# Methods for Mining and Summarizing Text Conversations (Synthesis Lectures on Data Management)

*Giuseppe Carenini, Gabriel Murray, Raymond Ng*

# Methods for Mining and Summarizing Text Conversations (Synthesis Lectures on Data Management)

*Giuseppe Carenini, Gabriel Murray, Raymond Ng*

**Methods for Mining and Summarizing Text Conversations (Synthesis Lectures on Data Management)**
Giuseppe Carenini, Gabriel Murray, Raymond Ng
Due to the Internet Revolution, human conversational data -- in written forms -- are accumulating at a phenomenal rate. At the same time, improvements in speech technology enable many spoken conversations to be transcribed. Individuals and organizations engage in email exchanges, face-to-face meetings, blogging, texting and other social media activities. The advances in natural language processing provide ample opportunities for these "informal documents" to be analyzed and mined, thus creating numerous new and valuable applications. This book presents a set of computational methods to extract information from conversational data, and to provide natural language summaries of the data. The book begins with an overview of basic concepts, such as the differences between extractive and abstractive summaries, and metrics for evaluating the effectiveness of summarization and various extraction tasks. It also describes some of the benchmark corpora used in the literature.

The book introduces extraction and mining methods for performing subjectivity and sentiment detection, topic segmentation and modeling, and the extraction of conversational structure. It also describes frameworks for conducting dialogue act recognition, decision and action item detection, and extraction of thread structure. There is a specific focus on performing all these tasks on conversational data, such as meeting transcripts (which exemplify synchronous conversations) and emails (which exemplify asynchronous conversations). Very recent approaches to deal with blogs, discussion forums and microblogs (e.g., Twitter) are also discussed.

The second half of this book focuses on natural language summarization of conversational data. It gives an overview of several extractive and abstractive summarizers developed for emails, meetings, blogs and forums. It also describes attempts for building multi-modal summarizers. Last but not least, the book concludes with thoughts on topics for further development.

Table of Contents: Introduction / Background: Corpora and Evaluation Methods / Mining Text Conversations / Summarizing Text Conversations / Conclusions / Final Thoughts

**Download and Read Free Online Methods for Mining and Summarizing Text Conversations (Synthesis Lectures on Data Management) Giuseppe Carenini, Gabriel Murray, Raymond Ng**

---

**From reader reviews:**

**Donna Barragan:**

Why don't make it to be your habit? Right now, try to ready your time to do the important behave, like looking for your favorite reserve and reading a reserve. Beside you can solve your short lived problem; you can add your knowledge by the book entitled Methods for Mining and Summarizing Text Conversations (Synthesis Lectures on Data Management). Try to make the book Methods for Mining and Summarizing Text Conversations (Synthesis Lectures on Data Management) as your pal. It means that it can being your friend when you experience alone and beside regarding course make you smarter than before. Yeah, it is very fortuned for yourself. The book makes you much more confidence because you can know everything by the book. So , let me make new experience and also knowledge with this book.

**William Oden:**

What do you regarding book? It is not important to you? Or just adding material when you need something to explain what the ones you have problem? How about your spare time? Or are you busy individual? If you don't have spare time to do others business, it is give you a sense of feeling bored faster. And you have free time? What did you do? Every individual has many questions above. The doctor has to answer that question due to the fact just their can do in which. It said that about reserve. Book is familiar in each person. Yes, it is correct. Because start from on jardín de infancia until university need this Methods for Mining and Summarizing Text Conversations (Synthesis Lectures on Data Management) to read.

**Lester Magno:**

People live in this new morning of lifestyle always aim to and must have the spare time or they will get wide range of stress from both day to day life and work. So , if we ask do people have extra time, we will say absolutely sure. People is human not really a robot. Then we question again, what kind of activity do you possess when the spare time coming to a person of course your answer will certainly unlimited right. Then do you ever try this one, reading textbooks. It can be your alternative inside spending your spare time, often the book you have read is Methods for Mining and Summarizing Text Conversations (Synthesis Lectures on Data Management).

**Marcela Beach:**

As a college student exactly feel bored in order to reading. If their teacher expected them to go to the library or make summary for some e-book, they are complained. Just very little students that has reading's heart or real their hobby. They just do what the instructor want, like asked to go to the library. They go to right now there but nothing reading significantly. Any students feel that looking at is not important, boring in addition to can't see colorful images on there. Yeah, it is for being complicated. Book is very important to suit your needs. As we know that on this period of time, many ways to get whatever we wish. Likewise word says, ways to reach Chinese's country. Therefore , this Methods for Mining and Summarizing Text Conversations

(Synthesis Lectures on Data Management) can make you sense more interested to read.

# Download and Read Online Methods for Mining and Summarizing Text Conversations (Synthesis Lectures on Data Management) Giuseppe Carenini, Gabriel Murray, Raymond Ng #PQJIBEXK24U

# Read Methods for Mining and Summarizing Text Conversations (Synthesis Lectures on Data Management) by Giuseppe Carenini, Gabriel Murray, Raymond Ng for online ebook

Methods for Mining and Summarizing Text Conversations (Synthesis Lectures on Data Management) by Giuseppe Carenini, Gabriel Murray, Raymond Ng Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Methods for Mining and Summarizing Text Conversations (Synthesis Lectures on Data Management) by Giuseppe Carenini, Gabriel Murray, Raymond Ng books to read online.

## Online Methods for Mining and Summarizing Text Conversations (Synthesis Lectures on Data Management) by Giuseppe Carenini, Gabriel Murray, Raymond Ng ebook PDF download

**Methods for Mining and Summarizing Text Conversations (Synthesis Lectures on Data Management) by Giuseppe Carenini, Gabriel Murray, Raymond Ng Doc**

**Methods for Mining and Summarizing Text Conversations (Synthesis Lectures on Data Management) by Giuseppe Carenini, Gabriel Murray, Raymond Ng Mobipocket**

**Methods for Mining and Summarizing Text Conversations (Synthesis Lectures on Data Management) by Giuseppe Carenini, Gabriel Murray, Raymond Ng EPub**