Interview score prediction and analysis using audio features and NLP

**REFERENCE:** <https://www.researchgate.net/publication/275152962_Automated_Prediction_and_Analysis_of_Job_Interview_Performance_The_Role_of_What_You_Say_and_How_You_Say_It>

**Presentation Title:** Interview score prediction using audio features and NLP

**Focus:** NLP and Machine learning and deep learning to build a model

**School:** NATIONAL INSTITUTE OF TECHNOLOGY CALICUT

**Abstract:**

The traditional interview is a test of personality traits for many hiring managers. However, there are a number of limitations to traditional methods of interviewing. In addition to taking up time, it can be difficult for some candidates or interviewers to get a read on the candidate because there's no way to know what their voice sounds like under stress or how to accurately score candidates on the basis of the way they answer the questions. Prosodic features can help to get insights on emotions, confidence, anxiety etc which can help interviewers to judge the candidate. Also, by extracting the transcript from available audio and applying NLP and other machine learning models we can score the answers given by interviewees.

Thus, our project uses machine learning in order to facilitate faster assessment of candidates by using prosodic features and NLP, ultimately improving the interviewer’s ability to make hiring decisions based on more reliable data that is less susceptible to human biases.

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