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# interVeu

# Speak like a Pro

A bespoke tool that measures **personalised speaking performance**,  
delivered through an online course

Evan Kapros, Maria Koutsombogera, **Enduræ OÜ**

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# How to communicate better in the workplace?



# The problem

- Current communication skills training:
  - Lack of **online/remote** & **personalised**
  - **Time** & **cost**-consuming
  - Generic advice—not tailored to **workplace** skills
- Existing AI talent management solutions: not meant for **learning**; disregard **bias**

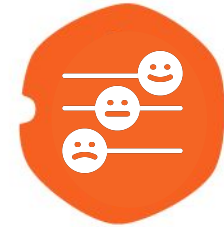




**AI-based** engine for training and development of communication skills



Automatically measures **voice attributes & personality traits** from voice



Gives you **personalised feedback** & opportunity to practice

# Use Cases

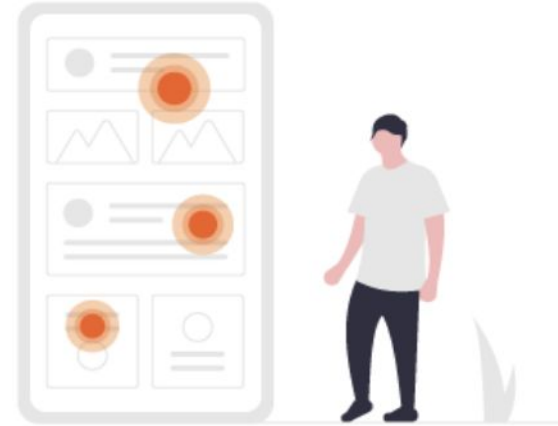
- Delivering presentations
- Public speaking
- ‘Hireability’ impressions (job interviews)
- Job meetings
- Sales & negotiations
- Language Skills (i.e. confidence)

# How interVeU works



1

record your voice



3

receive tips on speaking clearer and with confidence

2

interVeU AI analyses the recording



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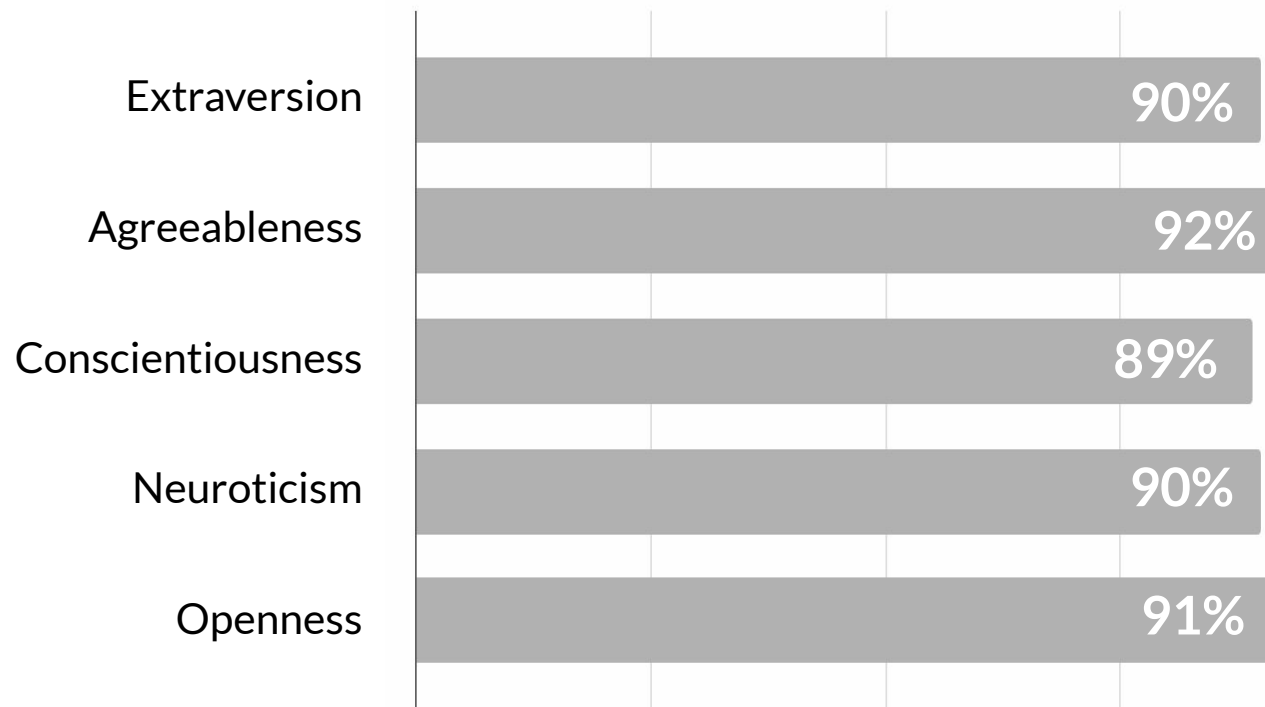
# Features and Piloting

