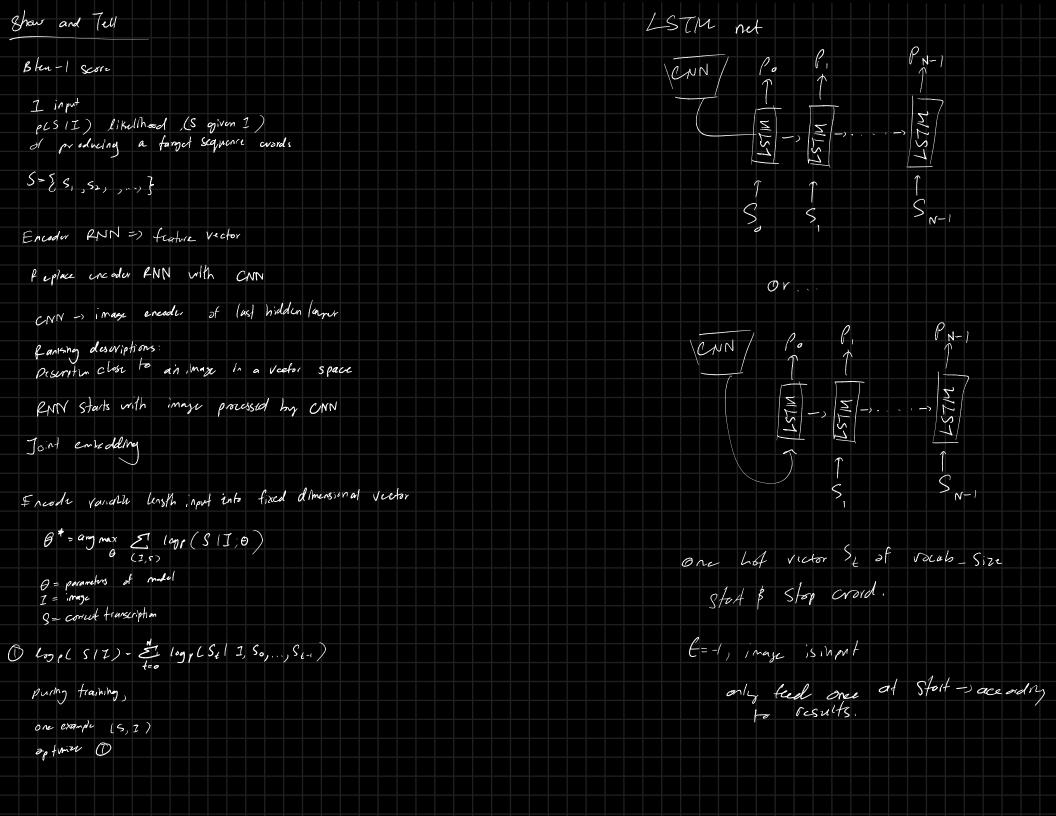
Research papers

Bung pus



Loss: $L(I,s) = -\frac{\mathcal{E}}{\xi_{t-1}} \log p_{t}(S_{t})$ Correct word at each time step wit all parameters Sampling from model until and token BLEU Score Use a pre-trained model on Image Net

[Dropped For over fitting prevention 612 dimension embedding (pobably hidden layer)

