# HistoChatbot: Educating History by Generating Quizzes in Social Network Services

## 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



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# Snapshot of system inte



HistoChatbot @HistoChatbot · May 23 The answer is: Paolo Borsellino

HistoChatbot @HistoChatbot · May 23 Calendar-based History Quiz: Who will be ass months later?





HistoChatbot @HistoChatbot · May 23 The answer is: 1726

HistoChatbot @HistoChatbot · May 23 Trending-related History Quiz: When was the established?

# Algorithms

1. Calendar-based Quiz Mode The chatbot posts quizzes about past event same calendar day in the past.

2. Current-news-based Quiz Mode

This mode outputs content about past ever the current events. To collect data on the cur list that includes Twitter official accounts of n including CNN, BBC, NYT, and others

3. Trending-words-basedQuizMode

Twitter lists words that many users were re indicating themas trending. We use it to post be potentially interested in.

#### 4. Entity-based Quiz Mode

We describe now our last work mode. Its id corresponding to users' requests. If a user wa about particular entity, she can request a rela entity.

Adam Jatowt University of Innsbruck

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ts that occurred on the nts which are similar to rent events, we created a nultiple news companies	<ul> <li>1. Q&amp;A generator 95 out of 100 generate</li> <li>2. Quiz selection <ul> <li>We prepared 100 rand</li> <li>72.7% success rate ove</li> <li>We found that incorree entity or trending wor Amazon)</li> </ul> </li> </ul>
ecently interested in by t quizzes that users may	
dea is to post quizzes ants to receive questions ated quiz about that	We have described a frace of the chatbot systems that pool In future we will measure statistical approaches side dissemination.



## tem Overview



## Evaluation

ed quizzes as correct.

dom texts for each of the three modes er the 300 produced quizzes. ect quizzes were often chosen when the rd was not uniquely defined (e.g.,

### Conclusions

amework for designing responsive ost history-related quizzes in SNSs. ure event popularity (e.g., with imilar to) to better select content for