## Table of contents

	٠		
		•	
arguments			
automatic speech recognition $\ldots \ldots \ldots \ldots \ldots \ldots \ldots$			
$architecture \ \ldots \ldots \ldots \ldots \ldots \ldots \ldots \ldots \ldots$			
attention mask			
$argumentation  \dots $			
autoencoding model $\hdots$			
autoregressive model			
${\it backward}  \dots $			
causal language model $\hdots$			
${\rm checkpoint} \ \ldots \ $			
${\rm chunk}  \dots $			
clustering			
convolution			
$\operatorname{crob} \ \ldots \ldots \ldots \ldots \ldots \ldots \ldots \ldots$			
$\operatorname{custom} \ldots \ldots$			
connectionist temporal classification, CTC			
data collator			
${\rm dataset} \ldots \ldots \ldots \ldots \ldots \ldots \ldots \ldots \ldots \ldots$			
$\operatorname{directory} \dots \dots$			
$\operatorname{directory} \dots \dots$			
distributed training			
$\operatorname{down\ stream}  \dots $			
entity			
	arguments automatic speech recognition architecture attention mask argumentation autoencoding model autoregressive model backward causal language model checkpoint chunk clustering convolution crob custom connectionist temporal classification, CTC data collator dataset directory directory distributed training down stream	arguments automatic speech recognition architecture attention mask argumentation autoencoding model autoregressive model  backward  causal language model checkpoint chunk clustering convolution crob custom connectionist temporal classification, CTC  data collator dataset directory directory distributed training down stream	autoencoding model autoregressive model backward causal language model checkpoint chunk clustering convolution

evalı	ation meth	$\operatorname{rod}$	 	 	 		 	 			 . 9
$F \dots$			 	 	 		 	 			 9
featı	ıre extracti	on	 	 	 	 	 	 			 . 9
featı	re matrix .		 	 	 	 	 	 		 	 9
fine-	tunning		 	 	 	 	 	 		 	 9
Н			 	 	 	 	 	 		 	 9
hidd	en state		 	 	 	 	 	 		 	 9
$hyp\epsilon$	rparameter	·	 	 	 	 	 	 		 	 9
L	·		 	 	 	 	 	 		 	 10
learr	ing		 	 	 	 	 	 		 	 10
load			 	 	 		 	 		 	 10
М			 	 	 		 	 		 	 10
meth	nod		 	 	 		 	 		 	 10
Ο			 	 	 		 	 		 	 10
	nizer										
Р			 	 	 		 	 		 	 10
pad			 	 	 		 	 		 	 10
	meter										
-											
	ch enhancei										
•	trogram										
_	rator										
sequ	ence		 	 	 		 	 		 	 . 11
silen	t error		 	 	 		 	 		 	 . 11
$T \dots$			 	 	 		 	 		 	 . 11
_	n										
toke	nizer		 	 	 		 	 		 	 . 11
train	$   ing \dots $		 	 	 		 	 		 	 . 11
V			 	 	 	 	 	 		 	 12
voco	der		 	 	 		 	 			 12
Quarto											13
											15
Pull Request											16
•											
											17
											18
			 	 	 	 •	 	 	 •		 18 18

. Pull Request

 ${\bf HuggingFace}\ {\bf Transformers}$ 

Link »

HuggingFace Audio Course

Link »

# Part I

С
causal language model
checkpoint
chunk
clustering
Clustering
convolution
crob
custom

В

backward

# Connectionist temporal classification, CTC D data collator dataset

directory

directory

distributed training

down stream

Ε

entity

epoch
evaluation method
F
feature extraction
feature matrix
fine-tunning
Н
hidden state
hyperparameter

learning	
load	
M	
method	
0	
optimizer	
_	
P	
pad	
parameter	

L

seperator			
sequence			
silent error			
т			
token			
tokenizer			
training			

S

speech enhancement

spectrogram

### 

vocoder

### Quarto

Quarto Pseudo-Lab Fork . htmlqmdmarkdown . markdown Visual Code . Visual Code extention Figure 1 quarto quarto GUI EXTENSIONS: MARKETPLACE 7 ひ ☴ … quarto 3 490ms Extension for the Quarto scientific and technical pu...

Figure 1: Quarto Extention

Visual Code Edit in Visual Mode . markdown wysiwyg¹ Figure 2 .

GUI quarto preview .

cd glossary quarto preview

render

cd glossary quarto preview

 $<sup>^{1}</sup>$ wysiwyg(What You See is What You Get) GUI .



Figure 2: VS Code Visual Mode

.

# **Pull Request**

.

### HuggingFace

Pseudo Lab. HuggingFace	
Pseudo Lab. HuggingFace	
Pseudo Lab. HuggingFace	
Pseudo Lab. HuggingFace	Github
Pseudo Lab. HuggingFace	
Pseudo Lab. HuggingFace	$\operatorname{Github}$
Pseudo Lab. HuggingFace	