COMPLETION REPORT

Longitudinal study of Japanese youth: an analysis of mathematics and science achievements approach

Dr..Monzai Tian
Full Professor
Renmin University of China

The importance of science and mathematics achievements of young student is swelling with the rapid modernization of our life. Not surprised to see that children's science and mathematics achievements have long been a concern of society. Mastering science and mathematics has become more important than ever. Previous research indicates that a senior high school student with a strong grasp of science and mathematics has an advantage in academics and in the job market, i.e., science and mathematical achievements are keys to college entrance and success in the labor force. However, one of the most well-known observed phenomena is that the performance of young people including Japanese students in science and mathematics is dismal in comparison to the rapid-developed economics. In order to fix declining science and mathematics achievement of Japanese young students, we shall give an in-depth longitudinal study of Japanese youth using the modern hierarchical quantile regression that is a powerful tool in data analysis. Finally, we have completed a comprehensive report titled" *Longitudinal study of Japanese youth: an analysis of mathematics and science achievements approach*" and got lots of interesting finds in the report. More details refer to the Attachment.

The significance of the research project is clear. The research findings will help us to understand the real factors that affect the performance of young Japanese students in science and mathematics. Consequently the findings will help the policy makers to make a good decision to fix the declining of science and mathematics scores of Japanese youth.

Publication of the Results of Research Project:

Verbal Presentation (Date, Venue, Name of Conference, Title of Presentation, Presenter, etc.)
Thesis (Name of Journal and its Date, Title and Author of Thesis, etc.)
Book (Publisher and Date of the Book, Title and Author of the Book, etc.)