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BABEŞ-BOLYAI TUDOMÁNYEGYETEM
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TRADITIO ET EXCELLENTIA

Automatic self-assessment tool

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Roadmapping

- Introduction
- Business
- Emotion recognition from audio input
- Emotion recognition from video input
- Emotion recognition from physiological data
- Models alignment
- Demo time!
- Conclusions and future work
- Q&A





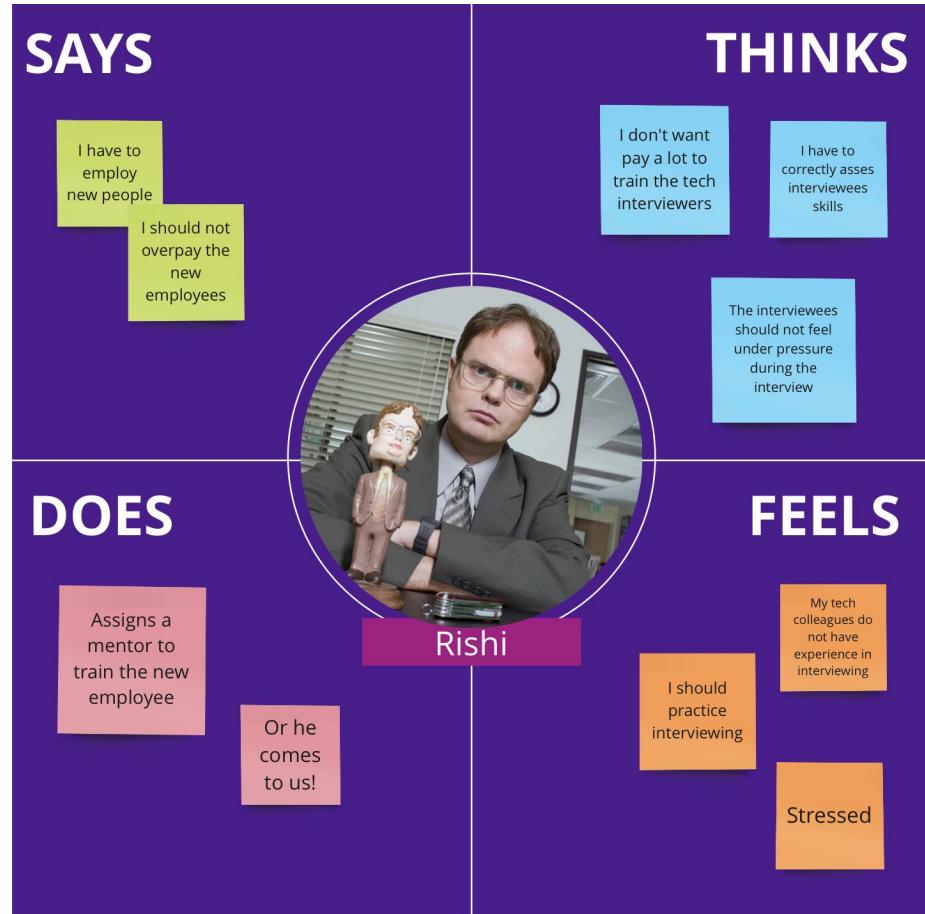
MINDMETICS
SOLUTIONS

Our business

- Target customer profile
- Value proposition
- Business metrics
- Marketing
- Finances
- Competition

Target customer profile

- Targeted clients
 - HR departments
 - Tech interviewers
 - Sales departments
 - Diplomats
 - Our partners at NATO
- Detailed case about HR departments



Value proposition

- Provides objective feedback for a user's conversation
- Practical training for communication skills
 - Diplomacy training
 - Interviewing training
 - Sales skills improvement
 - Edge situations training

