

Analysis of Arrivals and Prices of Red Chillies in Guntur Market of Andhra Pradesh

D Ramesh, V Srinivasa Rao, G Raghunatha Reddy, E S V Narayana Rao and Sk Nafeez Umar
Department of Statistics and Computer Applications, Agricultural College, Bapatla, A. P.

ABSTRACT

Chilli is considered as one of the most important commercial crops of India. Guntur chilli market in the Andhra Pradesh is the Asia's largest chilli market. In this paper, an attempt was made to study arrivals and prices of chilli in Guntur market of Andhra Pradesh based on month wise secondary data during the period 2000-2019. The seasonal variations in arrivals and prices are studied by seasonal indices with the help of ratio to moving average method. It is reveals that the seasonal indices of both arrivals and prices of chillies in Guntur market are recorded maximum during the month of March. From the correlation studies, it is confirmed that significant positive relationship ($r=0.267$) exists between arrivals and prices, but from the comparisons of entire seasonal indices, there is no evidence that the arrivals of chillies not influencing the prices. The Simple Linear Regression Analysis identified that there would be a positive trend in prices and arrivals of chillies in Guntur market for the year 2020, which was estimated the average prices and arrivals are as Rs. 10,468.7 per Quintal, 535.8 '000 tonnes respectively.

Key Words: *Arrival, Chilli, Price, Trend and Seasonal.*