**Instructional Steps to teach Data Analysis**

(This is a review of what I taught in CI 513 this fall to FULL TIME cohort and in CI 509 to PART TIME using pre/post test data from an assessment student teachers did with their CT’s. They had real scores to use)

1. Review Tabs 4, 5, 6 of work sample rubric (Use the one that includes the detailed rubric for program assessment. The link is on my CI 515 page and on my CI 509 page at gtpdx.wikispaces.com . The link says “Field Experience Evaluation forms”

2. Create an Excel spreadsheet that shows at a minimum:

a. each student’s pre test score, post test score, learning gain. (If pretest and post test possible points are different students will need to create a percentage score for pretest and post test.

b. each student’s demographics, e.g., gender, special needs, race/ethnicity, other factors

c. Compute average pretest, post test, and learning gains for the class (See sample)

3. Follow the directions (document) for PC or Mac to disaggregate data. Compute average pretest, post test, and learning gains for each subgroup (See sample)

4. If you can create a visual to represent the learning gains for sub groups such as a pie chart or bar graph.

5. Interpret the learning gains for the whole class and sub groups This is a written summary

6. Reflect on the data. How will you use the data in planning subsequent instruction with these students? How will you report students’ progress to them and parents? Be specific.

Additional Documents:

Excel directionpc

Excel Directions Mac Rev

ISTdemodata

Sec Pre-Post data Gender

Sec Pre-Post data SPEC NEEDS