JCDL 2023 June 26 - 30, Santa Fe History-related Content Recommendation in Social Network Kouki Yoshida Adam Jato Takushoku University University of In

Introduction

Motivation:

Studying and analyzing historical data can provide numerous benefits: comprehension of the past, analogies over time, and so on.

Contribution:

Our system recommends history-related content in a customized way *according to the estimated* interests of users



stores past events Period: 1AD to 2019AD Pages: January 1 to December 31.

Num. of event: 71,374

share history-related content with large numbers of users



e, New Mexico, USA etworks based on User's Int er wt Insbruck Takushoku University Takushoku University		
rfaco		
· 2分 tory		 Example of inputs: I visited National Muse nice place. I especially watched Gate
e Splash sells for £23.	 .1m at	Word1. CWord2. Textraction3. REx.
v · 10s tory		
ılıı ∕ · 48s ^z amília	•••	Weight App assignment mod
ilii ⊥£ / · 1m /. It was so nice place		Use Use Use Use Use Use Use
Assumptions 1. When a Twitter us	ser	interest topics • Ra
posts a certain tweet, the user is basically		C
interested in the content of the tweet. <i>The interest level</i> <i>however fades with time</i> 2. <i>The content of repeated</i> <i>tweets forms continuous</i> <i>interest of the user</i>		We proposed a chatbot in in line with user interest Twitter users based on t the passage of time. In future we will analyz

erest Estimation

nikawa versity

Algorithm

eum of Art, Tokyo today. It was so

Gaudí and the Sagrada Família

Collecting past tweets Tokenizing Removing stop words .: national, museum, art, tokyo

plying the forgetting curve of memory del (the figure in Key idea)

Wikipedia categories as topics se TAGME to get Wikipedia cat. x.: Sagrada Família

 $AGME \rightarrow Art$ Nouveau church buildings in Spain anking by cosine sim. + LSA

Conclusions

to present a history-related content sts by analyzing the interests of their posted tweets and considering

ze what type of history-related content attracts the interest of users.