

## **Influence of Some Psychological Factors on the Learning Gains of Distance Learners in Mathematics in Ibadan, Nigeria**

**Authors :** Adeola Adejumo, Oluwole David Adebayo, Muraina Kamilu Olanrewaju

**Abstract :** The purpose of this study was to investigate the influence of some psychological factors (i.e, school climate, parental involvement and classroom interaction) on the learning gains of university undergraduates in Mathematics in Ibadan, Nigeria. Three hundred undergraduates who are on open distance learning education programme in the University of Ibadan and thirty mathematics lecturers constituted the study's sample. Both the independent and dependent variables were measured with relevant standardized instruments and the data obtained was analyzed using multiple regression statistical method. The instruments used were school climate scale, parental involvement scale and classroom interaction scale. Three research questions were answered in the study. The result showed that there was significant relationship between the three independent variables (school climate, parental involvement and classroom interaction) on the students' learning gain in mathematics and that the independent variables both jointly and relatively contributed significantly to the prediction of students' learning gain in mathematics. On the strength of these findings, the need to enhance the school climate, improve the parents' involvement in the student's education and encourage students' classroom interaction were stressed and advocated.

**Keywords :** school climate, parental involvement, ODL, learning gains, mathematics

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