Business metrics

- User acquisition efficacy
- User retention
- Word of mouth efficacy

How do we plan to market the product

- Direct contact with our clients
- Word of mouth
- Results so far

Finances

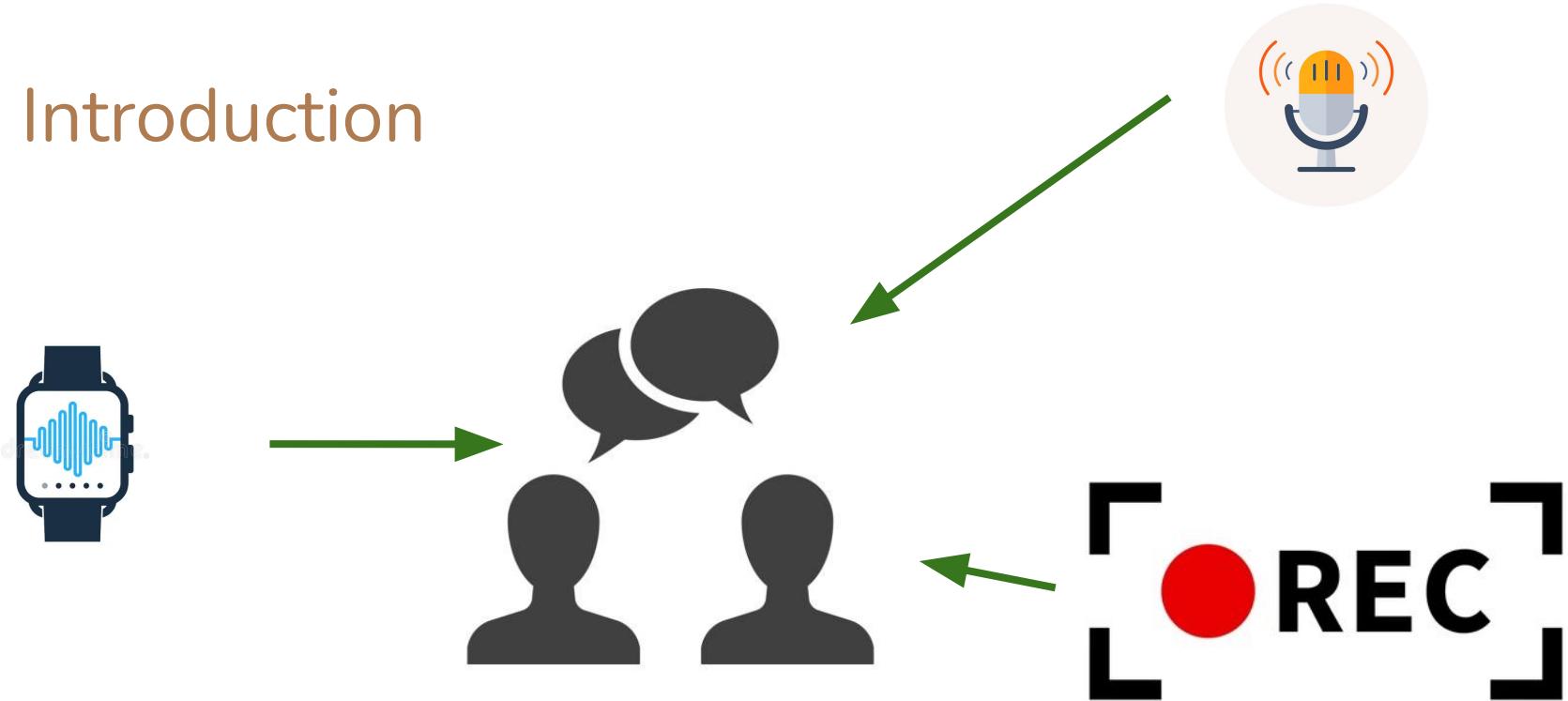
- SaaS model with tiers
- Cost for user (company)
 - from 10€ / month
 - up to 70€ / month
- Market size
 - in IT: 1500 medium/large companies
 - overall: roughly 10000 clients
- Average income per client 20€ / month
- Clients target for end of year
 - 100



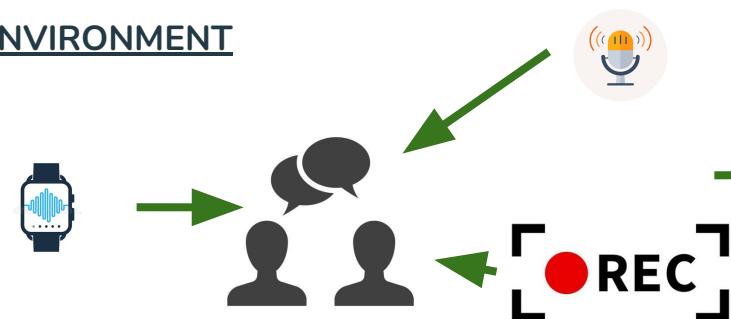
Competition

- Indirect competitors
- Competitive advantages
 - Our focus
 - Product quality
 - Cost efficiency
 - First on the market

