Towards a sustainable approach regarding speech and language technology! What standards/guidelines are needed?

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Abstract

Introduction: Big data is essential regarding use of speech and language technology. Our focus in this study is on internet of things and how it can clean and structure annotation of raw speech data. We further focus on data reusability value and creation of standards available through open source databases. Our goal is to combine user epigenetic/genetic with best possible speech and language technology to design therapies for people suffering from stuttering.

Bakground: About 1% of Swedish population suffers from stuttering. More men than women are affected. Stuttering is more frequent among children than adults. Worldwide about 70 millions people are affected by stuttering and 3 millions of them live in USA.

Method: There is currently a Smith and Weber-Fox's neurodevelopmental, epigenetic model available for stuttering. We aim to correlate this model with internet of things and how it can clean and structure annotation of raw speech data in order to stimulate the stuttering individual towards self-awareness of its speech and how we can help the individual towards stutter free speech.

Results: A simulation demo will be available on the presenter's laptop at the conference in order to show how individuals suffering from stuttering can be stimulated into a stuttering free life.

References:

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