



## CITEMAP

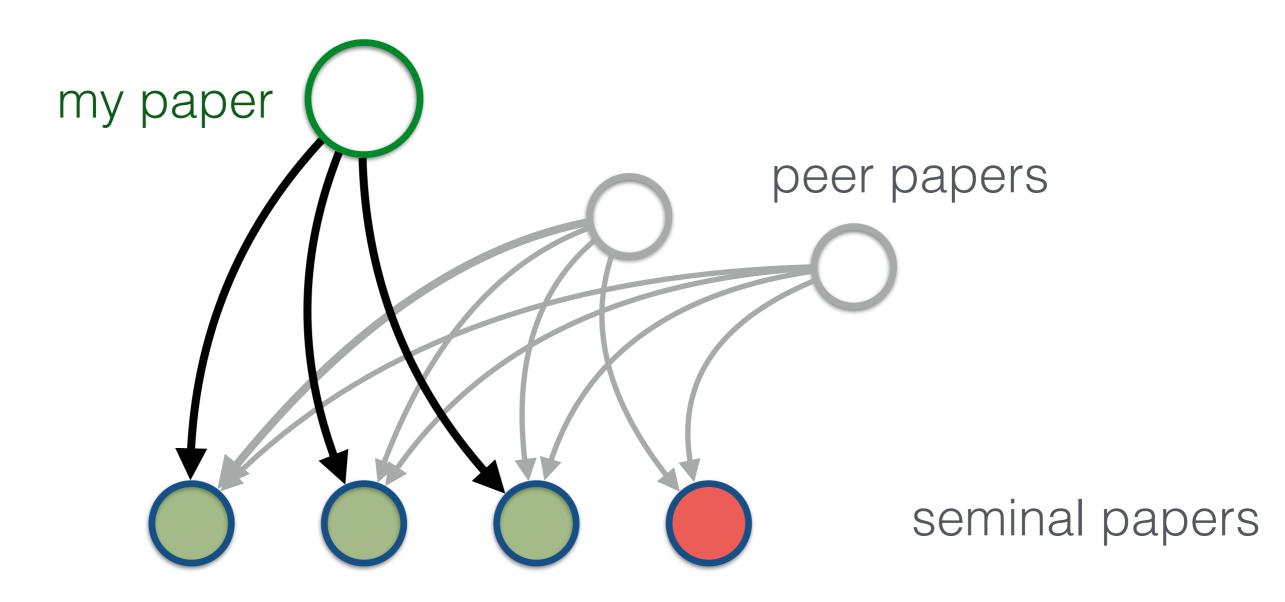
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git.io/vWatB

With thanks to: *mitar*, Tadej Novak, *Steven !Ragnarök*, *ivan, dreww,* Julia Bossmann, Julia Graber, the IBM Watson people, & everyone who chatted with us!



#### The Problem



papers that I cited forgot to cite

#### The Data Set



Open access literature database for high energy physics

Clean: Remove empty data, incomplete data (old papers)

Make tractable: only take papers after 2000

#### ~ 500,000 entries

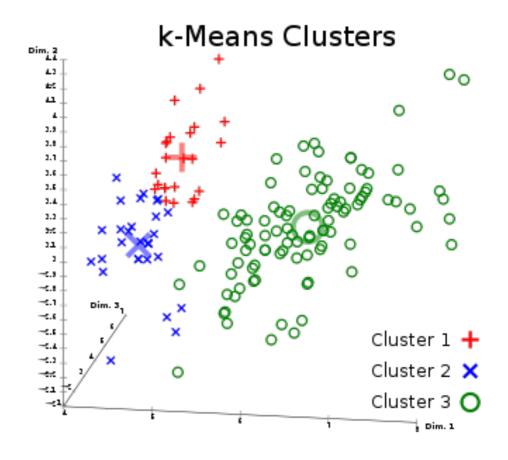
#### Technique

### Using Peer Papers RULES-BASED

# peer papers

#### Bag of Words

K-MEANS CLUSTERING



Wikimedia, Chire, *k-means* 



#### **Possible Directions**

In Vivo testing with academics

PubMed/CiteSeerx dataset

FullText Analysis

PARTIAL DATASET: bit.ly/IRvuK4F

Heroku web service Run on Spark





... and continue to spread & hack SCIENCE HACK DAY

thanks everyone!