Plan Overview

A Data Management Plan created using DMPonline

Title: Simulation of Teacher-Learner Interaction in English Language Pronunciation Learning

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Template: Postgraduate Research DMP (The University of Sheffield)

Project abstract:

Second language acquisition (SLA) is a process in which a second language is learnt from a native speaker. The research related to SLA frequently draws on different disciplines, including psychology, education, and computer science. Acquiring L2 is a challenging process, while learners tend to depend on the norms and categories of their L1 while learning to interpret and emit L2 sounds. Also, each learner has a distinct language learning strategy which is particular actions or behaviours that learners use to learn L2. The teacher plays an essential role in second language learning. Using a suitable teaching strategy to give corrective feedback improves the learner's language acquisition. Therefore, many researchers study the teacher and learner's interactions in SLA. To simulate the teacher role, Computer-assisted language learning (CALL) presented. However, the CALL system does not provide a whole meaning of enhancing the learning process since it simulates the teacher role only. Acting the learner behaviours and responding to different teaching helps find the best teaching strategies. Some other research focuses on identifying the cognitive and perceptual operations that enable the learner mind to act. This project aims to simulate teacher-learner interaction in English pronunciation learning. Each experiment simulates a different case in the pronunciation learning process. In this report, we summarize some basic and background information related to L2 English. Then Investigate the literature that other authors report on the subject of teacher and learner modelling. Therefore, we derived some research questions and proposed an experiment that considers different teacher and learner models components. Finally, it lists the research plan in order to answer the research question.

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Copyright information:

Simulation of Teacher-Learner Interaction in English Language Pronunciation Learning

Defining your data

- What data will you collect or create during the project?
- How will the data be collected or created, and over what time period?
- What formats will your digital data be in?
- Approximately how much digital data will be generated during the project?
- Are you using pre-existing datasets? Give details if possible, including conditions of use

I will use a public available pre-existing dataset. A dataset will be a collection of recorded audio for English learner and English native speakers.

Looking after your data

- How will you make data easier to understand and use? *(e.g. creating a README file)*
- Where will you store digital and physical data during the project?
- How will you name and organise your data files?
- How will you ensure data is backed up? *(e.g. using [University research data storage](#))*
- How often will you check your backup files? *(e.g. on backup, at set intervals)*
- Will you use extra security precautions for any of your digital or physical data? *(e.g. for sensitive and/or personal data)*

The pre-existing dataset will include a README file.
The dataset will be download to the MiNi framework.

Archiving your data

- What data will be archived (stored on a long-term basis) at the end of the project?
- How long will the data be stored for? *(e.g. standard TUoS retention period of 10 years)*
- Where will the archive be stored? *(e.g. subject-specific repository, or [ORDA](#))*
- Who will archive the data? *(e.g. you, or your supervisor)*
- If you plan to use storage other than a repository, who will be responsible for the data?

The dataset will be download to the MiNi framework.

Sharing your data

- How will you make your data available outside the research group after the project? *(e.g. through data repository, or access on request via data availability statement)*
- Will you make all of your data available, or are there reasons you can't do this? *(e.g. personal data, commercial or legal restrictions, very large datasets)*
- How might you make more of your data available? *(e.g. anonymisation, participant consent, analysed data only)*
- What licence might you attach to your data to say how it can be reused and shared?

I don't need to share the data because it is already available online

Implementing your plan

- Who is responsible for making sure the plan is followed? *(e.g. you, your supervisor)*
- How often will the plan be reviewed and updated? *(e.g. if the project changes, yearly)*
- What actions have you identified from the rest of this plan? *(e.g. selecting a repository, requesting University research data storage)*

No need for any follow-up plan