

# Analysing Big Data

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- Goals:
  - Find user interests
  - Advertise to them



# Tasks

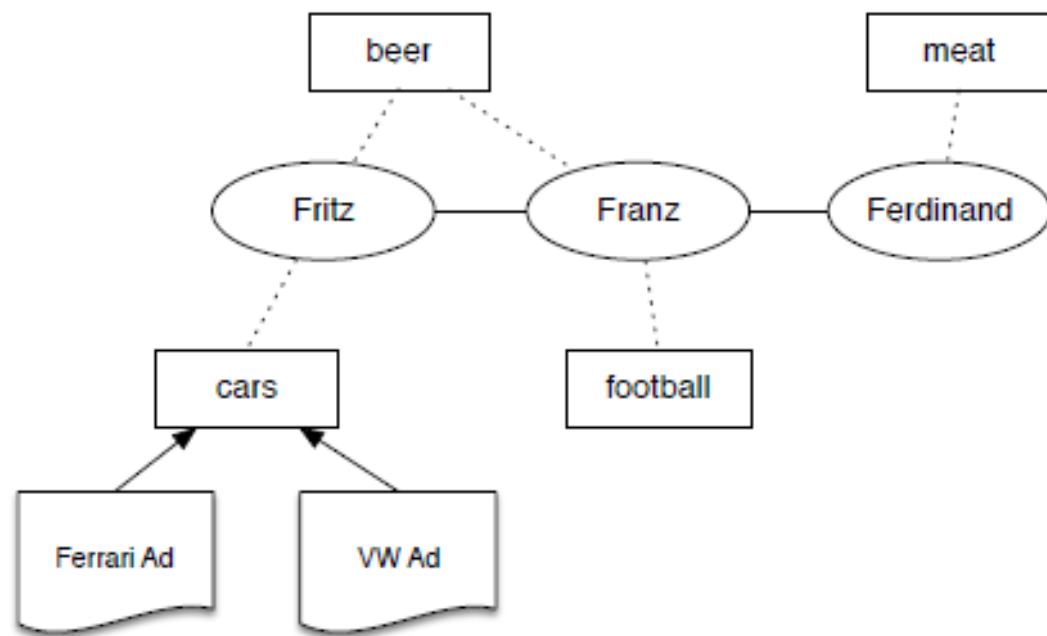
## Stage 1

- Extract tweets from twitter
- Mine tweets (find topic interests, find user relationships) and store them

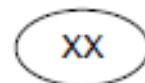
## Stage 2

- Query over findings
- Display in web app

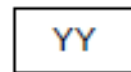
# Model



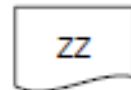
## Key:



User



Topic



Advertisement



interacts-with  
relationship

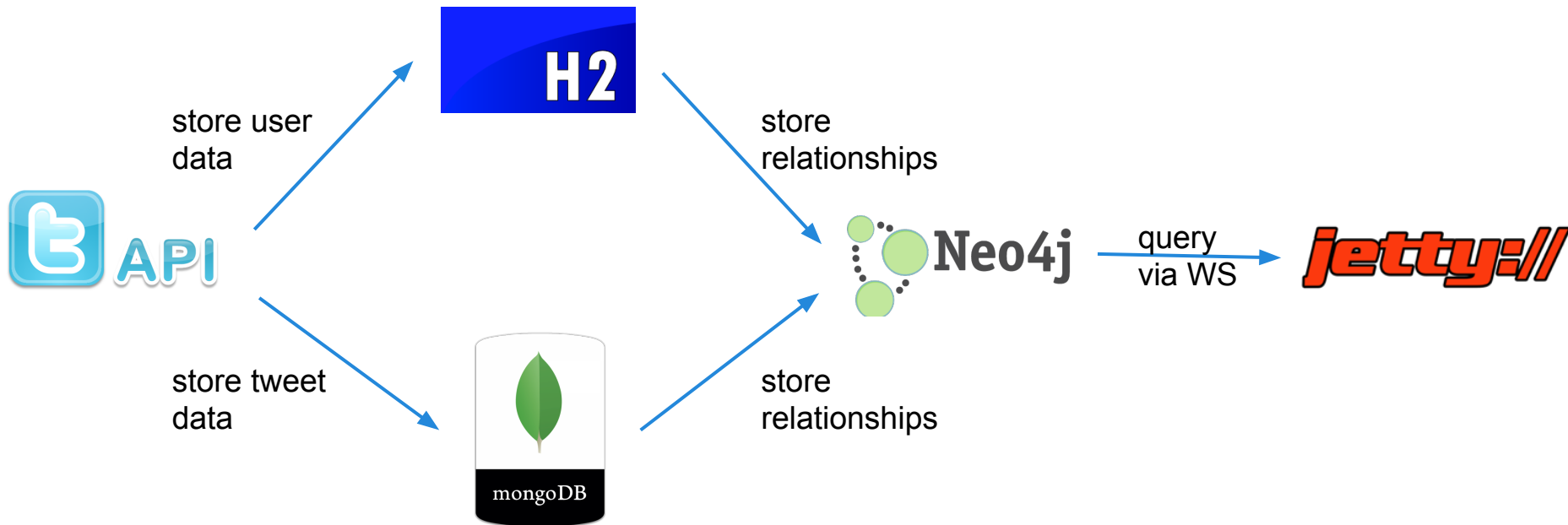


interested-in  
relationship



associated with  
topic

# Workflow



# Query objectives

- Most influential persons
  - Many followers
  - Many retweets and favorites
- Range of topic interest
- Suitable ads
  - existing interest (topic-user relationship)
  - potential interest (user-user relationship)

# Demo

# Thanks