Multimodal Sentiment Analysis Schema
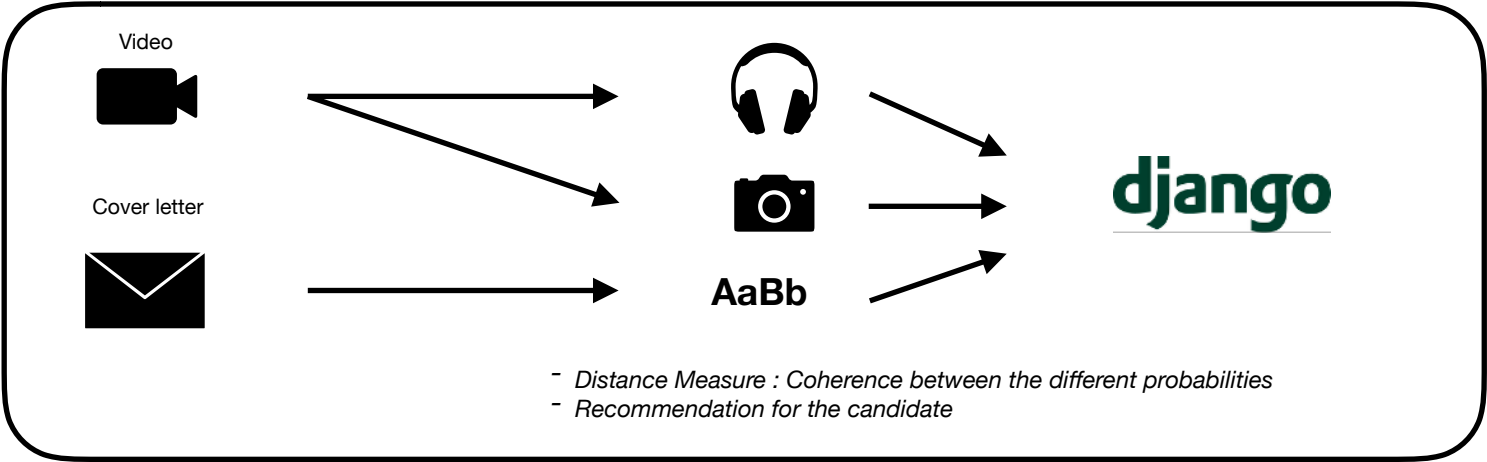
Datas

Features

RAVDESS Database

24 actors, 7 emotions, 2 intensities, with sound and HD image

MP4

WAV

Facial Analysis							Audio							Text Analysis				
Happy	Sad	Fear	Anger	Surprise	Disgust	Neutral	Happy	Sad	Feat	Anger	Surprise	Disgust	Neutral	Extrav	Open.	Nevro.	Cons.	Agrea

Algorithms

Facial Analysis		Audio		Text Analysis	
CNN + Dense Net • Self Trained • Per image, aggregated • Normalized for length of video • **Source : RAVDESS database**	*Biometric Landmarks* • SVM Classifier • GDPR Ready • **Source : RAVDESS database**	*SVM, KNN, Signal processing* • Self Trained • **pyAudioAnalysis** library • **Source : RAVDESS database**	*CNN* • Self Trained • **pyAudioAnalysis** library • **Source : RAVDESS database**	*RNN* • Self-trained • **Source: Essays database**	*NLTK* • Self-trained • **Source: Essays database**

Video

Cover letter

AaBb

django

- *Distance Measure : Coherence between the different probabilities*
- *Recommendation for the candidate*

Link to DataBase : https://zenodo.org/record/1188976/?f=3#.XAzh-xNKjOS