# Science

- Personality computing from speech
  - voice: strong predictor of personality
  - Big 5 traits: Openness, Conscientiousness, Extroversion, Agreeableness, Neuroticism
  - Supervised ML computation methods
- Speech signal processing
  - voice attributes (speed, pauses, volume, voice stability, pitch)
- Trained on datasets labeled with personality trait variables
- Pedagogical approach: Understanding by Design
  
- **VeU, (noun, f.) /'vew/: voice, point of view/opinion (Catalan)**



# Very high accuracy in predicting personality traits



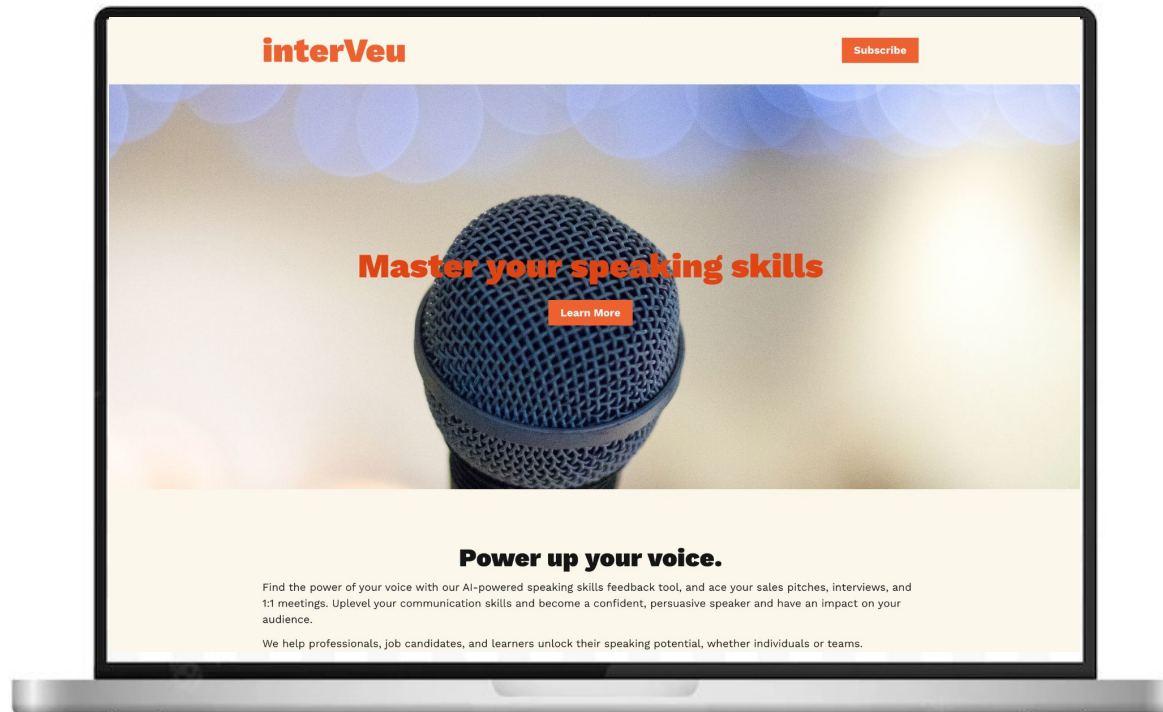
**90%**  
accuracy on average

# Ethics: built-in anti-bias measures

- Privacy-by-design GDPR compliant approach
- Balanced training data (gender, age, ethnicity)
- No storing of private information
- No storing of audio files
- No facial recognition



