

Master Thesis

Text to Speech synthesis system for Modern Standard Arabic and dialects

Motivation

Many Arabic-speaking refugees have communication difficulties due to the language barrier, which makes doctor visits without the presence of an interpreter practically impossible. Due to the high demand for Arabic-German interpreters and the lack of qualified persons for the psychiatric field, the ISL are developing a translation system specially tailored to this specific domain. So that illiterates can benefit from the developed system, the translation should be played in Arabic language.

Goal:

- Development of a text-to-speech synthesis system for Modern Standard Arabic with state-of-the-art methods and adaptation of the system to dialects online and offline.

Task:

- Literature research on state of the art technologies.
- Train and test the most promising architectures.

Qualifications:

- Good knowledge of machine learning and neural networks.
- Arabic as mother tongue or similar level is advantageous.

Interested?

Send your application to:

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