

Summer Semester 2018 Advanced projects at the Q&U Lab

- Studienprojekt Quality & Usability (6LP)

Project title: Environmental Noise Classification for Crowdsourcing Systems

Supervisor(s) name(s): Rafael Zequeira Jiménez

Contact email: rafael.zequeira@tu-berlin.de

Minimum number of participants: 5

Maximum number of participants: 10

Preferred module: Study Project Quality & Usability (6 LP)

When and where the weekly meetings will take place:

Day of the week: Wednesdays

Time from: 11:00

Time until: 12:00

Building: TEL, Ernst-Reuter-Platz 7

Room (if known): tbd

Project language: English

Project description:

The goal of this project is to create a labeled database of the most common Crowdsourcing noise environments to train a machine learning classifier. Such classifier is to be use as one of the quality control mechanisms within a framework for conducting speech quality studies in crowdsourcing platforms.

Project requirements (desired student skills):

- Skills in machine learning.
- Neural Networks
- Python, NodeJS, JavaScript, Matlab, R, HTML coding skills
- Statistics
- TensorFlow