

Image Captioning

Question 1 model link:

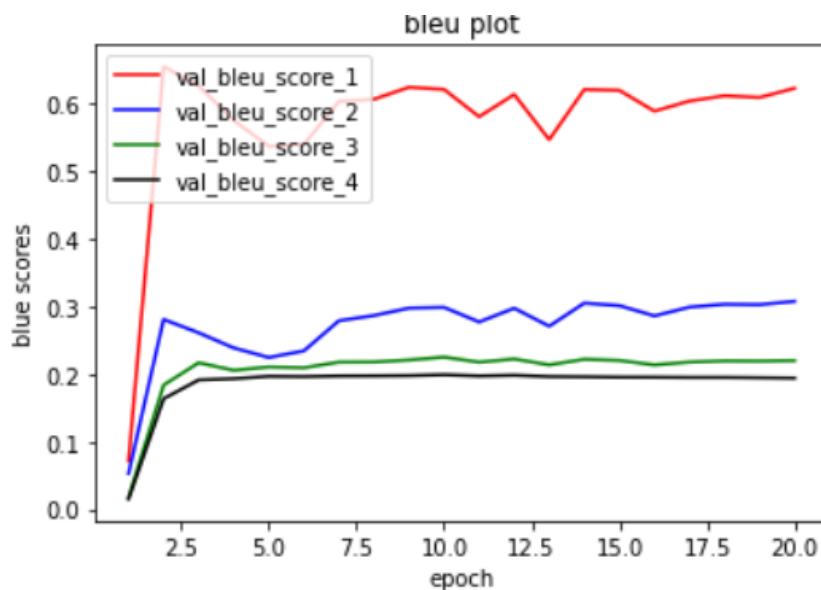
<https://drive.google.com/drive/folders/1lh8Ja-KX5ND8YMt96lYwbzQl6iL3Omc4?usp=sharing>

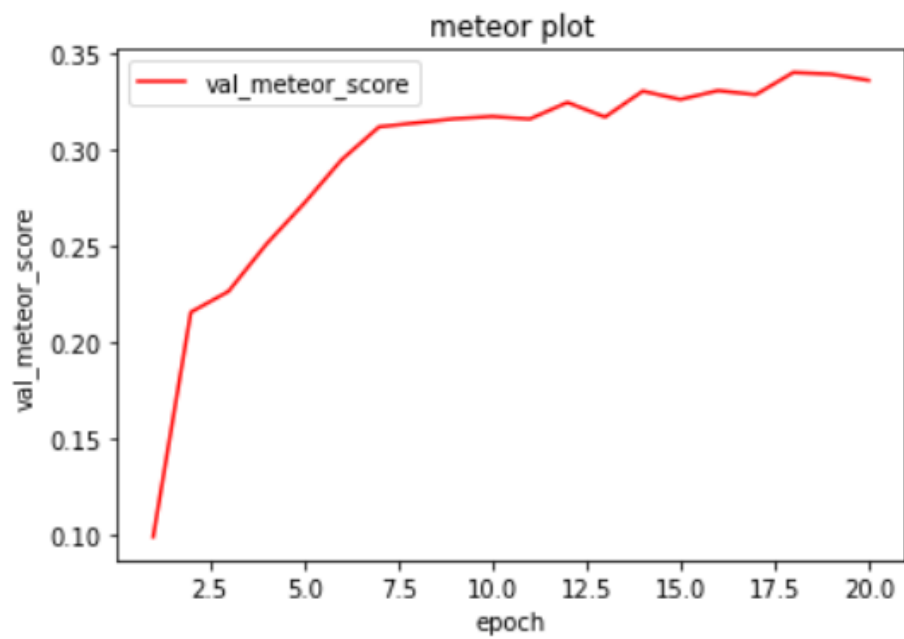
Question 2 model link:

<https://drive.google.com/drive/folders/1PkXR84HE1IpUg0P0PD4VL3FZJIDRNZO?usp=sharing>