# Online course: Master your speaking skills



- Learn about speaking skills (pace, pauses, volume, etc.)
- Exercise breathing, relaxation etc.
- Watch example videos
- Practice with interVeU tool
- Get feedback and improve
- Modular pedagogy (Understanding by Design)

https://endurac.coassemble.com/student/course/85503#/unit/264 90%

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**Pace** 62%

- Introduction to Pace
- What is pace?
- Why is pace important?
- Examples of pace styles
- Check your understanding
- Exercises to improve your pace**
- Practice time!
- What's next...

**Pitch** 0%

**Pauses** 0%

Volume

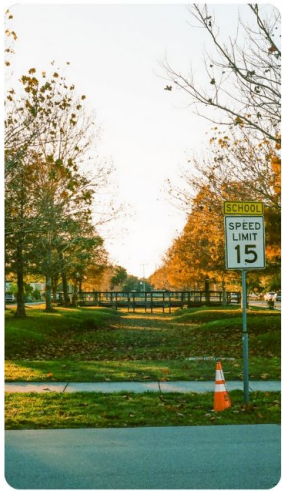
## Exercises to improve your pace

**Step 1**  
**Exercise moderation**

Good pace technique is best achieved by setting your voice at a moderate speed.

Most people who speak very quickly know they speak quickly, and if that applies to you, just be sure to practice slowing down and writing yourself delivery cues in your notes to maintain a more comfortable rate.

You might also consider varying the rate depending on the type of information being communicated. While you'll want to be careful going too slow consistently, slowing your rate for a difficult piece of supporting material may be helpful. Similarly, quickening your rate in certain segments can communicate an urgency.



6 of 8

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**interVeu** Master your Speaking Skills - Practice

Welcome, endurac!  
Get ready to practice the **pace** skill of your voice!


**Guidelines**

- When you are ready, hit the **Start Your Response** button and start speaking.
- You are requested to speak for at least 2 minutes for the purpose of collecting enough speech data from you.
- What should you talk about? This is up to you, but here are some prompts to help you go for it, in case you are out of ideas:
  - Say a few things about yourself.
  - Talk about a work—or school—project you're currently involved in.
  - Talk about what you enjoy doing the most during your free time.
  - If you were invited to give an impromptu speech, what topic would you choose and why?
  - What is one of your most impactful professional or personal achievements?
  - Give a detailed description of an object near you, like your coffee mug.
  - We don't like interview questions such as "why did you apply for this job?" (ehm, because you are "hiring"). But if this type of question gets you going, go for it!
- When done speaking, hit the **End Your Response** button.
- Continue to view your results by pressing the **View Results** button.

**Tip:** Make sure your mic and camera are turned on!

*Disclaimer: Your video will not be processed, but it's advisable that you keep the camera on so that you will get used to watching yourself while speaking. You have the option to turn your camera off by ticking the box **Hide Video**, if you wish.*

**Your Response**



Start your Response End your Response

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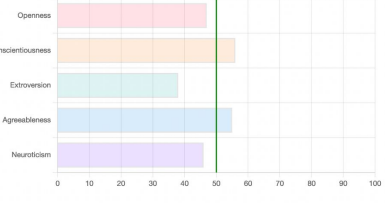
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**interVeu** Master your Speaking Skills - Practice

**Hi, mentor\_Hero**

Below are the results of your attempt\_6 of you practising the **perceived image** skill.

