Cooperative learning instructional approach for students' mathematics achievement and attitude towards mathematics: a case study on probability and statistics lesson at a governmental secondary school in Ethiopia.

Girma Denbel D.


**Abstract**

Introduction: The purpose of this study was to see the impact of cooperative learning on mathematics achievement and attitude towards mathematics at secondary school mathematics. The study significantly reflected the case study of grade eleven students in a secondary school, Ethiopia. Approach: quasi-experimental study done on two selected teams. Random assignment was done, one category (n = 51) was allotted to associate experimental group and therefore the other (n = 51) was allotted as a control group. The two teams were pre-tested previous the implementation of the intervention. Post-test given at the end of intervention; whereas daily quiz used as a tool for formative testing. Teaching and learning method administered for 2 weeks. Data were analysed using the paired t-test to determine performance by comparing the mean of the post-test for treatment and control groups at the significant level of p < 0.05. Results: The result has shown by strong evidence (t = 2.285, p = 0.027) that the teaching of mathematics through cooperative learning approach improves their achievement.
score. Moreover, it had been evidence \( t = 4.45, p = 0.0001 \) that the teaching of mathematics through cooperative learning approach higher attitude towards mathematics. Conclusion: From the result, a cooperative learning approach facilitated the instruction for this explicit topic. Therefore, those mathematics teachers have to be required to incorporate in their teaching of mathematics at secondary school. In fact, it is needed further study to generalize this result to a bigger domain.

**Keywords:** Cooperative learning approach, Mathematics Achievement, Attitude

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**Research Paper**

**The analysis of the impact of instant registration system on the prevention of registration crimes.**

Hosseini SH, Nazari F, Seyed Zadeh Sani SM.


**Abstract**

Registration law has diverse and broad dimensions and affects all aspects of life. Also, its role in relation to the public welfare in terms of registering obligations and transactions, marriage and divorce, and its interaction with a specific group of scientists and experts in the protection of industrial property through patents and trademarks is quite tangible. On the other hand, the field of registration law, like other regulations, has been expanded, so that it can be said that it includes registration, document and real estate laws. Forging and using the forged document is a crime that has been dramatically increased in recent decades with the advancement of technology in many societies. Although the crime of forging leads to loss of property in many
cases, it is classified as crimes against public welfare and not those against property, which reflects the attention to its non-financial aspects, i.e. the loss of public confidence as well as non-financial losses that may result from the commitment of forgery against persons. The most reliable and, at the same time, the most difficult tool to use in crime prevention is the completion of education and training. Regarding the prevention of crimes, many authors of criminal law point to the role of punishment and its execution and they believe that punishment has a preventive role in committing crimes. Crime prevention in criminal theory practically involves collective and individual intimidation due to punishment.

**Keywords:** Registration law, Public welfare, Forgery, Crime prevention.

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**Research Paper**

**Investigating the impact of auditors' work stress on audit report quality in companies acquired in Tehran stock exchange.**

Ismail Zadegan V and Aqa'i MA.


**Abstract**

Considering the model of job demand control, we empirically evaluated the impact of auditors' work stress on audit quality using the Tehran stock exchange specimen from 2011 to 2016. The study of the effect of job stress with regard to quality of audit is the most important dimension of job burnout on job performance of auditors. Organizations will have an effective function where employees will work beyond the formal and technical aspects of their job. Individual job
performance is important because of the impact on auditing. The delay in submitting the audit report directly affects the performance and performance of the audit. Consequently, waiving or compromise with poor performance may reduce the quality of the audit and thus cause the audit firms to be subject to legal liability and credit loss. The results showed that: 1. In general, there is a sharp drop in the quality of auditing due to the stress of auditors who are under control, and as a result, auditor stress affects the quality of company audit work. 2. There is a significant relationship between work stress and the initial audit of new customers due to lack of conceptual understanding of the customer from industrial information. Nevertheless, with lessons learned, negative feedback is reduced. In general, the effect of auditor's stress on the quality of audit for new customers is greater than that of other clients.

**Keywords:** Auditor's Stress, Audit, Individual Characteristics, Audit Quality

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**Research Paper**

**Management review of the economic, social and cultural performance of the municipality and city council (case study: city council of Shirvan).**

Banaeian H and Parhizkar A.


**Abstract**

City councils always played a major role in improve the quality of citizen life. This study which evaluated the performance of Shirvan city Council has been done with descriptive-analytical and according to survey and library data. Proven method assumptions in this study citing on data from the questionnaires have been analyzed. Statistical population includes two groups. First
was in urban experts and second was the citizen of the Shirvan city. For determining the sample size for the group of residents Cochran's formula was used. Which sample size was 384 that was completed by random and stratified distributed. But for sample of experts we used snowball method which the number of experts samples in this study reached 15 cases. KS test was used in analyzing the data in order to determine the normal distribution of scores and use one-sample T-test and Binominal test to evaluate the performance of the city Council Shirvan and Also Mann–Whitney U test and independent T to compare the views of citizens group and experts group. The results of this study indicated that economic performance of the city council of Shirvan was not good. Of course the social function was better than economic performance and is investigated beyond acceptable medium. However, the best performing of city council of Shirvan is cultural performance that this value is 3/89.

**Keywords:** City Hall, City Council, Economic Performance, Social Function, Shirvan City, Cultural Performance

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**Research Paper**

**Survey of the success of the strategic plan of Imam Reza (AS) hospital, Mashhad, Iran.**

Latifian S and Karimi H.


**Abstract**

Full attention to hospital efficiency as the largest and most cost-effective unit of the health system is of particular importance. Therefore, the purpose of this study is to evaluate the success of the strategic plan of the Imam Reza center of Educational, Research and Therapy
using the method of data analysis. This is an analytical descriptive study. In the beginning, the strategic plan of the organization was evaluated and its success rate in achieving the strategic objectives was measured on the basis of the balanced score card. According to the research objectives, based on the analysis of the success rate of Imam Reza Hospital in Mashhad, the organization's strategic plan, Reports and documentation in the organization have been used to analyze the performance of the organization on the horizons desired for implementation of the programs. Rate of achieving strategic goals in improving employee productivity - improving the support process - improving the status of the hospital information system - Improving the physical environment, each program being individually designed to 43.92 - 41.07- 44.66-62.34 and in the area of development of health services, and Establishment of the system for assessing service satisfaction is 26.68 - 61.25 and in the area of upgrading the management of equipment supply and distribution of 41% and in the field of development of educational activities is zero percent. However, achieve the strategic objectives of the study center proportion to the percentage of the base and desirable percentage is considered, is desirable, but a strategy that is based on accurate knowledge and understanding of the environment is based strategic thinking and It is also necessary commitment to implement the right strategies and implement appropriate monitoring and evaluation system can be upgraded strategic management in organizations have to follow.

**Keywords:** Strategy, Strategic Management, Performance Appraisal, Strategic Objectives

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