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Author Oscar Gustavo Vargas Calderon
Author's Email Address No Public.
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Abstract
The Brazil Nuts supply chain has a very important implication for the northern part of Bolivia not only in the socio economic context but also in the environmental situation of the region. This research is a feasibility project which determines the profitability of a new Brazil nuts factory.
In order to determine the financial situation of the new factory, the research analyzes two main issues. The first main issue is related to the international market where the Brazil nut interacts with other types of nuts (almonds, cashew nuts, chestnuts, groundnuts, hazelnuts, pistachios and walnuts). This research explores the effect of the prices and quantities of the other nuts over the price and quantity of Brazil nuts using the Granger Causality concept. The most important result is that there is no other type of nut which has a significant impact in terms of quantity and price over the price and quantity of Brazil nuts.
The second main issue explores the possible situations that a new factory can face regarding its market share, its costs and the international price that affect the profitability of the factory. Using Crystal Ball software, this research simulates several cases in where the situations that the new factory could face are very different. After 1,000 simulations the most important result is that the mean of the net present value of the net income is $U.S. 750,000 and there is a 65% that the NPV will be greater than zero.
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