## The Enhancement of Social Protection and Economic Growth - Analysis in Four Nordic Countries –

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## Abstract

In this paper, I examined the relationship between increases of public social expenditure and economic growth through analysis in four Nordic countries from years 1980-2014 using multi regression model modified from Moro (2004)'s model. Countries are including Finland, Norway, Denmark and Sweden. By country to country, the results are different. However, these four conclusion remarks are clearly revealed.

i) The increases of public expenditure on social protection have negative impact on growth rate of GDP even among four Nordic countries.

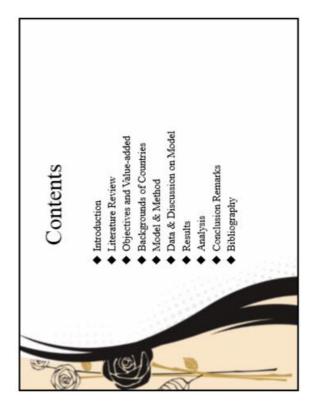
ii) Some of indicators such as Soc-AL (Social Expenditure on Active Labor Markets) have positive impacts on economic growth in almost all four countries.
iii) The results differ from each Nordic country, and that occurs since economic situations in four countries are not the same.

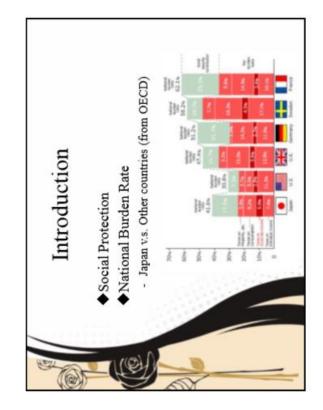
iv) The urgent problem Nordic countries face and need to deal with is about care for the increase rate of unemployment the reason is that the enhancement of public expenditure on unemployment has significantly negative impact on growth rate of GDP among all four Nordic countries.

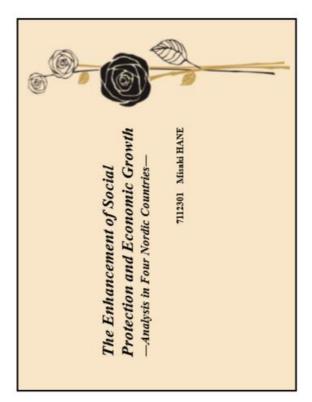
Moreover, comparing size of GDP, high social expenditure countries like as Nordic countries have disadvantage to Japan or United States.(OECD, 2014) If four Nordic countries would like to catch up with two countries, they should consider to abandon the weak and to expend less upon social security such as care for family or unemployed.

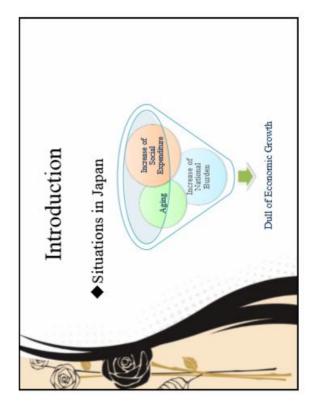


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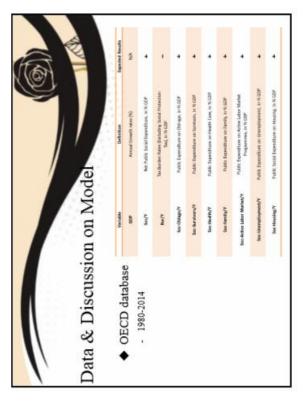


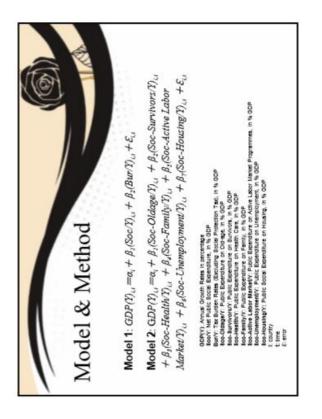






## opulation: 5,640 million opulation: 9,690 million GDP (Current US \$): \$570.6 billion (2014) GDP (Current US \$): \$342.0 billion Denmark Sweden Backgrounds of Countries <sup>2</sup>opulation: 5,464 million opulation: 5,136 million GDP (Current US \$): \$500.1 billion (2014) GDP (Current US \$): \$270.7 billion Norway Finland Ø **O**





/	FINLAND	NORWAY	FINLAND NORWAY DENMARK SWEDEN	SWEDEN	
soc	(-)	(-)	(-)	(-)	
BUR	(+)	0	(+)	(+)	
soc-o	(+)	0	(+)	(+)	
soc-s	N/A	N/A	N/A	(+)	
SOC-HLT	(-)	(-)	N/A	N/A	
SOC-F	N/A	N/A	(-)	(•)	
SOC-AL	(+)	(+)	( <del>+</del> )	(+)	
SOC-U	(-)	(-)	(-)	(-)	
SOC-HS	(-)	N/A	( <del>+</del> )	N/A	

