Abstract

Algebra statistical is one of the recent topics that has seen rapid development, itis considering as the consequence of the convergence of ideas between statistics and algebra. Moreover, Algebraic statistic has many applications in many different fields, one of these important field is agriculture. In this paper, we analyses a 3x2 contingency table which contains agriculture teaching experience and perception of secondary school agriculture. The method of algebraic statistic they will be used for a mainly Markov Basis of independent model and the computation of Entropy for variance alternative contingency tables based on Tsallis Entropy. In addition, the usefulness of this paper is to illustrate agriculture data. Finally, we will find Toric ideal to generate the elements of Markov Basis.