

# **Explain the relationship between knowledge-based economy and Development of ed countries**

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**Today, many countries have paid particular attention to sustainable economic development. In addition, by observing the structural relationships among knowledge-based economy and sustainable development, they seek ways to provide more of this phenomenon. The aim of this study is assessment of the relationship between the components of the knowledge-based economy with the development of advanced industrial economies. So the 18 industrialized countries 2006 to 2015 were analyzed. To test the hypothesis of the econometric model (panel data) is used. The results showed that R&D costs, the number of patents and the costs of basic education to GDP growth per capita national income is a significant relationship. While the import and export of technology has no significant relationship with the dependent variable. According to the estimated coefficients can be said regarding the cost of research and development is stronger than the other explanatory variables. The results are consistent with economic theory.**

**Keywords : \_research and development, national income per capita, import and export of technology, the cost of primary education\_**

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