

# CNN examples

CNN, Vanilla-LSTM, trained with default (tanh) attention (test acc=.595, concity=.395)

P path : <SOS> ( @entity2 ) one @entity1 citizen was killed and another injured in what  
Attentions : 0.00 0.00 0.00 0.00 0.04 0.06 0.08 0.01 0.00 0.00 0.00 0.00 0.00 0.00  
police are calling a suspected terror attack wednesday night near @entity6 . @entity8  
0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.07  
spokesman @entity7 said a 37 - year - old @entity10 motorist from @entity11 struck two  
0.02 0.00 0.00 0.00 0.00 0.00 0.00 0.43 0.00 0.00 0.03 0.00 0.00 0.00  
people standing at a bus stop in the @entity15 section of the city . one victim ,  
0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00  
identified by police as @entity18 , 26 , died at the hospital . a 20 - year -  
0.00 0.00 0.00 0.00 0.20 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00  
old woman remains in serious condition , according to @entity7 . the driver has been  
0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00  
arrested and is under investigation by the @entity24 . " from the investigation and first  
0.00 0.00 0.00 0.00 0.00 0.00 0.02 0.00 0.00 0.00 0.00 0.00 0.00 0.00  
findings , there is a strong suspicion that we 're talking about a terror attack ,  
0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00  
" @entity7 said . amid the ongoing investigation , a magistrate court has issued a  
0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00  
gag order on details of the incident . <EOS>  
0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00

Q path : <SOS> the suspect is a 37 - year - old @placeholder from @entity11 , @entity1 police say <EOS>

Answer: @entity10 Predicted: @entity10

CNN, Ortho-LSTM, trained with default (tanh) attention (test acc=.536, concity=.099)

P path : <SOS> ( @entity2 ) one @entity1 citizen was killed and another injured in what  
Attentions : 0.00 0.00 0.19 0.00 0.00 0.00 0.00 0.01 0.00 0.02 0.00 0.00 0.02 0.00  
police are calling a suspected terror attack wednesday night near @entity6 . @entity8  
0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.01 0.00 0.00 0.03 0.00 0.00  
spokesman @entity7 said a 37 - year - old @entity10 motorist from @entity11 struck two  
0.00 0.00 0.03 0.02 0.00 0.02 0.00 0.01 0.00 0.00 0.01 0.00 0.01 0.00  
people standing at a bus stop in the @entity15 section of the city . one victim ,  
0.00 0.05 0.13 0.06 0.00 0.00 0.15 0.01 0.00 0.04 0.03 0.01 0.00 0.00  
identified by police as @entity18 , 26 , died at the hospital . a 20 - year -  
0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.02 0.00 0.01 0.00 0.02 0.00  
old woman remains in serious condition , according to @entity7 . the driver has been  
0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.01 0.00 0.00 0.00 0.00  
arrested and is under investigation by the @entity24 . " from the investigation and first  
0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00  
findings , there is a strong suspicion that we 're talking about a terror attack ,  
0.00 0.01 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00  
" @entity7 said . amid the ongoing investigation , a magistrate court has issued a  
0.00 0.00 0.00 0.01 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00  
gag order on details of the incident . <EOS>  
0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00

Q path : <SOS> the suspect is a 37 - year - old @placeholder from @entity11 , @entity1 police say <EOS>

Answer: @entity10 Predicted: @entity10