OVERCOMING MACROECONOMIC CHALLENGES AND REAPING EFFECTIVE BENEFITS THROUGH STATISTICAL ANALYSIS

Rubber Industry In Sri Lanka

Author: H.N.M. Fernando (SC/2020/11782)/S.A.C.K. Subasinghe (SC/2020/11790)/K.T. Lakshani (SC/2020/11794)/B. Sachintha (SC/2020/11816)/H.S.S. Hatharasinghe (SC/2020/11823)

MIS 1112: Basic Statistics in Industry Department of the Mathematics

Faculty of Science University of Ruhuna

Results





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The Sri Lankan rubber industry is currently experiencing burning problems. However, no one has identified which factors are affecting to create these problems and hardly to find any solution to the most important problems, which are presently available in rubber industry. Therefore, this research is aiming to find most important barriers of rubber product industry and find out what they are and how to avoid or minimize those barriers.

Abstract

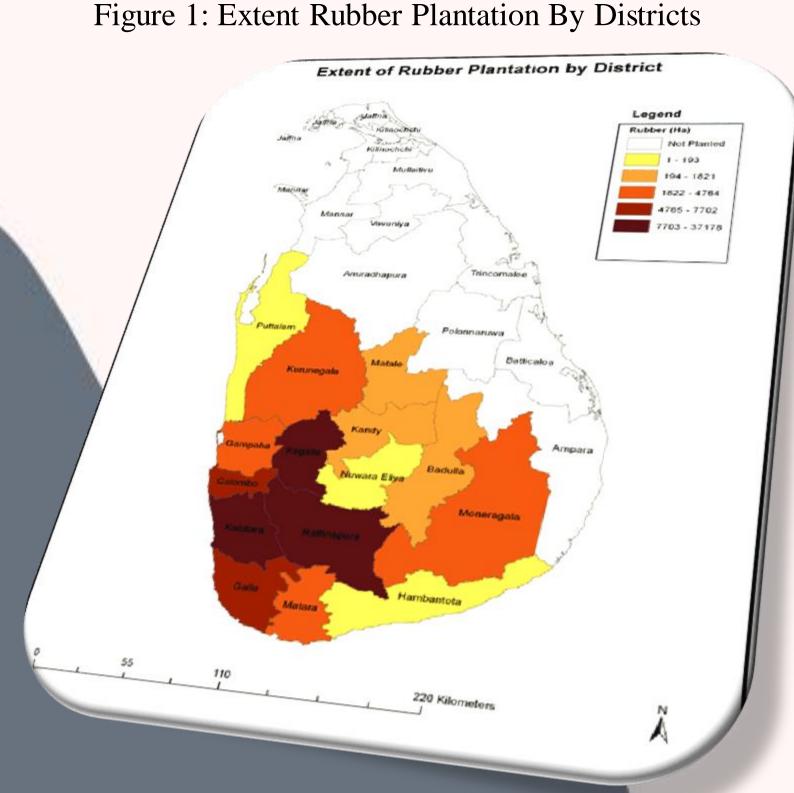
02 Introduction

Sri Lanka is known as a third world developing country. Garment, tea, coconut, rubber and spices are the major products of the manufacturing economy. Despite the pandemic situation, the contribution of the export economy to the Sri Lankan economy is well illustrated by the high returns. This study aims to analyst the rubber industry, which is unique among these industries as well as contributing the most economically.

Methods & Materials

The study was started by reviewing the literature regarding the barriers for rubber products manufacturing industry. Target rubber industries were large and medium category and more than 15 web sites based on rubber industry were distributed according to the annual export performance (turnover) in each rubber products sectors. The gathered data was analysed using Minitab software and Excel was illustrated using a diagram. Quantitative analysis was performed using statistical techniques such as linear correlation and Regression analysis was performed to identify barriers and solutions to them.

Figure 1: Extent Rubber Plantation By Districts



Contribution of Economy – Rubber Industry Export: Latex crepe rubber Exports 6% in Total Rs.4.8 billion p.a Exports in Sri Lanka Export: rubber finished product Rs. 152 billion p.a Production Export 135,000 Mt (2018) (Raw rubber and Latex) 76,000 Mt (2018) Domestic Consumption Resource: Rubber Research Institute of Sri Lanka, Ministry of Plantation Imports Rubber \$2.4 in 2021 **Statistics** Export Revenue billion in 2021 \$1.09 billion \$4.4 137,182 billion hectares

