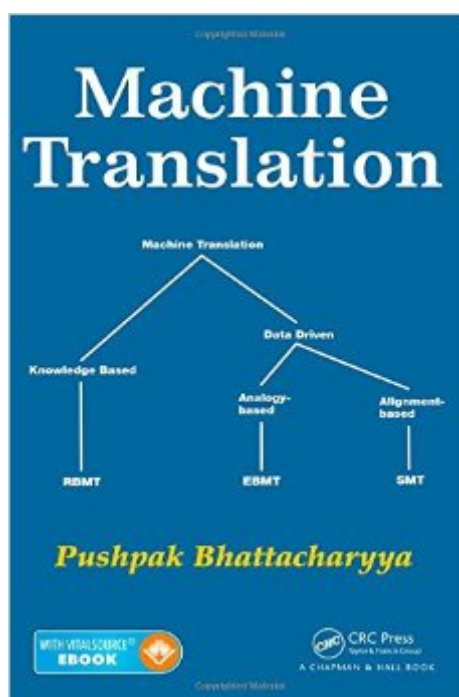The book was found

Machine Translation

Synopsis

Three paradigms have dominated machine translation (MT)â •rule-based machine translation (RBMT), statistical machine translation (SMT), and example-based machine translation (EBMT). These paradigms differ in the way they handle the three fundamental processes in MTâ •analysis, transfer, and generation (ATG). In its pure form, RBMT uses rules, while SMT uses data. EBMT tries a combinationâ •data supplies translation parts that rules recombine to produce translation. Machine Translation compares and contrasts the salient principles and practices of RBMT, SMT, and EBMT. Offering an exposition of language phenomena followed by modeling and experimentation, the text: Introduces MT against the backdrop of language divergence and the Vauquois triangle Presents expectation maximization (EM)-based word alignment as a turning point in the history of MT Discusses the most important element of SMTâ •bilingual word alignment from pairs of parallel translations Explores the IBM models of MT, explaining how to find the best alignment given a translation pair and how to find the best translation given a new input sentence Covers the mathematics of phrase-based SMT, phrase-based decoding, and the Moses SMT environment Provides complete walk-throughs of the working of interlingua-based and transfer-based RBMT Analyzes EBMT, showing how translation parts can be extracted and recombined to translate a new input, all automatically Includes numerous examples that illustrate universal translation phenomena through the usage of specific languages Machine Translation is designed for advanced undergraduate-level and graduate-level courses in machine translation and natural language processing. The book also makes a handy professional reference for computer engineers.

Book Information

Customer Reviews

Excellent book. A must read

The Confessions: (Vol. I/1) Revised, (The Works of Saint Augustine: A Translation for the 21st Century) (The Works of Saint Augustine: A Translation for the 21st Century, Vol. 1) Translation-mediated Communication in a Digital World: Facing the Challenges of Globalization and Localization (Topics in Translation) Lancelot-Grail: 2. The Story of Merlin: The Old French Arthurian Vulgate and Post-Vulgate in Translation (Lancelot-Grail: The Old French Arthurian Vulgate and Post-Vulgate in Translation) Romans: Grace and Glory (The Passion Translation): The Passion Translation Machine Translation Statistical Machine Translation The Bread Lover's Bread Machine Cookbook: A Master Baker's 300 Favorite Recipes for Perfect-Every-Time Bread-From Every Kind of Machine More Bread Machine Magic : More Than 140 New Recipes From the Authors of Bread Machine Magic for Use in All Types of Sizes of Bread Machines Bread Machine Cookbook: Delicious And Simple Bread Machine Recipes 80 Bread Machine Best-Ever Recipes: Discover the potential of your bread machine with step-by-step recipes from around the world, illustrated in 300 photographs The Bread Machine Bible: More Than 100 Recipes for Delicious Home Baking with Your Bread Machine The Bread Machine Magic Book of Helpful Hints: Dozens of Problem-Solving Hints and Troubleshooting Techniques for Getting the Most out of Your Bread Machine The Complete Guide to Machine Quilting: How to Use Your Home Sewing Machine to Achieve Hand-Quilting Effects First-Time Machine Applique: Learning to Machine Applique in Nine Easy Lessons The Sewing Machine Embroiderer's Bible: Get the Most from Your Machine with Embroidery Designs and Inbuilt Decorative Stitches The Sewing Machine Classroom: Learn the Ins & Outs of Your Machine The Sewing Machine Accessory Bible: Get the Most Out of Your Machine---From Using Basic Feet to Mastering Specialty Feet Mastering Machine Applique: The Complete Guide Including: Invisible Machine Applique Satin Stitch Blanket Stitch & Much More Machine Learning: A Probabilistic Perspective (Adaptive Computation and Machine Learning series) Deep Learning: Recurrent Neural Networks in Python: LSTM, GRU, and more RNN machine learning architectures in Python and Theano (Machine Learning in Python)