**CJFS 3710 Statistics Knowledge Pre-Test Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

Summer 2017

**Directions**: for each of the following items, indicate your own level of knowledge using the scale below from 1 to 4:

**1=Don’t Know at All 2=Know a Little 3=Know Some 4=Know a Lot**

1. What are four purposes of statistics? **1 2 3 4**
2. Why are statistics important to CJFS folks? **1 2 3 4**
3. How do you pick a problem in which to use statistics? **1 2 3 4**
4. What is the scientific context of statistics?  **1 2 3 4**
5. How much do you know about the statistical features in Microsoft Excel? **1 2 3 4**
6. How much do you know about either PSPP or SPSS?  **1 2 3 4**
7. What are descriptive statistics? **1 2 3 4**
8. What are the ins and outs of graphing data and making charts? **1 2 3 4**
9. How is mapping influenced by statistics? **1 2 3 4**
10. What are the three levels of measurement? **1 2 3 4**
11. What is the appropriate measure of central tendency for each level of measurement? **1 2 3 4**
12. What does skew mean?  **1 2 3 4**
13. What is the appropriate measure of variation for each level of measurement? **1 2 3 4**
14. Why are measures of variation important? **1 2 3 4**
15. What is probability and how is it a foundation of science? **1 2 3 4**
16. What are essential normal curve ideas? **1 2 3 4**
17. How does selecting evidence (sampling) to address problems work?  **1 2 3 4**
18. How many cases are needed to generalize?  **1 2 3 4**
19. How do you compare a sample to its population? **1 2 3 4**
20. What does statistically significant mean?  **1 2 3 4**
21. How do you compare two groups of data? **1 2 3 4**
22. What five-step process works well with hypothesis testing? **1 2 3 4**
23. How do you compare statistically more than two groups? **1 2 3 4**
24. What is the danger of too many comparisons? **1 2 3 4**
25. How do you look for a relationship when you have nominal data? **1 2 3 4**
26. What is a cross-tabulation?  **1 2 3 4**
27. What is a statistical association?  **1 2 3 4**
28. What is chi square and when do you use it?  **1 2 3 4**
29. What measures of association are appropriate at the nominal level?  **1 2 3 4**
30. What measures of association are appropriate at the ordinal level? **1 2 3 4**
31. What measures of association are appropriate at the interval level? **1 2 3 4**
32. What statistics are used to predict and explain? **1 2 3 4**
33. How do you interpret ordinary least squares regression? **1 2 3 4**
34. How do you interpret logistic regression? **1 2 3 4**
35. What are nonparametric statistics? **1 2 3 4**
36. How does mapping use statistics? **1 2 3 4**

**CJFS 3710 Statistics Contact Info, Summer 2017**

1. What do you want to be called in class and how do you pronounce your name if it is tricky?
2. What is your phone #(s)?
3. What is your preferred email?
4. What are your post-schooling plans?
5. What is one unique thing about you that you are willing to share?
6. What pops in your mind when you think of “statistics”?
7. What will make you ☺ about this class in June after the final besides earning a good grade and it is over—i.e. what is at least one thing or way that you want to make sure you learn in this class?