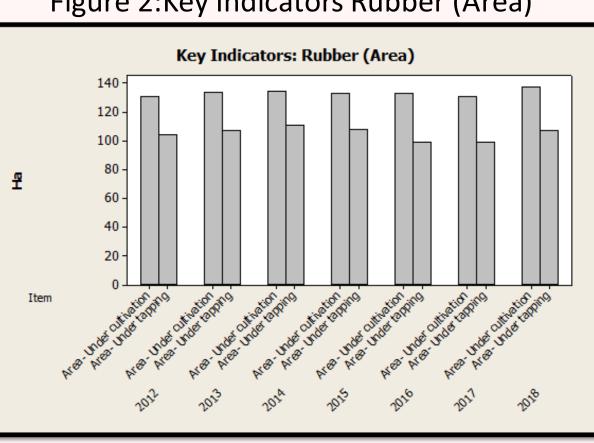
Table 1:Contribution of Economy –Rubber Industry

| Table2: Strengths & Problems In Industry | | | |
|--|---|--|--|
| STRENGTHS & PROBLEMS IN INDUSTRY | | | |
| Sector | Strengths | Problems | |
| Plantation | Government Support | Decrease the No. Of People Engage with Industry | |
| | Environmentally Friendly raw materials | Lack of Technology | |
| Production | Availability Of Natural Raw Materials | High cost of testing Certification | |
| | | High cost of machineries | |
| Exports | Established industry in Sri Lanka as well as world | Decrease the New Investments | |
| | Advantages of Export Finished Rubber | Government Rules & Regulations | |

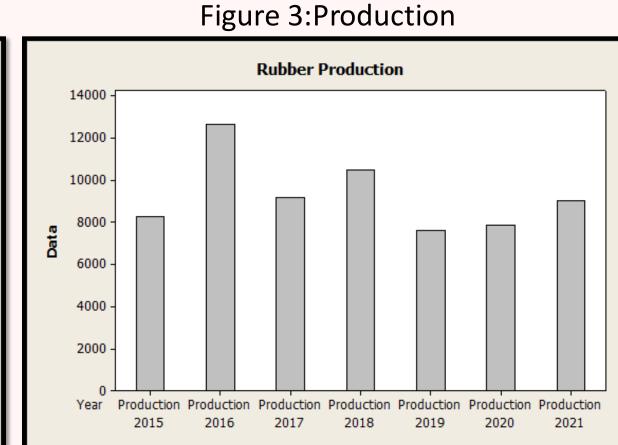
84,566,799

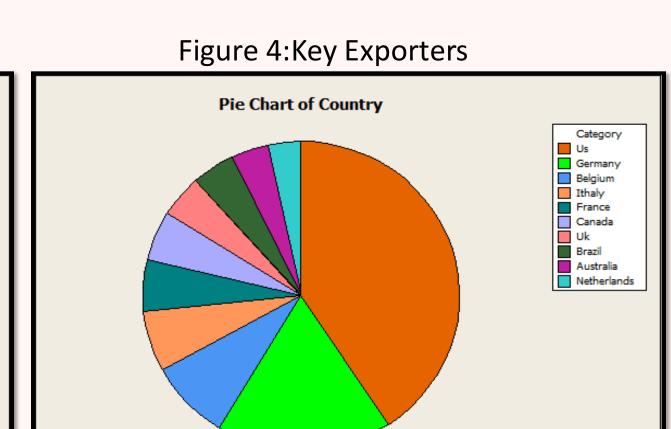
kg

05 **Discussion** Figure 2: Key Indicators Rubber (Area) Key Indicators: Rubber (Area)