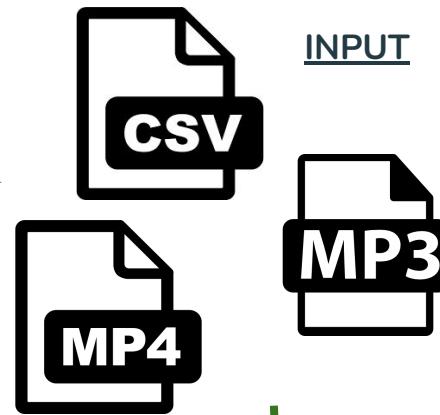
Introduction



ENVIRONMENT



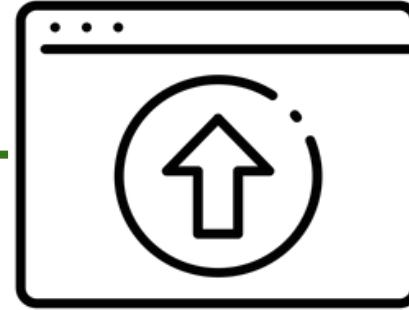
INPUT

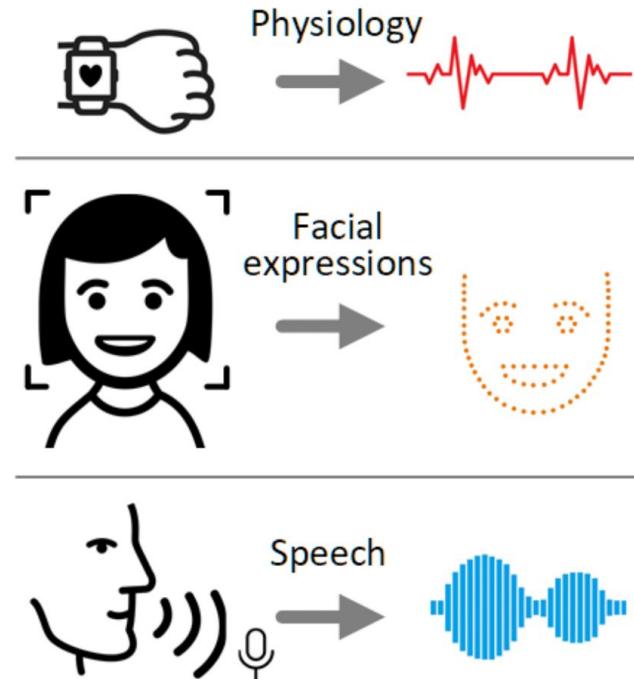
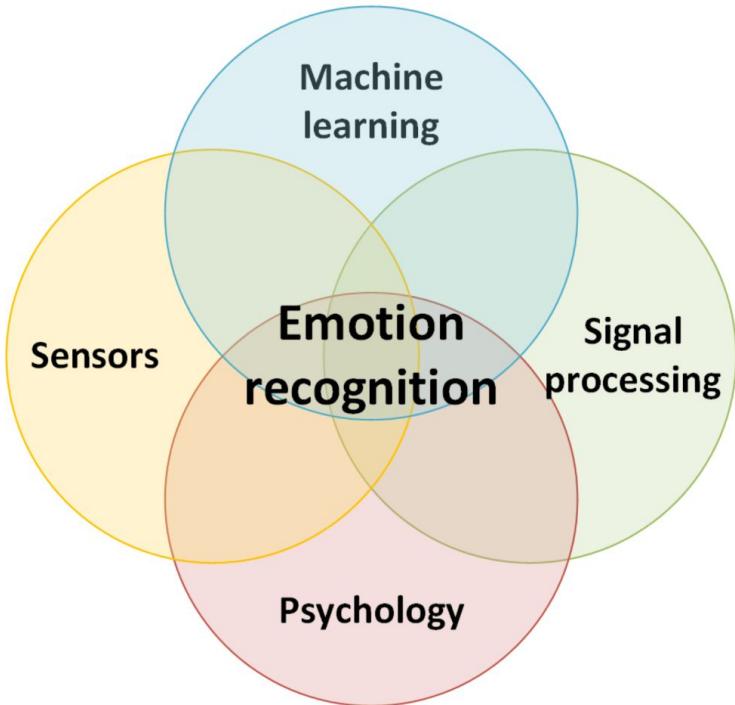


