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R as a tool for digital survey data

FOAR705 Proof of Concept presentation

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May 27, 2017

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Introduction

Kathry proof of concept for FOAR705 centred around constructing a tool chain using the data analysis software Introduction R. As my MRes research topic is centred around examining the influence of Korean popular music (K-Pop) within the Japanese music market, I plan to collect large quantities of data on listening tastes and the Elaborating recognition/interest in K-Pop from Japanese residents: especially within the Tokyo Region.

R Scoping fo SIII Selection

436666 hit ially, I had several areas where using a digital tool could

Introductimprove the flow and time-consumption of my work.

Selection

- Compiling sources for literature research
- Creating a Tool Analysis of survey data
- ranscription and Translation of Interviews



Scoping

Elaboration

order to choose the correct tool to use, I had to refine input and output sources. These went through many scoping iterations, but eventually ended up like this:

Elaboration

Implementation put: Raw data collected from an online survey site that collected from an online survey site that capable of producing both qualitative and quantitative results data and presenting it in a CSV format.

R fa sur

Implementation

Creating a Tool Chain

begin with, I needed to prove that R could take a basic introductives input and create my desired output. To do this, I scoping began by creating my own small table of data, before

Eleberation loading it into the R environment and constructing a plot.

Implementatio
Creating a Tool
Chain

Ethorators of his tool chain was a success, so I was then able to

Results continue onto using more complex data, in a similar style to

R fo sur

Phillips.

Implementation

Elaborating on my Chain

436868 Now I knew that my tool chain worked with simple data, I

Introduct decided to create a more complicated chain. This time, I Scoping would create a survey; mimicking question formats

Elboard potentially suitable for my thesis.

this, I created a simple survey via Google Forms. The chair mumber of questions were still kept to a minimum, and I results asked my classmates and co-convenors to fill out this.

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Results

Pros:

Introductio General growth of my technical skillset

-Success in using R to create simple tool chains

reased knowledge of technical tools available for implementation in a range of tasks

Results

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R

Results

Cons:

-R support online is often outdated for the current version (code changes)

Implemental however, I would say that if R is implemented properly, there will likely be fewer problems concerning data breaking under manipulation.

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Conclusion

far, my implementation of R as a tool for data analysis; taking simple raw csv data from online survey sites and Introduction ducing clear graphical data for word processing and typesetting software has been successful. It still remains to be seen if I can effectively manipulate more complicated data. However, I am confident that with this technical skillset I have learnt in the process of undertaking my Proof of Concept, I will be more prepared to solve potential