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Information Extraction from Speech and Text

Homework # 9

Due April 16, 2009.

Review Chapter 10 from *Statistical Methods for Speech Recognition* by Frederick Jelinek.

1. Write a two page summary (including any figures if you wish) of the article

L. R. Bahl, P. F. Brown, P. V. de Souza and R. L. Mercer, “A Tree Based Language Model for Natural Language Speech Recognition,” *IEEE Transactions on Acoustics, Speech and Signal Processing*, 37(7):1001–1008, 1989.

2. Write a four page summary (including any figures if you wish) of the article

P. Xu and F. Jelinek, “Random Forests and the Data Sparseness Problem in Language Modeling,” *Computer Speech and Language*, 21(1):105–152, 2007.

If you have difficulties obtaining these articles, stop by CSEB 325.