References





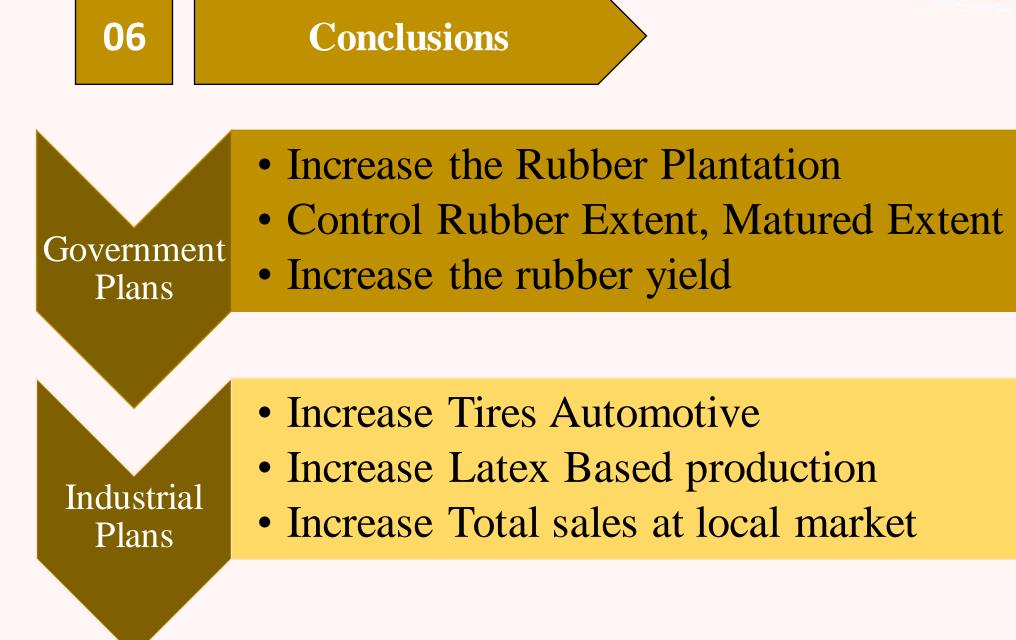


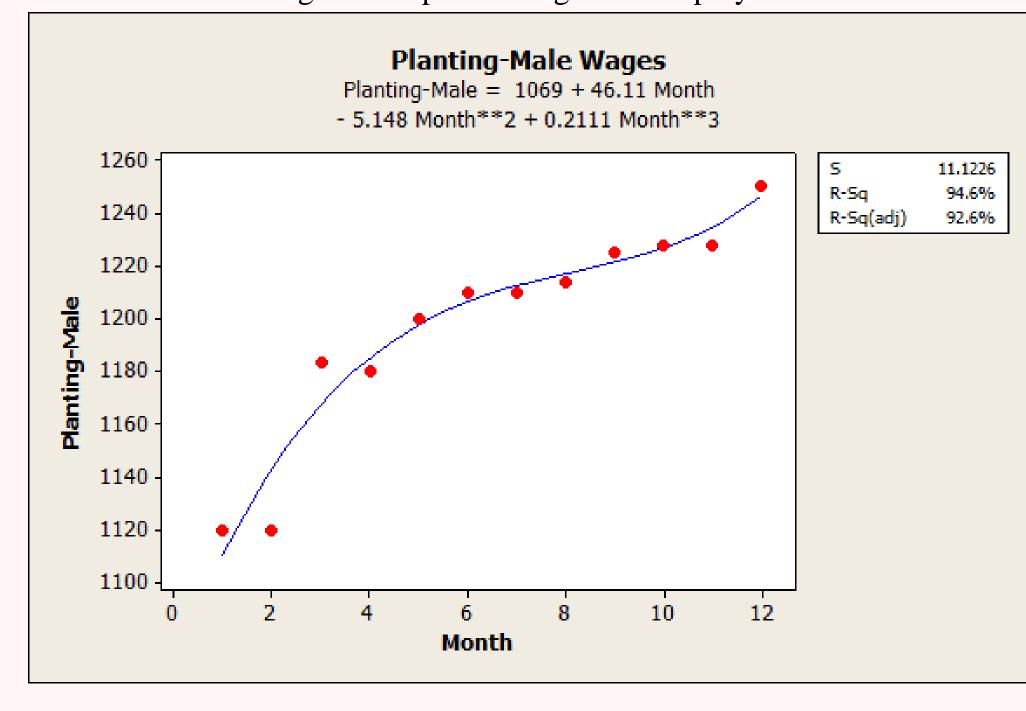
Table 3: Future Expectation

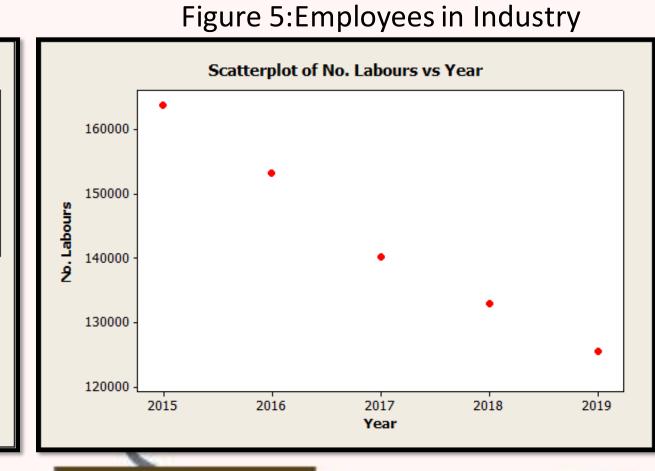
| Expected Production (2022) | 89.43 MT(Mn) |
|--|----------------|
| Increase compared to the previous year | 3.9% 🛕 |
| Expected Export (2022) | 1360.43 \$(Mn) |
| Increase compared to the previous year | 24.53% 🛦 |
| Expected Yield (2022) | 765.6 kg/ha |

Figure 6:Expected Wages for Employees

Increase compared to the previous

year





0.09%



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