

Topic Mining and Analysis: Motivation

- Topic \approx main idea discussed in text data
 - Theme/subject of a discussion or conversation
 - Different granularities (e.g., topic of a sentence, an article, etc.)
- Many applications require discovery of topics in text
 - What are Twitter users talking about today?
 - What are the current research topics in data mining? How are they different from those 5 years ago?
 - What do people like about the iPhone 6? What do they dislike?
 - What were the major topics debated in 2012 presidential election?