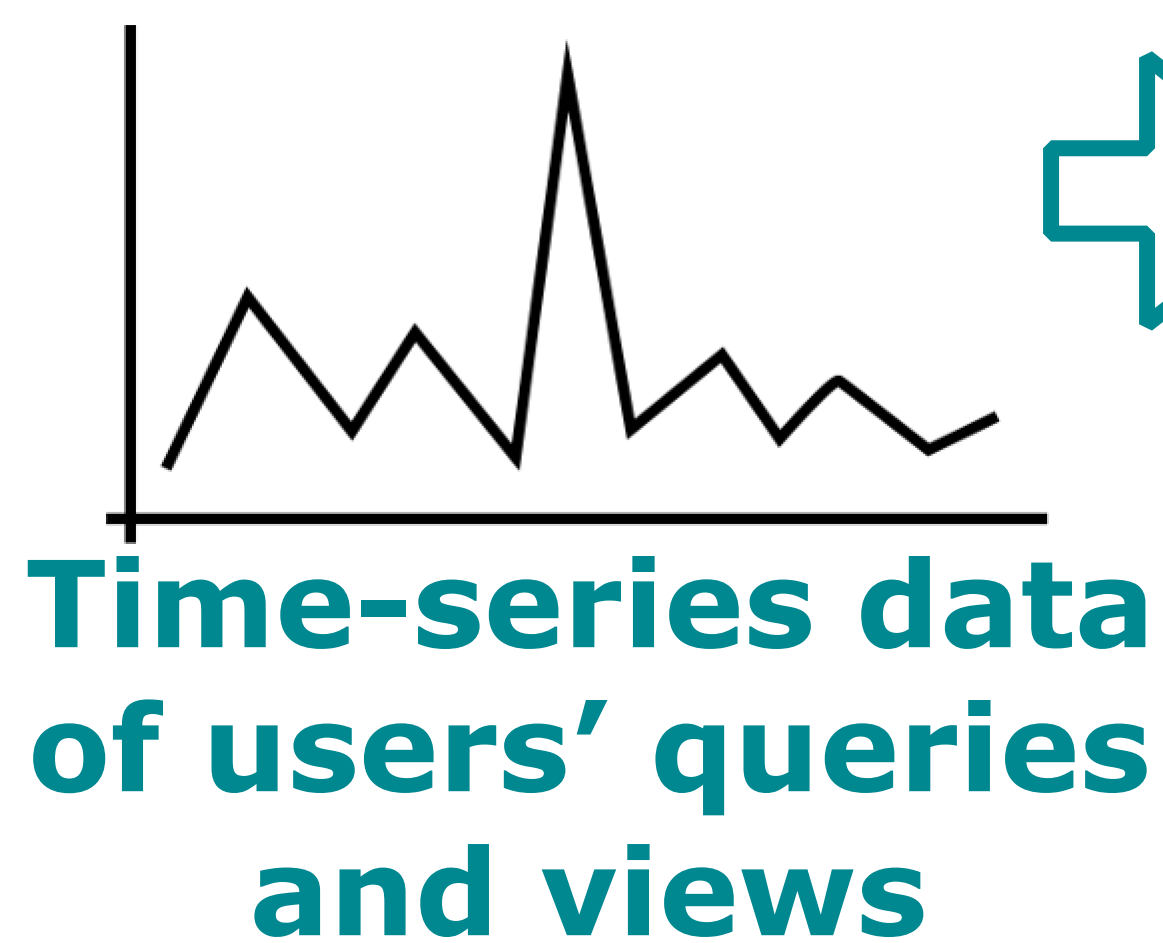


# Temporal Query Intent Disambiguation using Time-Series Data

Yue Zhao and Claudia Hauff

Web Information Systems Group, Delft University of Technology

## Motivation:



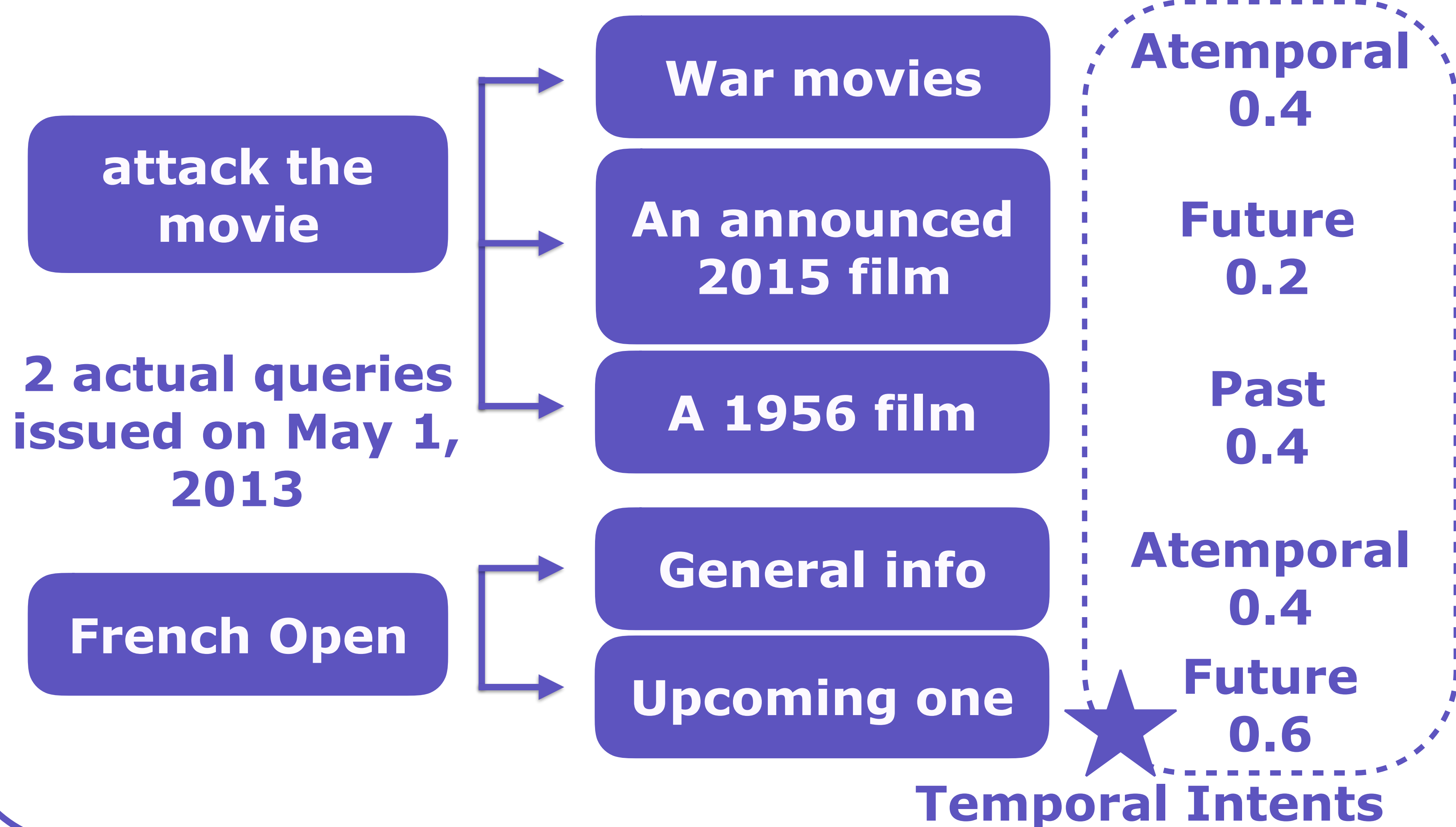
Trends of users' interest

