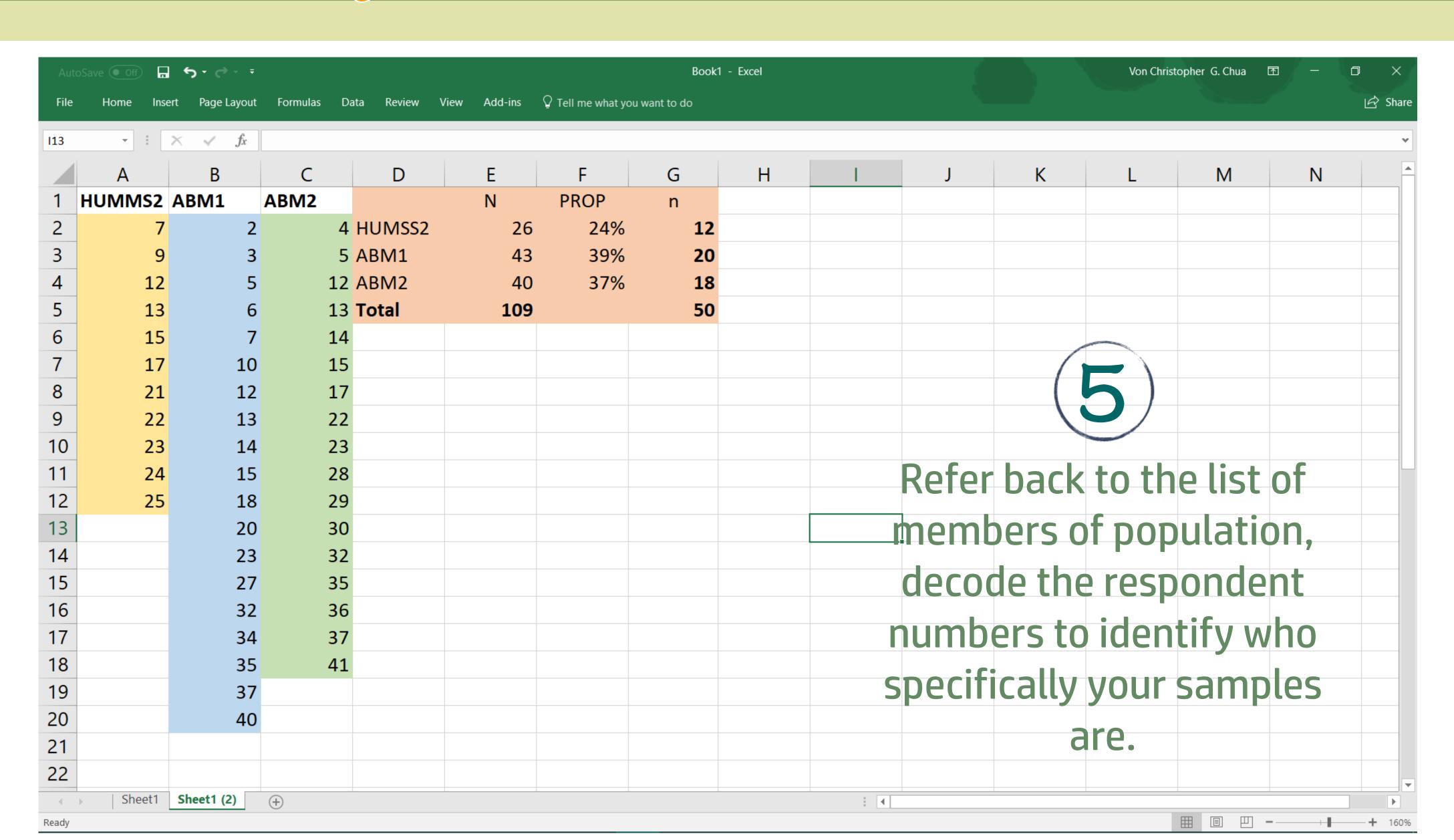


Note how many samples you need from this group and highlight the first *n* members. This will be the samples from this group.









GROUP TASK:

Rethink your Data Collection Procedure. Be specific by using the table below as template.

Date, Time	Objective	Task	Person Assigned	Target Accomplishment
11/08/2017	Determine the samples	Use MS Excel to do stratified random sampling and identify who the samples are.	All members of the research team.	List of Samples

Genring up flor Data Gathering