ANALYSE

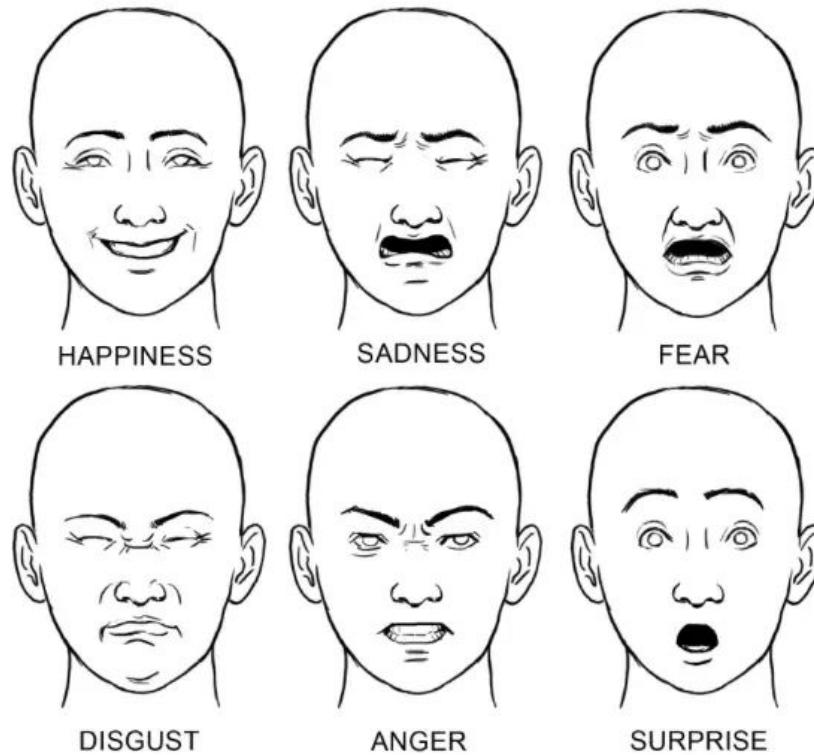


UPLOAD

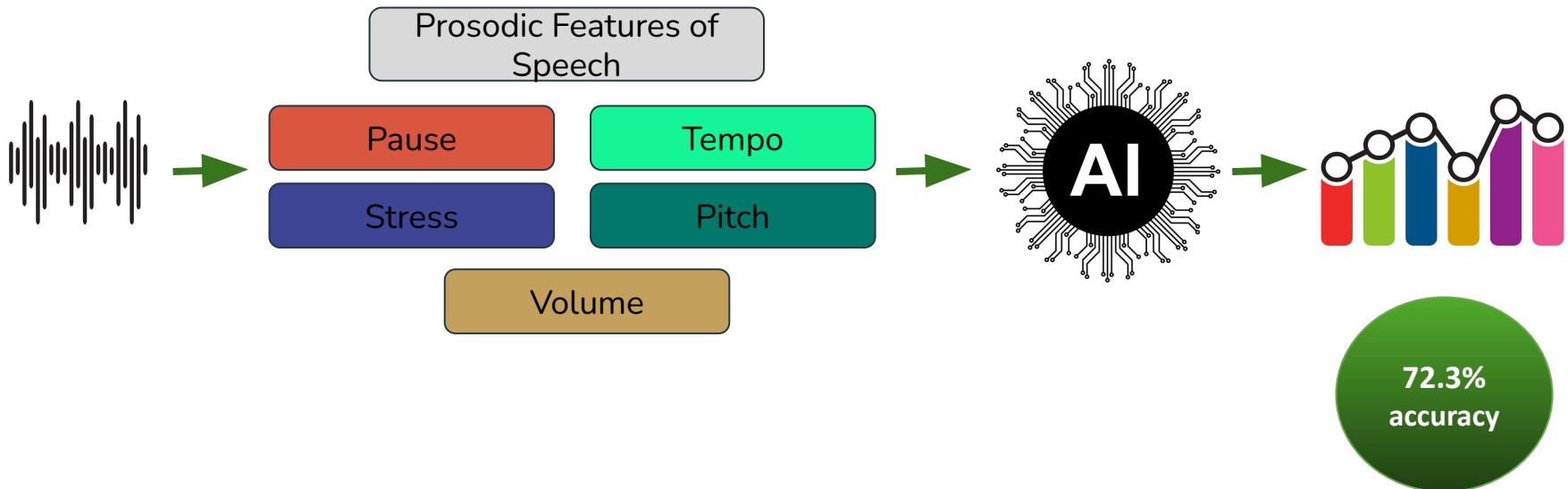




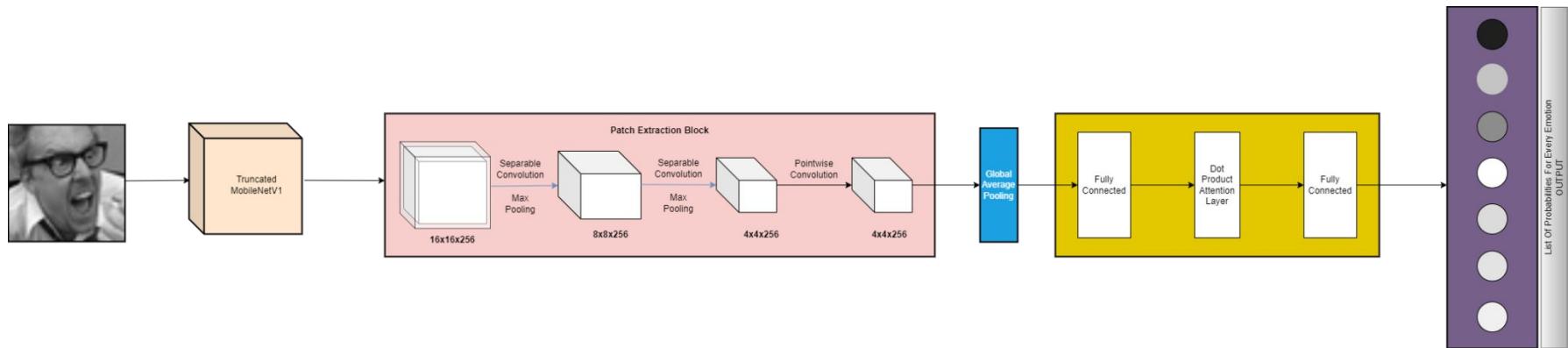
