My advisor is Dr.James Palmer, and this is my second year in INF Ph.D. program. My research project is *‘Pair Programming based on Computer Programming Self-Efficacy in CS1’*. Due to the alarmingly high failure rate in first computer programming course (usually called CS1). And the student in classes that used Pair Programming can improve the learning outcomes. The primary contribution of our study is a direct assessment of the effects of the new pair programming method based on the student’s computer programming Self-Efficacy which can be used on the first days of the semester. Recently my advisor wanted me to analyse the data