

<<Taikichiro Mori Memorial Research Fund>>

Graduate Student Researcher Development Grant

Report for the Academic Year 2017

<b>Research Title</b>	Revealing the Trends of Influential Users Towards National Election Campaign(s) on Social Networking Service
<b>Name of Research Project Leader</b>	IKUE YAWATA
<b>Affiliation</b>	Graduate School of Media and Governance
<b>Type of Program</b> (Circle one)	Master Program, Cyber Informatics

<b>Research Outline And Result</b>	<p>In this research, I have aimed to realize a new machine learning model for identifying influential users towards National Election campaigns among Social Networking Service. The Features of this system is to detect influential users automatically and integrating causality computation to represent the opinion leaders effect and condition of its substances in human knowledge domain. The objective of this research is to construct a new integrated system from short contexts (called tweets) on Twitter, that can automatically detect influential users and representing its behavioral patterns in statistical analysis.</p> <p>Clearly, some people exert considerable influence within Social Networking Service (SNS). Some people tweet quite often, others manage multiple accounts and pretending to be independent of each other. The purpose of this research is to detect such influential users and identify their behavior within SNS.</p> <p>The key technology of this research has been to apply the contexts data labeled by Three Experts of Political Science worked for 167 hours (total) to offer knowledge and skills of social listening and to categorize in political professionals for the purpose of improving accuracy of detecting influential users.</p>
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Research Expenses (Round down amounts less than 1,000 yen)	Total Research Expenses (Yen, in thousands)	Breakdown (Yen, in thousands)					
		Overseas Travel Expenses	Domestic Travel Expenses	Equipment Expenses	Supplies Expenses	Honorarium	Miscellaneous
	177				177		
<b>Research Member(s)</b>							
Name	Affiliation / Job Title / Student Year etc.			Assigned Research Tasks			
IKUE YAWATA	Graduate School of Media and Governance/M2			Research Project Leader			
Total Number of Members: <u>  1  </u>							

<b>Other Expenses</b>		(in 1,000 yen denomination)
Details		Amount
Building Teaching data for Machine Learning evaluation An Experts of Political Science worked for 169 hours (total) to offer knowledge and skills of social listening on political fields and to categorize 1000 tweets at a rate of 100 tweets per an hour (1050yen hourly)		177
Total		177