



**Faculty of Legal Sciences**

**School of International Studies**

Exports, Economic Growth and Causality in the  
Ecuadorian Manufacturing Industry from 2010 to  
2024

**Project prior to obtaining a Bachelor's Degree in  
International Studies**

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This work is dedicated to God and my parents for being  
light, support and love in my life.

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**Exports, Economic Growth and Causality in the Ecuadorian Manufacturing  
Industry. Period 2010-2024**

**ABSTRACT**

Research has debated whether exports are the engine of economic growth or whether economic growth is what drives exports in the manufacturing sector. The objective of this study is to analyze the causal relationship between exports and economic growth in the Ecuadorian manufacturing sector from 2010 to 2024. To this end, previous studies were analyzed in which two main approaches (Export-Led Growth) and (Growth-Led Exports) stand out and a quantitative methodology based on econometric tools was used, specifically the Granger Causality Test and a VAR Model, together with the Impulse-Response Functions and their complementary analyses. These tools enabled the analysis of the dynamic interrelations between the variables. The results obtained show that production causes exports, which in turn cause imports of capital goods and finally imports of raw materials. It was found that a positive shock in production generates an increase in exports, significant during the first two quarters, which is not significant later. In conclusion, the findings show a one-way causal relationship from economic growth to exports in the Ecuadorian manufacturing sector from 2010 to 2024.

**Keywords:** causality, exports, economic growth, manufacturing sector.

# **Exportaciones, Crecimiento Económico y Causalidad en la Industria Manufacturera ecuatoriana. Periodo 2010-2024**

## **RESUMEN**

¿Son las exportaciones el motor del crecimiento económico o es el crecimiento económico el que impulsa a las exportaciones en el sector manufacturero? La presente investigación tiene como objetivo analizar la relación de causalidad entre exportaciones y crecimiento económico en el sector manufacturero ecuatoriano en el periodo 2010-2024. Para lo cual, se analizan estudios previos en los que se destacan dos enfoques principales (Export-Led Growth) y (Growth-Led Exports) y se emplea una metodología cuantitativa basada en herramientas econométricas, específicamente la Prueba de Causalidad de Granger y un Modelo VAR, junto con las Funciones de Impulso Respuesta y con sus análisis complementarios, los cuales nos permiten analizar las interrelaciones dinámicas entre las variables. Los resultados obtenidos evidencian que la producción causa a las exportaciones, que a su vez causan las importaciones de bienes de capital y finalmente las importaciones de materias primas. Se encuentra que un choque positivo en la producción genera un aumento en las exportaciones, significativo durante los primeros dos trimestres, que no resulta significativo posteriormente. En conclusión, los hallazgos evidencian una relación de causalidad unidireccional desde el crecimiento económico hacia las exportaciones en el sector manufacturero ecuatoriano durante el periodo 2010-2024.

**Palabras clave:** causalidad, exportaciones, crecimiento económico, sector manufacturero.