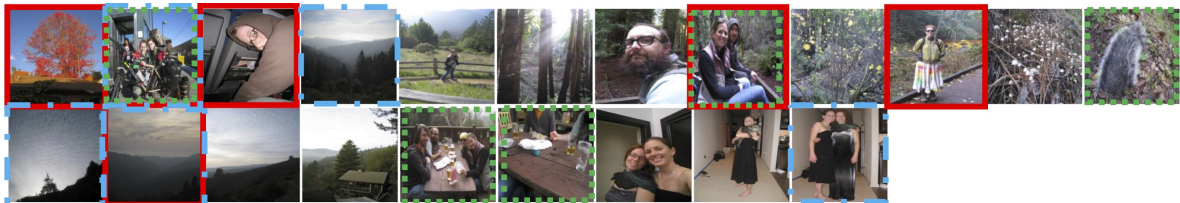


Supplementary Material: Hierarchically-Attentive RNN for Album Summarization and Storytelling

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1 More Examples

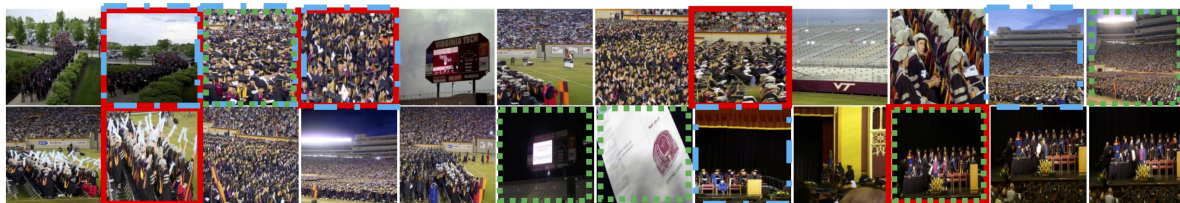
In this section, we show more examples of the joint album summarization and storytelling generation results in Fig. 1. As in the paper, we compare our full model ‘h-attn-rank’ with the baseline ‘enc-attn-dec’. Both models are able to do the album summarization and story generation tasks jointly. Thus, we show them together, where we use blue dashed box and red box to indicate the album summarization by the two models respectively. Besides, we also show the ground-truth album summaries by randomly selecting 1 out of 2 human album summaries, which are highlighted with green box. Below each album are their generated stories.



enc-attn-dec: [male] and family went to the family went to take a beautiful views . the view from the top . the view from the top of the beautiful sight . we had a great view of the trip was a great way to end the day .

hattn-rank: i went on vacation last weekend . there were many people there . we had fun there . we took a lot of pictures . we had a great time at the best part of the day .

gd-truth: i rode my bike into the nature trail yesterday . i brought some friends with me . we saw some animals while we were there . we took a break and had a few drinks . we had a lot of fun outside .



enc-attn-dec: it was a big day for the graduation . the graduates . the graduates were waiting for the ceremony . the graduates were waiting for their seats . the graduates were excited . the crowd .

hattn-rank: the graduation ceremony was packed . the graduates were excited to see each other . there were many speakers there . the graduates were very proud of the ceremony . after the ceremony in the crowd is the best .

gd-truth: there was a huge audience at the graduation ceremony last week . everyone in town was there . all of the speakers took several minutes to deliver their speeches . we used the sports stadium for the event . everyone was really happy to receive their diploma at the end .



enc-attn-dec: the halloween at the with a lot . there . they all the kids . the party was a little [male] and [male] had a little too much .
h-attn-rank: i went to the halloween party . there were many people dressed up costumes . there was a lot of fun . there was so much scary costumes. the costumes were all kinds of fun !
gd-truth: he stood by the fish tank waiting for things to get started . still waiting for the first guests , he decides to sit down . people start arriving at the party in crazy costumes . they started discussing the scenery in the house . everyone poses at the end of the party to take a picture .



enc-attn-dec: the family was excited to graduate . they had a great time for the graduation . the family was so many years ago . the family was happy to be together . the whole family .
h-attn-rank: the graduation ceremony was very excited to graduate . she was so happy to be there . she was so proud of her . they are so happy couple . we had a lot of cake for the best birthday .
gd-truth: a picture of the happy graduate . the brother of the graduate , he is still in school . a friend of the graduate with a picture to remember the day . friends of the graduate in the picture to remember the day . a picture of the graduation sheet cake

Figure 1: Examples of album summarization and storytelling by enc-attn-dec (blue), h-attn-rank (red), and ground-truth (green). We randomly select 1 out of 2 human album summaries as ground-truth here.