

started a new training which included gender dependent models. At the training stage where the evaluation system had a 16.8% error on the 1992 WSJ development set, the improved system had a word error rate which is a reduction by about 13%.

CON AND FUTURE PLANS

recognizer has proven to give good results on the 1994 Verbril development data.

Acoustic Modeling for
Speaker-Independent Continuous Speech Recognition",
Ph.D. Thesis, Carnegie Mellon University, 1993

[3] Digalakis V., Murveit H.

word errors on the 1992 si-dev-05 test set. We trained
a recognizer with all the training steps that were de-
scribed in 1.3 using only the SI-84 training set. All
architecture decisions were made with this data. We
trained 12885 context dependent models that per-
formed on the si-dev-05 development test set
with different numbers of model
parameters.

1.3 TRAINING

The default training procedure is as follows:

- Create labels for a given database, using an existing recognizer that was bootstrapped on previous databases (sometimes even foreign databases, if necessary). For this evaluation we used the role of Resource Management database.

independent continuous density
with the k-means al-
gorithms

THE JANUS SPEECH RECOGNIZER

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ABSTRACT

JANS [17] was designed for the translation of spontaneous human-to-human speech. Before the 1994 CSR it was run with vocabularies of up to 10,000 words. It participated on the Conference on Intelligent Systems and Applications tasks.