Complete Viet ILSTRE zero Datesel Obtain video de una seguring Clossify each from to a lether Perconstructing and displaying the and littly and Jam Closefication Scares Consideration (color live) Sign Boundary Detection Consideration (color live) Sign Boundary What here cities to Use ? Hand Confirm Jone Companie Longe processing pure from Loss = 1 2 - los (2 in 1) Sign processing pure from Loss = 1 2 - los (2 in 1) Exist Softence: one from pur second Los the use one one for second	Real Time American Sign Language Recognition with Convolutional Neural Networks	
ZLSVRE 2012 Dataset Obtain vides at some staning Closeity each from to a letter Reconstructing and displaying the most littly and Jan closeitietian Scores Considerative. Entranse (Closeity of Scores) Styn Bornality Dataset or Co-adiculation Co-adiculation What houristies to use? Heard creffing Joint datasticn? Conditudes of joints physical component Image processing pur from Loss- N Z - log (List Loss- N Z - log (Lis		
ZLSVRE 2012 Dataset Obtain vides at some staning Closeity each from to a letter Reconstructing and displaying the most littly and Jan closeitietian Scores Considerative. Entranse (Closeity of Scores) Styn Bornality Dataset or Co-adiculation Co-adiculation What houristies to use? Heard creffing Joint datasticn? Conditudes of joints physical component Image processing pur from Loss- N Z - log (List Loss- N Z - log (Lis	(rand), Net	
Obtain vide of use Signing Closeity each from to a letter Fecunstructing and displaying the mod lively could Jean closeitiethen Secres Consideration: Evolutional College of Course and Consideration of College of Course and College of Course and College of Course and College of Course of Cour		
Classify each team to a letter Peconstructing and displaying the mod litely could Jean classification is scores Consideration: Environment (lighting & convera) acclusion (and of view) Sign Brandally Detection Co-articulation What hower also to use? Hand Cropping Joint detection! Conditates of jaints playsical component Image processing per frame Cost in Environment Cost in Environment Linear processing per frame Cost in Environment Cost in Environment Cost in Environment Cost in Environment Softences: one frame per second	ILSVRe 2012 Dataset	
Reconstructing and displaying the most littly could Join Chart ication Scores Consideration: Entironment (lighting 3 comera) scolusion (all of Senic) Sign Recondered Detection Co-articulation What howersties to use? Hard croffing Joint detection? Conditates of joints playsical component I mage processing pur frome Cost I Note of the conditates	Obtain video at usur Signing	
Jan Oberstiedtan Scores Consideration: Entinament (Implient of Comment) seclusion (out of them) Sign Brandally Defection Co-attitulation What humisties to Use? Hand cropping Joint Makelian! Component Image processing pur from Look - N = - log (Ein) Total - log (Ein) Total - log (Ein) Settle neer: on from pur scond	Classity each frame to a letter	
Jan Oberstiedtan Scores Consideration: Entinament (Implient of Comment) seclusion (out of them) Sign Brandally Defection Co-attitulation What humisties to Use? Hand cropping Joint Makelian! Component Image processing pur from Look - N = - log (Ein) Total - log (Ein) Total - log (Ein) Settle neer: on from pur scond	Reconstructing and displaying the most litely word	
Consideration: [Environment] (Isylving & comera) scalination (out of view) Sign Boundary Detection Co-articulation what here is its to use? Hand crossing Joint detection? coordinates of joints playsical component I muse processing per frame Loss- N = log (elini) The constant of the cons		
Consideration: [Environment] (Isylving & comera) scalination (out of view) Sign Boundary Detection Co-articulation what here is its to use? Hand crossing Joint detection? coordinates of joints playsical component I muse processing per frame Loss- N = log (elini) The constant of the cons	From clarkification Scores	
Entirenment (lighting & Comera) occlusion (out of Jun) Sign Brandary Detection Co-articulation What hereinties to use? Hand Cropping Joint detection! Coordinates of joints playsical component Image processing per frame Loss- I N = -log (1 = 1 = 1 = 1 = 1 = 1 = 1 = 1 = 1 = 1		
Sign Boundary Detection Co-attitulation What howersties to use? Hand Craffing Toint detection? Coordinates of joints physical component I must processing per frame	Con Siderations;	
Sign Boundary Detection Co-attitulation What howersties to use? Hand Craffing Toint detection? Coordinates of joints physical component I must processing per frame	Environment (lighting 3 comera)	
What howersties to use? Hard cropping Joint detection? Coordinates of joints physical component I maye processing per frame Loss = I = N - log (- log i) - log (- log i) - log i - log i	acelusion (out of view)	
what howersties to use? Hand cropping Joint detection? coordinates of joints physical component I maye processing per frame $ \cos - \frac{1}{N} \sum_{i=1}^{N} -\log \left(\frac{e^{\frac{i}{2}i\pi i}}{\sum_{i=1}^{N} e^{-\frac{i}{2}i\pi i}} \right) $ $ \int_{\infty}^{\infty} (x) = \frac{e^{2i\pi i}}{\sum_{i=1}^{N} e^{-\frac{i}{2}i\pi i}} $ Bottle neek: one frame per second	Sign Boundary Detection	
Hand Croffing Joint detection? Coordinates of joints playsical Component I may processing per frame Loss - N = -log (elisi)	Co-atticulation	
Joint detection? Coordinates of joints playsical component I muse processing per frame Loss= $\frac{1}{N} = \frac{N}{1 - \log \left(\frac{e^{\frac{1}{2}i\pi}}{E_{i}^{2} - e^{\frac{1}{2}i\pi}}\right)}$ $f(z) = \frac{e^{2i\pi}}{\sum_{i=1}^{N} e^{\frac{1}{2}i\pi}}$ Bottle neek: one frame per second	what hurristics to use?	
Joint detection? Coordinates of joints playsical component I muse processing per frame Loss= $\frac{1}{N} = \frac{N}{1 - \log \left(\frac{e^{\frac{1}{2}i\pi}}{E_{i}^{2} - e^{\frac{1}{2}i\pi}}\right)}$ $f(z) = \frac{e^{2i\pi}}{\sum_{i=1}^{N} e^{\frac{1}{2}i\pi}}$ Bottle neek: one frame per second	U 1 0 valeina	
physical component I maye processing per frame		
physical component I maye processing per frame	Toint detection? coordinates of joints	
I mayer processing per frame LOSG = $\frac{1}{N} \sum_{i=1}^{N} -\log \left(\frac{e^{\int_{i} y_{i}}}{\sum_{i=1}^{c} c^{\int_{i} y_{i}}} \right)$ $f(z) = \frac{c^{2i}}{\sum_{k=1}^{c} c^{2k}}$ Bottle neck: one frame per second		
I mayer processing per frame LOSG = $\frac{1}{N} \sum_{i=1}^{N} -\log \left(\frac{e^{\int_{i} y_{i}}}{\sum_{i=1}^{c} c^{\int_{i} y_{i}}} \right)$ $f(z) = \frac{c^{2i}}{\sum_{k=1}^{c} c^{2k}}$ Bottle neck: one frame per second	physical component	
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$		
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	I make processing per trame	
BOHLE neck: One frame pur second		
BOHLE neck: One frame pur second	1 25c - 1 57 - log (e 3 c 7 c)	
BOHLE neck: One frame pur second	V = V = V = V = V = V = V = V = V = V =	
BOHLE neck: One frame pur second		
BOHLE neck: One frame pur second	$+ (CZ) = \frac{C}{-1} = \frac{C}{2}$	
BOHLE neck: One frame pur second		
	BOHLE ALLY: ON France pur Second	
Let the user man only the next letter		
	Let the user man onto the next letter	

Surin university Finger Spelling	
Suring university Finger Spelling Marsey University	
Datasets	
Make horrontal flips of image	
prince porter in a series of the series of t	
confusion motrix:	
Time label	
prodicted label	
(Ore +trained model)	
Reinitialize classification layor (Pre-trained model)	
Can easily got confued it letters book the Same.	
Can can by you can be in a few or the same.	
Contrast addrest ment Back ground subtraction	
Back ground Sub truction	
$C_{\lambda \circ \lambda \downarrow \lambda}$	
use CNN Is locate the hand	