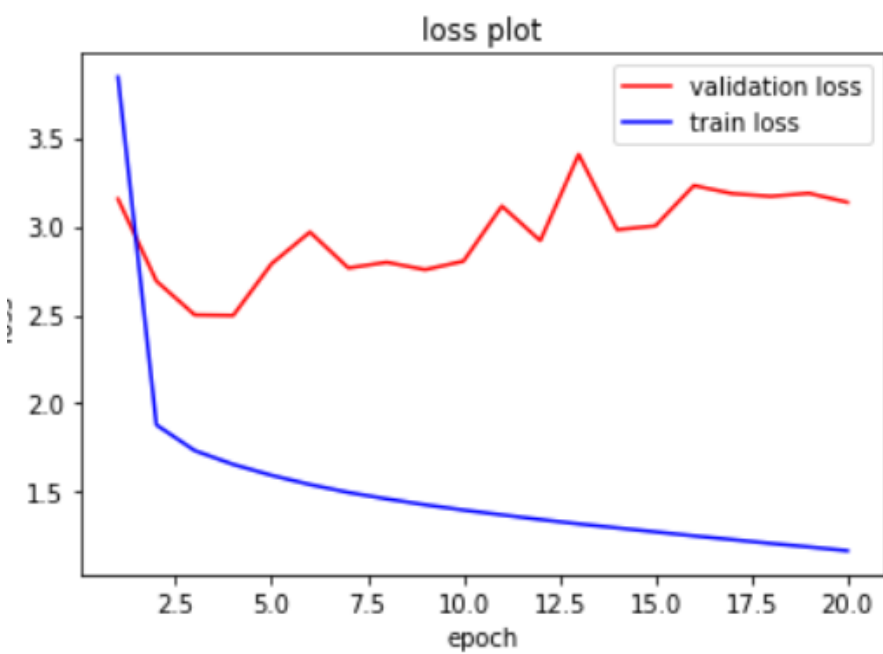
Question 1

PLOTS :-





METEOR score vs epochs








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

1) Original Image:



Attention:

[illegible][illegible]

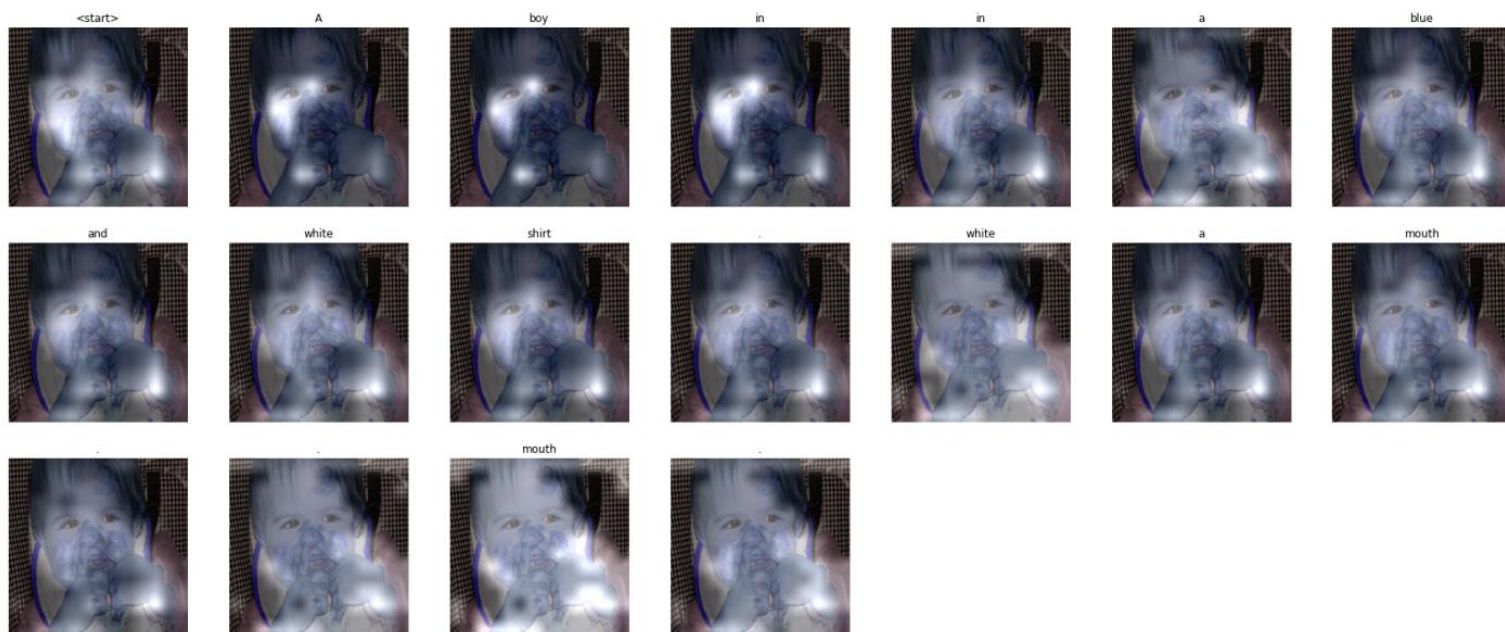
4



Attention:

