t<https://engineering.tamu.edu/media/697182/tamu-cs-tr-2008-7-1.pdf>

<http://web.stanford.edu/class/cs224s/reports/Amy_Bearman.pdf> neural networks

<https://ieeexplore.ieee.org/document/5439721>

<https://www.isca-speech.org/archive_open/archive_papers/ssw6/ssw6_064.pdf>

# Can voice conversion be used to reduce non-native accents?

<https://ieeexplore.ieee.org/document/6855134>

# Accent reduction for computer-aided language learning

<https://ieeexplore.ieee.org/document/6333951>

# Foreign accent conversion in computer assisted pronunciation training

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2993100/>

ARTICULATORY BASED SPEECH PROCESSING METHODS FOR FOREIGN ACCENT CONVERSION

<http://oaktrust.library.tamu.edu/bitstream/handle/1969.1/ETD-TAMU-2011-08-9760/FELPS-DISSERTATION.pdf?sequence=2>

Accent Modification

<https://www.asha.org/PRPSpecificTopic.aspx?folderid=8589943199&section=Key_Issues>

Vowel Quality in accent modification

<http://www.assta.org/sst/2006/sst2006-28.pdf>

Towards an automatic foreign accent reduction tool

<https://www.researchgate.net/publication/228373777_Towards_an_automatic_foreign_accent_reduction_tool>

# Speaker and Accent Variation Are Handled Differently: Evidence in Native and Non-Native Listeners

<https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0156870>

EXPERIMENTS IN VOICE QUALITY MODIFICATION OF NATURAL SPEECH SIGNALS: THE SPECTRAL APPROACH

<https://pdfs.semanticscholar.org/bac1/088e07c9df8791c87c1480d661c9370dbbfe.pdf>

Accent reduction for computer aided language learning

<https://ieeexplore.ieee.org/document/6333951>

Accent conversion

<https://psi.engr.tamu.edu/portfolio/accent-conversion/>

Sentences:

1. I am going to the super-market.
2. What about the girl next door? Let her join in the play too !
3. I am too embarrassed to even step outside my room !

**Sentences from the dataset of length 8-11 words:**

1. The ship should be in within a week or 10 days (arctic\_a0039.wav / 11 words)
2. Gregson was asleep when he reentered the cabin (arctic\_a0049.wav / 8 words)
3. I was about to do this when cooler judgement prevailed (arctic\_a0025.wav / 10 words)
4. Author of the Danger Trails, Philip Steels, etc (arctic\_a0001.wav / 8 words)
5. His blood grew hot with rage at the thought (arctic\_a0091.wav / 9 words)
6. There has been a change, she interrupted him (arctic\_a0075.wav / 9 words)
7. A trickle of fresh blood ran over his face (arctic\_a0085.wav / 9 words)
8. Yes, it was a man who asked, a stranger (arctic\_a0063.wav / 9 words)
9. I suppose you wonder why she is coming up here (arctic\_a0040.wav / 10 words)
10. He moved away as quietly as he had come (arctic\_a0045.wav / 9 words)

**Sentences from the dataset of length 4-7 words:**

1. You must sleep, he urged (arctic\_a0100.wav / 5 words)
2. His immaculate appearance was gone (arctic\_a0059.wav / 5 words)
3. There was nothing on the rock (arctic\_a0054.wav / 6 words)
4. Anyway, no one saw her like that (arctic\_a0060.wav / 7 words)
5. Surely I will excuse you, she cried (arctic\_a0067.wav / 7 words)
6. The singing voice approached rapidly (arctic\_a0090.wav / 5 words)
7. Shall I carry you? (arctic\_a0098.wav / 4 words)
8. They were three hundred yards apart (arctic\_a0031.wav / 6 words)
9. It was a curious coincidence (arctic\_a0052.wav / 5 words)
10. Will we ever forget it? (arctic\_a0005.wav / 5 words)

arctic\_a0012.wav

Sentence: Gregson shove back his chair and rose to his feet.

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arctic\_a0014.wav

Sentence: Now you are coming down to business Phil, he explained.

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arctic\_a0017.wav

Sentence: From that moment his friendship for (Alice) turns to hatred and jealousy.

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arctic\_a0018.wav

Sentence: There was a change now.

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arctic\_a0020.wav

Sentence: Clubs and bars and cities grew to be only memories.

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arctic\_a0022.wav

Sentence: Hardly were our plans made public before we were met by powerful opposition

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arctic\_a0024.wav

Sentence: It was my reports from the North which chiefly induced people to buy.

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arctic\_a0026.wav

Sentence: It occurred to me that there would have to be an accounting

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arctic\_a0027.wav

Sentence: To my surprise, he began to show actual enthusiasm in my favour.

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arctic\_a0029.wav

Sentence: Their forces were already moving into the North country.

Reason for changing duration first :-

* Mean energy will get affected due to elongation, silence, noise
* Comparison purpose

Graphs needed

1. Energy
2. VOPs
3. Pitch contour plots
4. Duration

Evaluation metric

Readings for number of samples