AUTOMATIC TRANSCRIPTION TOOLS - OVERVIEW

LinA-Lab

	aTrain	Voice AI	NoScribe
Overview	- free, can be used offline - audio data does not have to be uploaded to internet - tool can be used without registration - transcription in 57 languages possible	- free - tool can be used online - transcription in 57 languages possible	- free, can be used offline - audio data does not have to be uploaded to the internet - tool can be used without registration - transcription in 99 languages possible
Download	- download via Microsoft store or website of Uni Graz Mac: https://business-analytics.uni-graz.at/de/forschung/atrain/download/ Microsoft: https://apps.microsoft.com/detail/atrain/9N15Q44SZNS2	- reachable via Academic Cloud Academic Cloud: https://academiccloud.de/services/ Voice AI: https://voice-ai.academiccloud.de	- Download via website (Links for Mac and Windows) https://github.com/kaixxx/noScribe
Handling	- easy to use, well-arranged desktop - clean desktop - upload data > processing > result	- easy to use, well-arranged desktop - clean desktop - upload data > choose text format > processing > result	- easy to use, well-arranged desktop - upload data > processing > result
Transcription speed	- around three times of interview length (if used on up-to-date-device)	- faster transcription if speakers are easier to understand - average: 25 words/minute	- around two to five times of interview length (depending on the device the tool is used on)

		(just to clear it up, there were totally different lengths with different videos, I built an average – one example had 32 words/minute another: 19 words/minute)	
Detail of transcription	- problems with speaker identification - problems in recognition what is said - transcription with timestamps possible - no recognition of language switches - pauses are not dealt with - timestamps can be integrated in MAXQDA - difficulties concerning overlapping speech > nearly no transcription if audio contains overlapping speech > does not show whether two people speak at the same time	- detailed, most reliable transcription - recognizes word duplications - no recognition of changes in language - sometimes (but not always) mistakes endings (e.g: "you" instead of "you're") - pauses can be calculated by looking at timestamps - transcriptions are available in different formats (normal text, SRT, VTT) - transcription with timestamps possible - can deal with overlapping speech > shows two people speaking at the same time	- problems with speaker identification - reliable transcription - transcription with time-stamps possible - no recognition of language changes - pauses can be considered - recognizes overlapping speech (extra tool to observe possible overlapping speech)
Speaker recognition	- speaker recogniton available - automatic or manual speaker recognition	- no speaker identification	- speaker recognition available - automatic or manual speaker recognition
Review	**(+)** easy to handle **(+)** fast transcription **(-)** no precise transcription > giving a simple idea of what is said **(-)** problems with speaker recognition	**(+)** most reliable transcription **(+)** option to translate transcriptions into English language **(+)** access to previous transcriptions in the program	**(+)** easy to handle **(+)** fast and reliable transcription **(+)** menu items to specify individually what you are looking for in the transcription

	> good to get a simple overview	**(-)** *biggest disadvantage*: transcription speed and no speaker recognition **(-)** big data is difficult to upload (takes long or software crashes) **(-)** slowest tool	**(-)** mistakes in transcription

→ No matter which AI-tool, it can only be used as a support not as reliable source for transcription - own work is needed!

→ The better the audio quality and figure of speech, the better the transcription.

SHORT OVERVIEW

	ATrain	Voice-AI	NoScribe
Speaker recognition	Yes, but unreliable (Automatic or manual)	No	Yes, but unreliable (Automatic or manual)
Timestamps	Yes Can be integrated in MAXQDA	Yes	Yes Can be integrated in MAXQDA
Recognition of language switches	No	No	No
Word duplications	No	Yes	No
Range of transcription formats		Normal text, SRT, VTT	
Pause transcription	No	No	Yes (Use of „..“)
Overlapping speech	No	Yes	Yes Additional tool to observe
Access to previous transcriptions in programm	-	Yes	-
Options to translate into english	No	Yes	No