

ANALYZE THE VARIATION OF SCIENCE ACHIEVEMENT ACCORDING TO THE BACKGROUND FACTORS OF STUDENTS: A STUDY BASED ON TELLIPPALAI DIVISIONAL SCHOOLS

Manoharan Raveeswaran, Maithily Raveeswaran

University of Jaffna, Sri Lanka

The present study analyses the variation of Grade eleven students' science achievement in Tellippalai divisional schools. All citizens are offered free education in Sri Lanka from primary to higher education, even though ordinary level result in all subject varies among all over the provincial, district, zonal and cluster level of the country. The variance may causes by several factors. According to literature studies it is obvious that one of them may be the background factors of the students. Hence the present study wanted to find out variance of science achievement according to background factors of students. Questionnaire is used to collect the data .Total number of schools in this division is 729. According to the Krechi Mohan (1970) 132 of boys and 122 of girls are selected as the sample of the present study. The total sample is 254. Because of Covid -19, it is possible to collect data from 219 students only. Among them only 212 questionnaires are useable. Hence the respondents' rate is 96.8%.The questionnaire consists two parts. Part one includes demographic variables and part two includes science marks of the respondents. Data are analyzed by using SPSS 20.0 version. The techniques are adapted for the present study are the percentage, mean standard deviation, independent sample t test and F test. The finding of the study said that science achievement is at lower level in the research area. Further here is no variance in science achievement according to gender level. Parents' occupation and level of education have influence on science achievement of students.

Keywords: *Family Background; Science achievement; Covid 19*
