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###### DOCTORAL THESIS

**The Standard Model in Economics**

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##### A thesis submitted in fulfillment of the requirements for the Doctor of Philosophy

##### of the

#### [Global Program in Economics and Management (GPEM)](https://www.econ.tohoku.ac.jp/english/page-gpem.html) Faculty of Economics

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**Declaration of Authorship**

I, Tran Quang-Thanh, declare that this thesis titled, “The Standard Model in Eco- nomics” and the work presented in it are my own. I confirm that:

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* Where I have consulted the published work of others, this is always clearly attributed.
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* I have acknowledged all main sources of help.
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*Acknowledgements*

I would like to thank my supervisor...

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# Abstract

Faculty of Economics

Graduate School of Economics and Management, Tohoku University Doctor of Philosophy

The Standard Model in Economics

by Quang-Thanh Tran

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**GDP G**ross **D**omestic **P**roduct **GHO G**lobal **H**ealth **O**bservatory

**Chapter 1**

**Introduction**

## Section 1

content A

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**Chapter 2**

**The Model**

From Barro and Lee ([2013](#_bookmark11)), we know that the economic growth is heavily dependent on human capital, which in turns relies on the returns to education.

This has been proven to be true (Acemoglu and Johnson, [2007](#_bookmark12)) where he shows that ...

Some other content...

**Appendix A**

**Technical Appendix**

## A.1 Proof of Proposition 1

max *Ut* := ln(*ct*) + *β* ln(*dt*+1)

s.t. *ct* + *dt*+1

*Rt*+1

= *wt*

**References**

Acemoglu, Daron and Simon Johnson (2007). “Disease and development: the effect of life expectancy on economic growth”. In: *Journal of political Economy* 115.6, pp. 925–985. URL: <https://economics.mit.edu/files/4478>.

Barro, Robert J and Jong Wha Lee (2013). “A new data set of educational attainment in the world, 1950–2010”. In: *Journal of development economics* 104, pp. 184–198.