DR. PAUL EKMAN'S 6 BASIC EMOTIONS

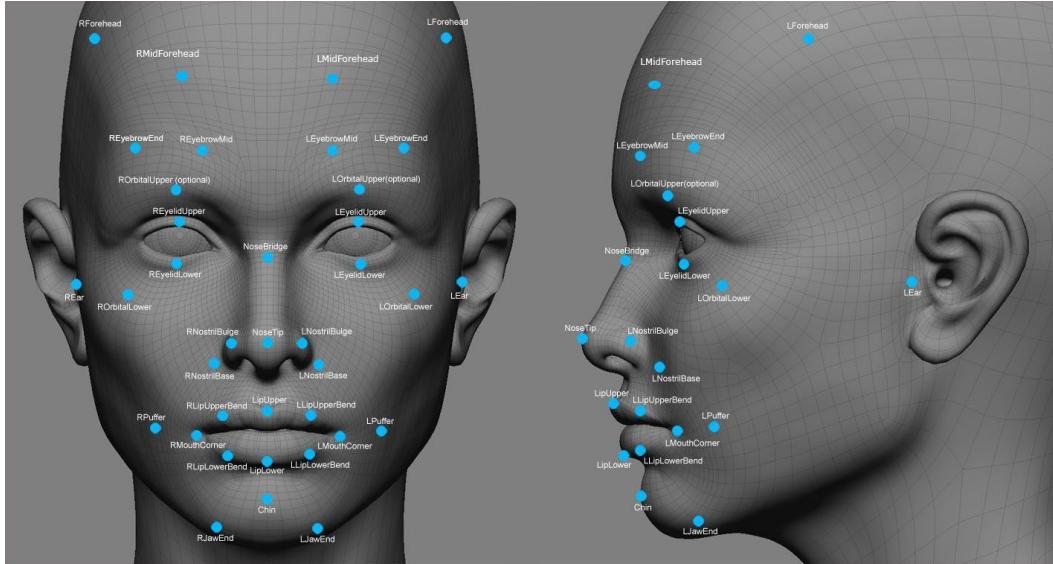


Emotion recognition from audio input



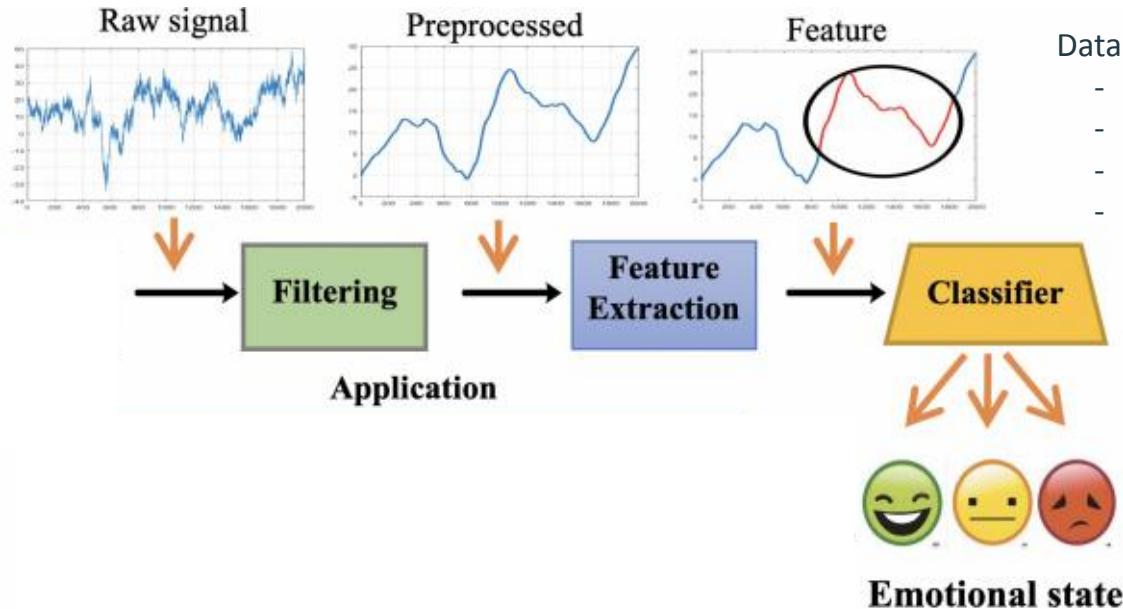
