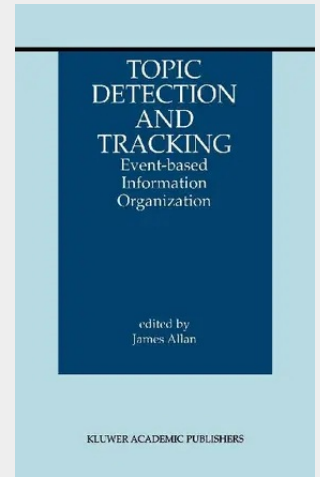


Topic Detection and Tracking

Event-based Information Organization

The purpose of this book is to provide a record of the state of the art in Topic Detection and Tracking (TDT) in a single place. Research in TDT has been going on for about five years, and publications related to it are scattered all over the place as technical reports, unpublished manuscripts, or in numerous conference proceedings. The third and fourth in a series of on-going TDT evaluations marked a turning point in the research. As such, it provides an excellent time to pause, review the state of the art, gather lessons learned, and describe the open challenges. This book is a collection of technical papers. As such, its primary audience is researchers interested in the current state of TDT research, researchers who hope to leverage that work so that their own efforts can avoid pointless duplication and false starts. It might also point them in the direction of interesting unsolved problems within the area. The book is also of interest to practitioners in fields that are related to TDT--e.g., Information Retrieval, Automatic Speech Recognition, Machine Learning, Information Extraction, and so on. In those cases, TDT may provide a rich application domain for their own research, or it might address similar enough problems that some lessons learned can be tweaked slightly to answer--perhaps partially--

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