



Do students give fair grades to their friends? A Social Network Analysis point of view

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Abstract– One of the most important issues that developing countries are involving is education development. Learning management as one problem in education development faced to some familiar problems such as finding best location for educational sites or tuning the relationship between teachers and students. One of the most important problems in this area is student evaluation in schools and universities. There are two well-known strategies in the world, the first one is named as *Teacher based* and the second one is named as *Student based* (peer evaluation). This paper is dealing with this issue that whether the students based strategy is fair or not. To do this, this paper is trying to analyze the students' centralities and obtained grades based on two above mentioned strategies. Our findings supported that the some centrality measures. All of data have been gathered in some courses in Abrar University in 2013-2014 academic year.

Keywords: *Social network analysis, Student evaluation, Centrality Measures, Grading*

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