



The University of Chicago
Department of Statistics

Master's Seminar

MEIQING LU

Department of Statistics
The University of Chicago

**Negative Effect of Part-time Employees' Overproportion
on Students' Academic and Working Performance:
Cristo Rey Network Annual Report Data**

**TUESDAY, August 5, 2008 at 11:00 AM
110 Eckhart Hall, 5734 S. University Avenue**

ABSTRACT

The paper concerns the statistical analysis of data coming from Cristo Rey Network, an Illinois not-for-profit corporation. The purposes for which this corporation is organized are charitable and educational, including fostering cooperation and collaboration among Catholic secondary schools that provide quality college preparatory education to young people from low-income families. We make graphs and do Chi-square tests to explore the students' study ability and working performance in St. Martin de Porres (Cleveland) secondary school and their performances are found to be poor. Then the payroll is checked and it is found that there are more part-time staffs hired in St. Martin de Porres (Cleveland) secondary school than average. At last, explanation about the reason of bad academic and working performance of students from St. Martin de Porres (Cleveland) secondary school are given by various theories that attempt to explain differences between full- and part-time employees.