Emotion recognition from video input





80.1%
accuracy

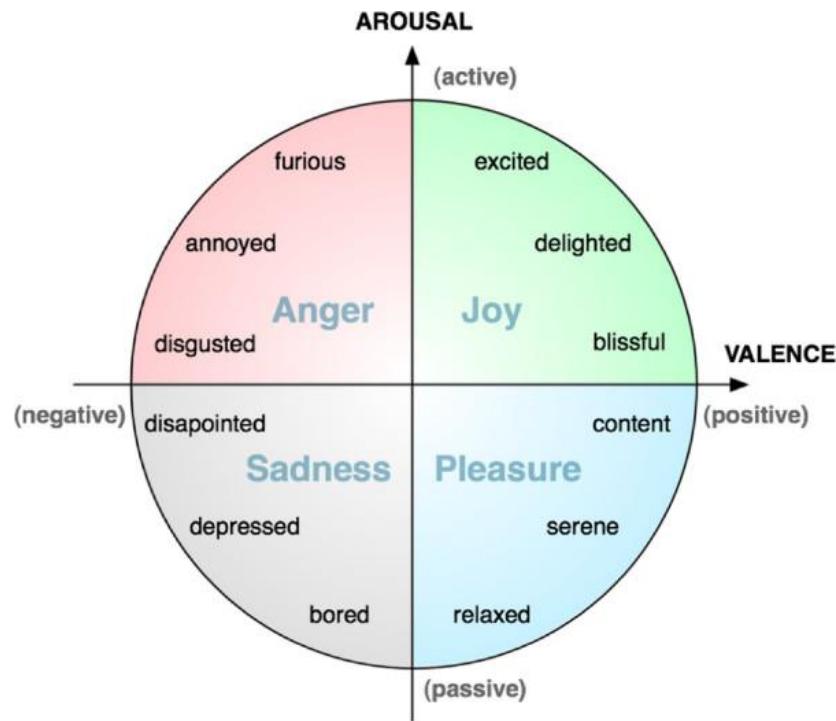
Emotion recognition from physiological data