**skill: perceived image**



Trait	Score
Openness	45
Conscientiousness	55
Extroversion	40
Agreeableness	50
Neuroticism	45

**Actionable Insights**

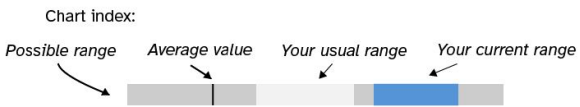
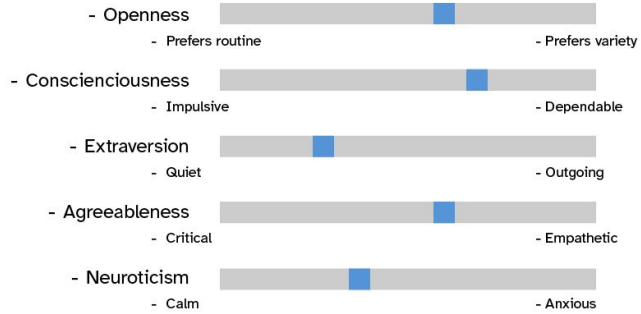
© **Good job!** Below are the scores related to your personality traits, which show how you are likely to be perceived from the way you are speaking.

- Your score on **Openness** suggests that you are likely to be perceived -from your voice- as someone practical and conservative, who prefers routine.
- Your score on **Conscientiousness** suggests that you are likely to be perceived -from your voice- as impulsive, disorganised, absent-minded, and ambitious.
- Your score on **Extroversion** suggests that you are likely to be perceived -from your voice- as someone who tends to be quiet, reserved and withdrawn.
- Your score on **Agreeableness** suggests that you are likely to be perceived -from your voice- as critical, uncooperative, and suspicious.
- Your score on **Neuroticism** suggests that you are likely to be perceived -from your voice- as calm and contented, even-tempered and secure.

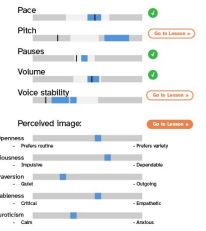
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© Great job so far! Let's carry on with the course. You can now close this tab.

LMS with speaking practice tool





Your performance



Low extraversion

Low extraversion can appear for *quiet, thoughtful, or reserved* individuals. Oftentimes, low extraversion is related to **energy management**—speakers who run out of energy when they speak can be perceived as introverts.

Some speakers conserve energy by managing their Pauses. By pausing for a bit between sentences, a speaker can spend more energy when they do speak. **You appear to be doing this well.**

**Pitch**  
Your pitch seems to be low, which may sound monotonous to some people, and may be contributing to a perceived image of low extraversion. **If you want to increase your perceived extraversion, you may want some help with that.**

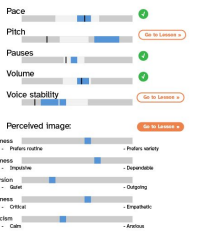
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**Voice stability**  
Your voice stability seems to be low, which means it is trembling. This may sound insecure to some people, and may be contributing to a perceived image of low extraversion. **If you want to increase your perceived extraversion, you may want some help with that.**

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Your performance



Pitch

[Examples »](#) [Exercises »](#) [Tips »](#)

Here you can see videos of good and not-so-good pitch control, based on the amount of modulation. Some may be exaggerated, to make the point easier to show.

Too much pitch variability:



Good:



Designing new and improved version

# Methodology

- Piloted in Higher Education career services in Europe
- Deployed in Vocational Education & Training
- EU-Funded projects: IMPACT EdTech, PREDICT Erasmus+
- 95% satisfied HE learners in 4 countries ( $n \geq 120$ )
- 100% completion rate (of the learners who started the course)

# Traction

- Shortlisted for awards:
  - ReImagine Education Awards – AI in Education
  - Global Edtech Startup Awards – Nordic & Baltic Semifinals
- IMPACT EdTech Accelerator score 98%
  - MVP ranked 1st out of 16
- Interest primarily from Career Services in HigherEd, Language Learning organisations

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# Thank you

interVeU webpage: <https://interveu.app/>

Endurae OÜ - [www.endurae.com](http://www.endurae.com) - [info@endurae.com](mailto:info@endurae.com)

World Trade Center, Ahtri 12, Tallinn 10151, Estonia

C/ d'Aragó 157, 4t 1a, Barcelona 08011, Catalonia, Spain

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