Temporal Intents

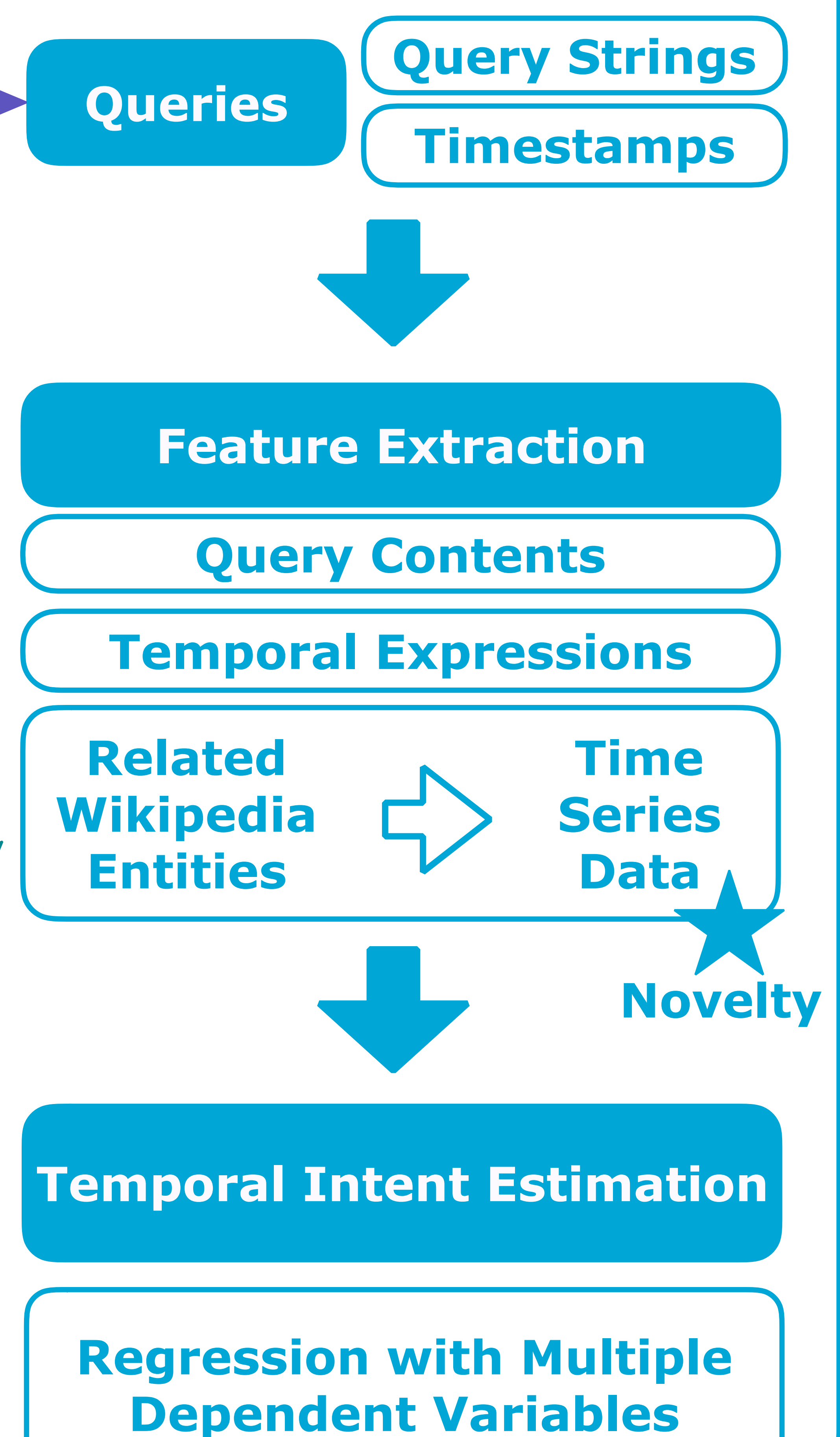
## Research Question:

Do features derived from an accessible time-series data source improve the disambiguation of users' temporal intents?

## Ambiguous Temporal Intents:



## Approach:



## Time-Series Data Sources:



## Experiments:

Dataset: NTCIR-12 Temporal-2

Baseline: Features from query content and temporal expressions

## Conclusion:

For queries without temporal expressions present in their strings, Wikipedia pageview-based time series data can significantly improve the disambiguation of their temporal intents.