1080-00-5 **Abdol'azim - Karimi*** (karimi@rie.ir), No 68 , Mozaffar St.,Enghelab Ave., Tehran, iran, 141693567 Tehran, Iran. *a comparison of high and low schools performance in the TIMSS (The Trends in International Mathematics and Science Study.*

The purpose of this study is to identify the distinguishing factors among schools and their impact on Iranian students' performance. These factors could be applied to separate schools into high or low-performance schools. Study is done based on obtained data from "student's and teacher's questionnaire" filled out by participating schools in international studies PIRLS2006. Participated schools were separated into two groups of high performance or low performance schools based on (+,-) 1.5 standard deviations from whole class mean. Factors to be investigated were school performance related features such as School Environment, Human resource, Facilities and Equipments, Teachers' age and backgrounds, Schools' Instructional time per week, Density and Number of students in each class, In-use Resources in school. Utilizing Logistic Regression pointed out the following variables as distinguishing factors for different subject of study at different levels: • Reading literacy for both grade 4

- Teacher's age and school environment for grade 4
- Number of students in class and Teacher's age for grade 4
- School environment for grade 8 mathematics

Key words: PIRLS2006, , mathematics , High and low performance schools (Received September 10, 2011)