Data that our model is using:

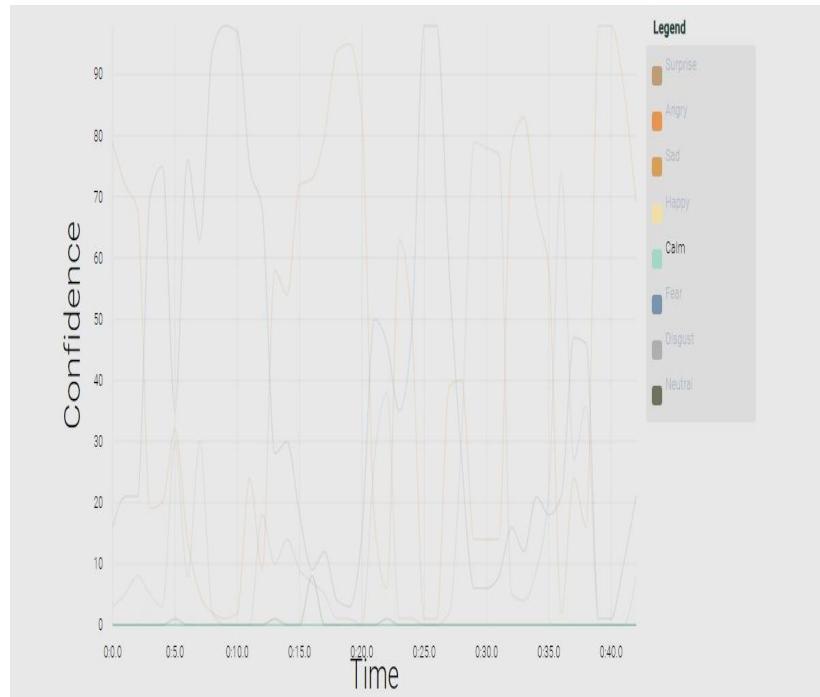
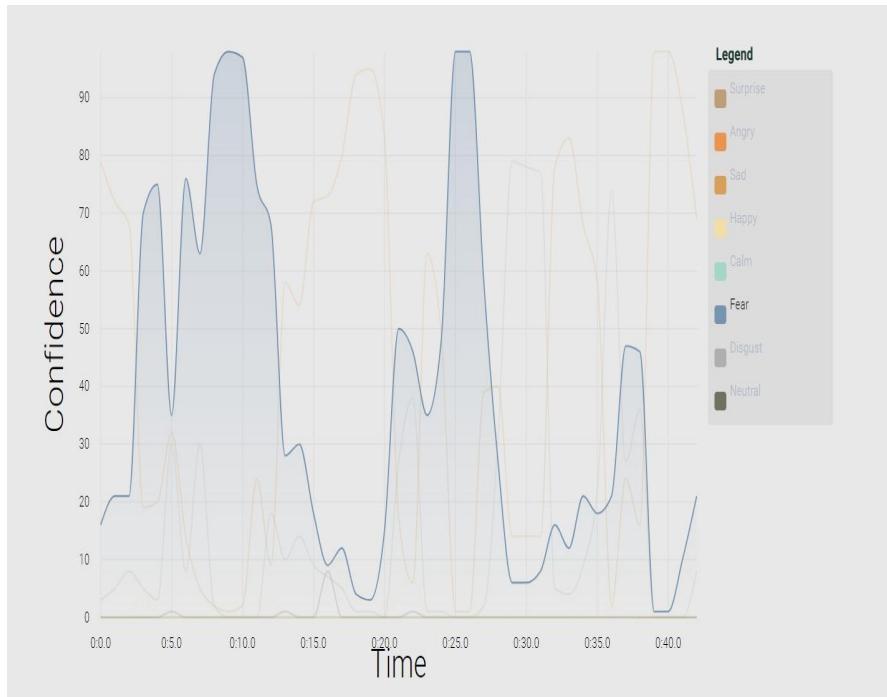
- temperature,
- electrodermal activity (EDA)
- Electrocardiography (ECG)
- Blood Volume Pulse (BVP)

