Image Captioning

Question 1 model link:

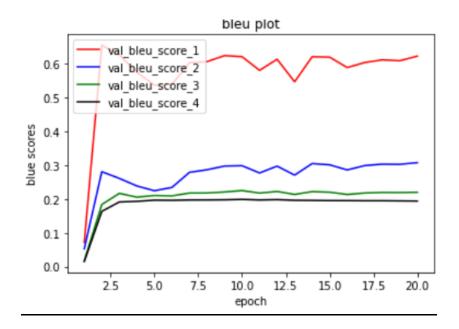
https://drive.google.com/drive/folders/1lh8Ja-KX5ND8YMt96lYwbzQl6iL3Omc4?usp=sharing

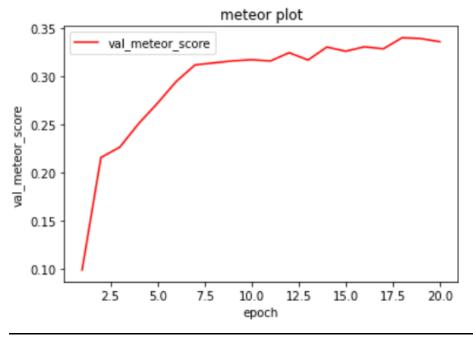
Question 2 model link:

https://drive.google.com/drive/folders/1_PkXR84HE1IpUg0P0PD4VL3FZJIDRNZO?usp=sharing

Question 1

PLOTS:-





METEOR score vs epochs



Question. Display the word and relevant attention weights associated with it.

1) Original Image:



Attention:

predicted caption [' <start> A group of people are in a rock hill . a
man in . him . <end> <pad> <pad <pad> <pad <pad> <p

original captions [[' <start> A group of people sit on a rocky ledge with a scenic view behind them . <end> <pad> <pa <pad> <pad>', ' <start> A middle aged black man is sitting down looking straight in our direction . <end> <pad> <pad>', ' <start> Four adults are sitting on a ledge overlooking mountains . <end> <pad> people sitting on a stone wall that overlooks trees and buildings . <end> <pad> < <pad> <pad>', ' <start> Four people sitting on low cement ledge . <end> <pad> <pad>



2) Original Image:



Attention:

predicted caption [' <start> A man is standing in a red . . front of a
background . <end> <pad> <

original captions [[' <start> A goalie is crouching in a defensive position
in front of the goal . <end> <pad> <pad

<pad> <



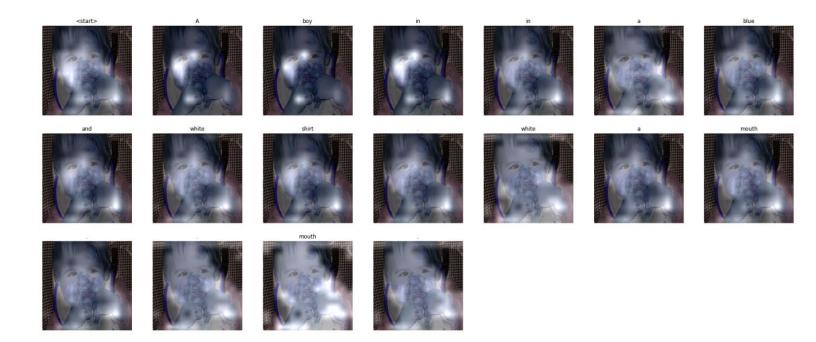
3) Original Image:



Attention:

predicted caption [' <start> A boy in in a blue and white shirt . white a
mouth . . mouth . <end> <pad> <pad>

original captions [[' <start> A baby sits in a black and white chair and puts its fingers up its nose . <end> <pad> <pad>', ' <start> A baby with food smeared on its face and two fingers up its nose . <end> <pad> <p <pad> <pad>', ' <start> A baby with its fingers up its nose . <end> <pad> <pad>', ' <start> A baby with two fingers up its nose , covered in chocolate pudding <end> <pad> <pad>', ' <start> A young baby with food on her face in a purple shirt and both fingers up her nose <end> <pad> <pad>



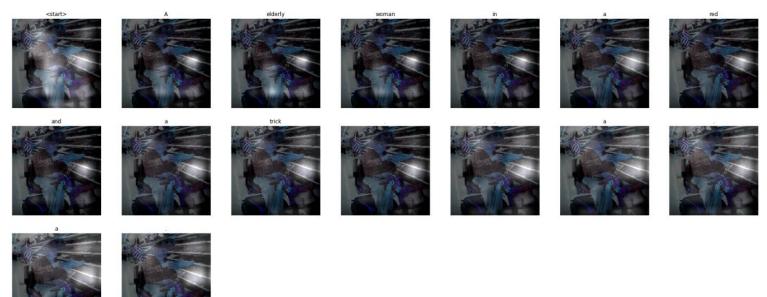
4) Original image



Attention:

predicted caption [' <start> A elderly woman in a red and a trick . . a .
a . <end> <pad> <pad <pad> <pad <pad> <pad <pad> <pad

<pad> ', ' <start> An old man on a cart shopping for shoes <end> <pad> <p



5) Original image



Attention:

predicted caption [' <start> A man is a red shirt is jumping at a camera of
water . <end> <pad> <

original captions [[' <start> A child in a yellow shirt is looking at the body of water . <end> <pad> <p <pad> <pad>', ' <start> A group of people near a lake and on a bridge . <end> <pad> <pad <pad> <pad>', ' <start> A little boy in a yellow shirt walks near the edge of a pond . <end> <pad> < <pad> <pad>', ' <start> a young boy runs for the pond . <end> <pad> <pad>', " <start> Reflections in water of people on bridge and child walking to the water 's edge <end> <pad> <pa <pad> <pad>"]]

