Wilf Csaplar Jr.   Economics 222   Homework #4 & Lab #4
The homework is due Monday 2/23. The lab is due in your lab on 2/18 or 2/20.
<mark>**Remember, the proposal for your paper is due Monday**</mark>

Lab #4 to be done in the computer lab on 2/18 or 2/20
Place your name on an otherwise blank tab and turn the file in on Moodle. All of your answers must be on the computer file turned in. Failure to follow these instructions will cost you a point.

1) (10 points each) On five pages of the spreadsheet, use the formulas I taught you to find the probabilities of each event described on that page. Explain why you used the function you used and what the number you got means.

Homework #4 Due 2/23
Place your name on the back of this sheet of paper and nowhere else. Staple your answers face up on the front of this sheet of paper. Failure to follow these directions will cost you 1 point. Your assignment will be typed, except graphs can be drawn by hand and mathematical equations can be done by hand. Failure to type it will cost you 10 points. If you use double-sided printing or print on the back of scrap paper, I will give you one additional point.

1) (10 points) When might you do an unstructured interview? Give an example of the question you are asking and explain why an unstructured interview would be best.

2) (20 points) Suppose you were doing a focus group. When would you prefer having a homogeneous group and when would you prefer a heterogeneous group? Make sure you give two examples of research questions, one for each type of study, and explain why that question is best answered by that type of group.

3) (20 points) Explain the differences between *stratified random sample* and *cluster sample*. Which is more likely to give a heterogeneous sample and which is more like to give a homogeneous sample? Explain your logic.