Emotion recognition from physiological data

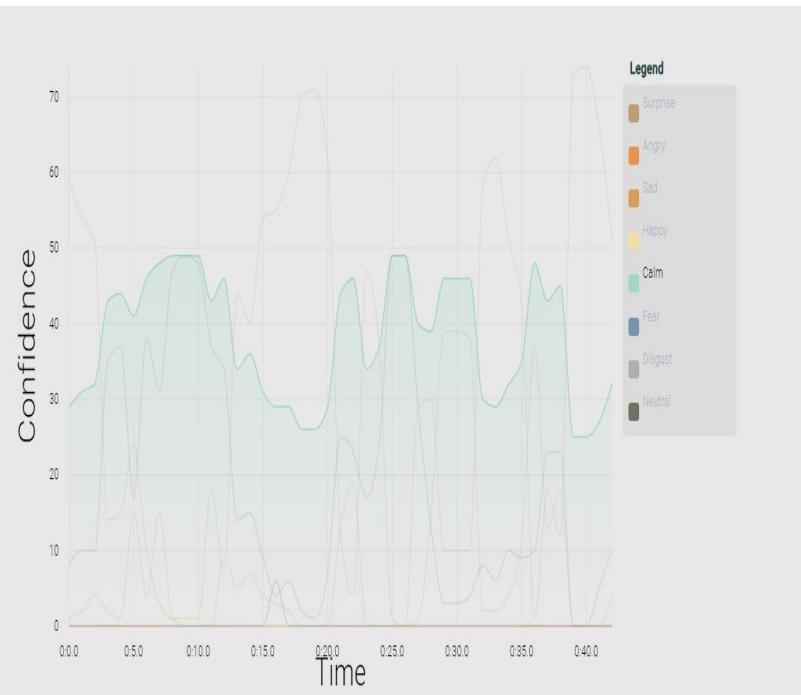
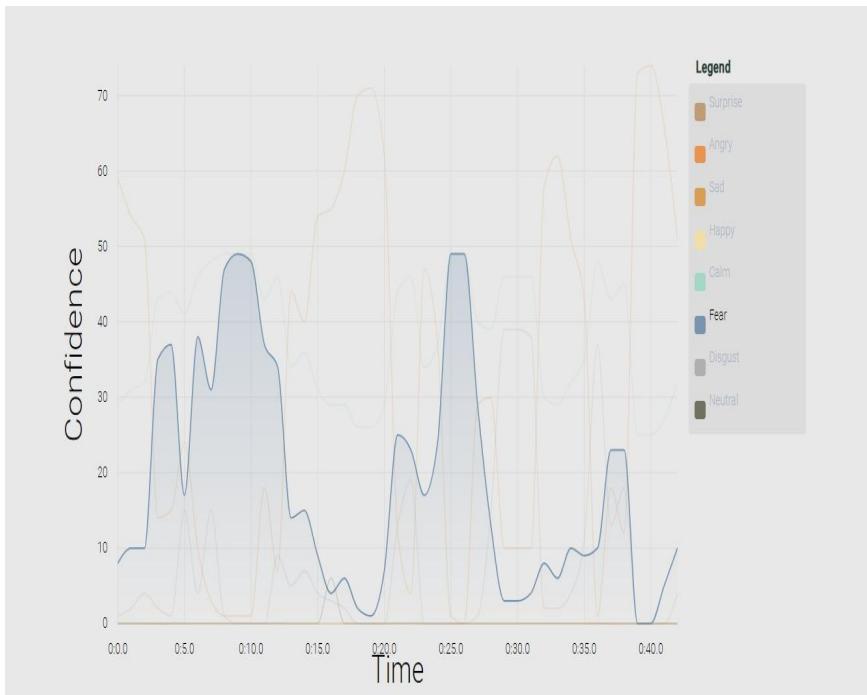


91.0%
accuracy

Models alignment:



Models alignment:



A photograph of a two-story house engulfed in flames. In the foreground, a young girl with brown hair and bangs is smiling at the camera. Firefighters are visible in the background, one holding a hose. A fire truck with the number "38" is partially visible behind the burning building.

DEMO TIME!

**...WHAT COULD POSSIBLY GO
WRONG**

makeameme.org

Conclusions and future work

There is an opportunity in exploring what these 3 models can achieve.

- Display and correlate user input (video) with the result
- Improve current models
- Datasets with synchronized data
- Improve alignment
- Real time data

Questions?

**NOT SURE IF THEY'RE CLAPPING FOR MY
PRESENTATION**



OR BECAUSE ITS FINISHED