The effectiveness of a suggested strategy based on the self-regulated learning to teach educational statistics in developing Achievement and reducing statistics anxiety with the Faculty of Education students

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Abstract:

The research aimed to study The effectiveness of a suggested strategy based on the self-regulated learning to teach educational statistics in developing Achievement and reducing statistics anxiety with the Faculty of Education students, To achieve this objective, the researcher established the suggested strategy and prepared a manual for teaching some lessons of Principles of Educational Statistics course (103 EDUC) based on the suggested strategy, and also he prepared an achievement test in educational statistics and a statistics anxiety scale, the manual and the two tools were showed to a group of jury members with the aim of judging. Then the validity and reliability of two tools were checked.

The research used the experimental method using the pre-post design on two groups: the experimental and the control group. The research sample consisted of 61 of the Faculty of Education students in Dammam, the experimental (30 students), the control (31 students). Before application of the suggested strategy on the experimental group, the equality of the two groups in, the achievement and the statistics anxiety were verified.

The results of the research indicated the effectiveness of using the suggested strategy in developing achievement and reducing statistics anxiety with the Faculty of Education students.

Based on the results the researcher recommended that: using the self-regulated learning strategies in teaching educational statistics, the importance of reducing statistics anxiety with the Faculty of Education students by using learning and teaching strategies, and make more researches to investigate the effectiveness of others learning and teaching strategies in reducing statistics anxiety.

Keywords: A suggested strategy, Self-regulated learning strategies, Educational Statistics, Achievement, Statistics Anxiety, Faculty of Education students.