EventKG+BT:
Generation of Interactive Biography Timelines from a Knowledge Graph

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CHALLENGE AND GOAL

- High amount of event-centric information about notable accomplishments and important events in the life of people of public interest
- **Goal**: create concise and interactive spatio-temporal representations of biographies from a knowledge graph
- Predict the relevance of potential timeline entries found in EventKG by learning from textual biographies

TIMELINE GENERATION

- Extract a set of potential timeline entries from EventKG, for example:
  - John Adams, born, 30 Oct 1735
- Distant supervision approach that identifies relevant temporal relations in biography texts
- SVM classifier on features such as
  - person type
  - property
  - relatedness of the object to the person

THE INTERFACE

- **1** Wikipedia biography
- **2** Short textual biography
- **3** Event map
- **4** Locations related to timeline entries
- **5** Biography timeline
- **③** Timeline grouped by property labels
- **④** Related people
- **⑤** Most important people in the person's life
- **⑥** Events

SCENARIO

- Example question: “What were the notable accomplishments in the life of John Adams?”
- Tedious and time-consuming task that usually requires close reading of long encyclopedic or biographical sources
- EventKG+BT enables exploration of personal biographies based on concise biography timelines

THE PROJECT

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eventkg-biographies.l3s.uni-hannover.de