Further Strategy beyond Checklist Survey

National Institute of Informatics

Masashi KAWAI





Background

- ✓ After conducting the checklist survey, data of many institutions about IR operations will be available.
- ✓ For instance, we will be able to obtain data about an operation relating to metadata management from a question in the checklist such as "Do you keep track of the metadata versions?"
- ✓ What we need to do after obtaining data from the checklist is identifying operations that have an impact on IR utilization
- ✓ It is because once those operations are identified, it will be able to improve IR utilization which is the main purpose of having an IR by spreading them among the IR community

Objective

- ✓ The objective of the presentation is...
 - : Identifying operations that have an impact on IR utilization
- ✓ In other words, the objective is...
 - : Calculating each operation's impact on IR utilization

Operation Impact B Impact C Operation Image of Objective Calculate impact

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Operation

Image of Objective

Operation
B

Impact B

Impact C

Impact C

Impact C

Operation
C

Operation
X

Calculate impact → How?







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Image of Data Construction

1.Construct a table based on the responses to the checklist

	Operation	Operation	Operation	 Operation	Utilization
	Α	В	С	X	No. of IR contents
Instituion 1	Yes	No	Yes	No	1000
Instituion 2	Yes	No	Yes	No	2000
Instituion 3	Yes	No	No	Yes	500000
÷					
Instituion Y	Yes	No	No	Yes	600000

Note: Data is artificial

2.Change value type

	Operation	Operation	Operation		Operation	Utilization
	Α	В	С	1970	X	No. of IR contents
Instituion 1	1	0	1		0	1000
Instituion 2	1	o	1		О	2000
Instituion 3	1	O	0		1	500000
:						
Instituion Y	1	0	0		1	600000



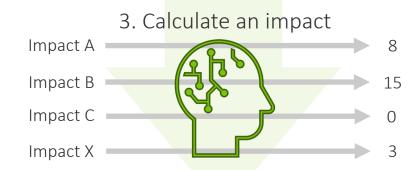
1.Select an algorithm



Image of Model Construction

2. Generate a model based on the selected algorithm and the constructed table data

	Operation	Operation	Operati	Operation	Utilization
	Α	В		X	No. of IR contents
Instituion 1	1	0	でもター	0	1000
Instituion 2	1	0		0	2000
Instituion 3	1	0		1	500000
:					
Instituion Y	1	0		1	600000







Random Forest

Operation F

Operation G

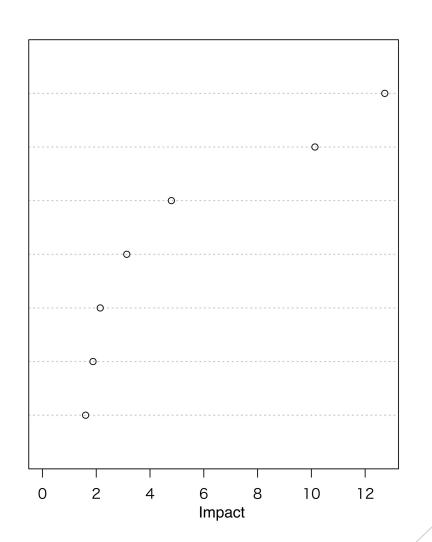
Operation B

Operation D

Operation C

Operation E

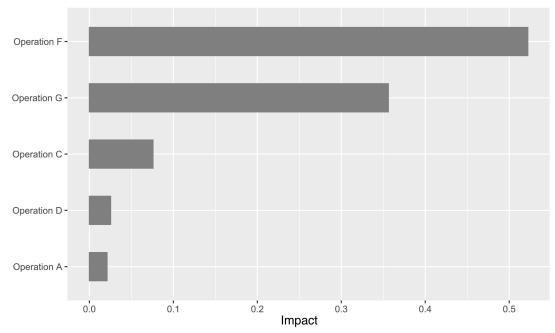
Operation A



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Summary

- ✓ The checklist can be used to identify operations that have an impact on IR utilization
- ✓ Each operation's impact can be calculated through data and model construction
- ✓ Once each operation's impact is calculated, it will be able to improve IR utilization by spreading them among the IR community

Thanks for listening m-Kawai@nii.ac.jp