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

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



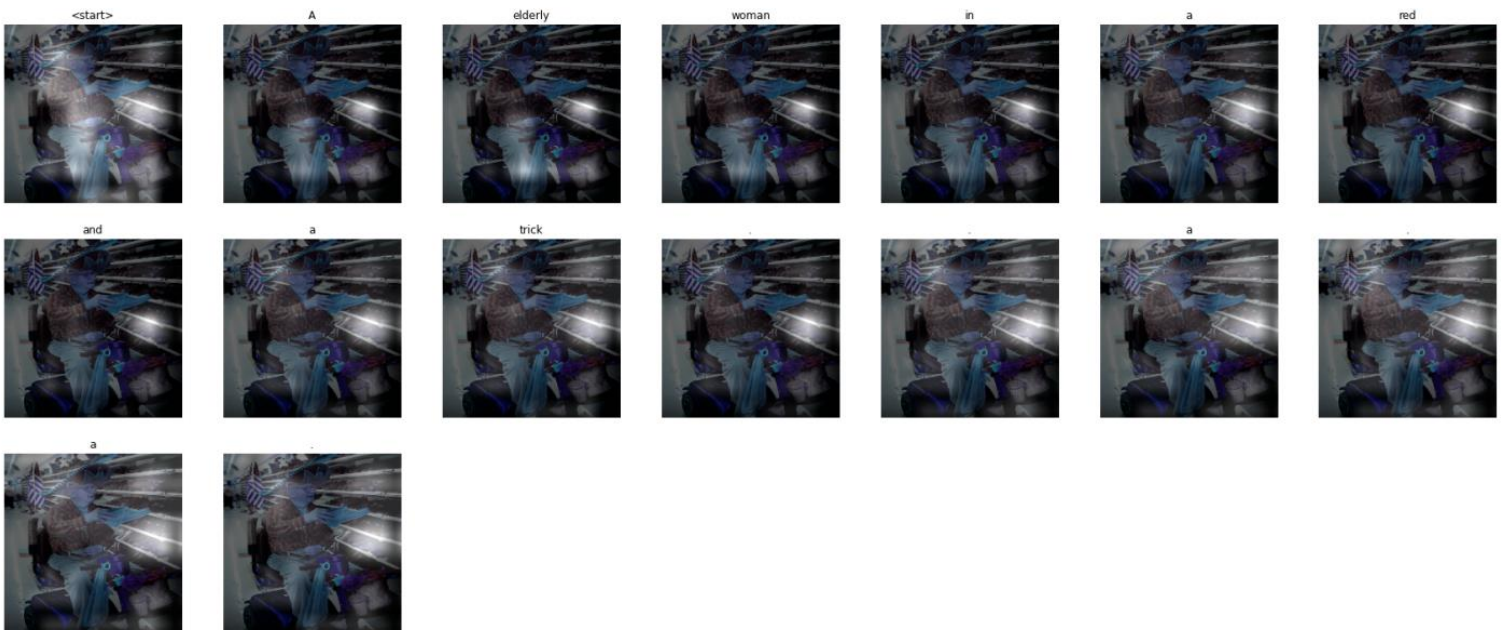
4) Original image



Attention:

[illegible]

<pad> <pad> <pad> <pad> <pad> <pad> <pad>', ' <start> An old man on a cart
 shopping for shoes <end> <pad> <pad> <pad> <pad> <pad> <pad> <pad> <pad>
 <pad> <pad> <pad> <pad> <pad> <pad> <pad> <pad> <pad> <pad> <pad> <pad> <pad>
 <pad> <pad> <pad> <pad> <pad> <pad> <pad> <pad> <pad> <pad>', ' <start> An old
 man wearing a large hat , and riding in a motorized wheelchair , is picking
 out shoes at a store . <end> <pad> <pad> <pad> <pad> <pad> <pad> <pad> <pad>
 <pad> <pad> <pad> <pad> <pad> <pad> <pad> <pad> <pad>', ' <start> Man on electric scooter
 looking at shelves of shoes . <end> <pad> <pad> <pad> <pad> <pad> <pad> <pad>
 <pad> <pad> <pad> <pad> <pad> <pad> <pad> <pad> <pad> <pad> <pad> <pad>
 <pad> <pad> <pad> <pad> <pad> <pad> <pad> <pad> <pad> <pad> <pad> <pad>
 <pad> <pad> <pad> <pad> <pad> <pad> <pad> <pad> <pad> <pad> <pad> <pad>
 <pad> <pad> <pad> <pad> <pad> <pad> <pad> <pad> <pad> <pad> <pad> <pad>
 <pad>']]



5) Original image

