Appendix VTC: Improving Video-Text Retrieval with User Comments

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1 Appendix

1.1 Qualitative Examples

In Figure 1 we adapt the text branch, similar to Fig. 1 of the main paper. The example in the second row of Figure 1 shows how our Context Adapter Module can leverage the comments to learn that the content is indeed about parrots, as opposed to dogs. The fourth row shows that without comments, the title alone can be extremely ambiguous while comments can again guide the model to retrieve relevant videos of drumming.

We provide examples where the video branch has been adapted in Figure 2. In most cases, the retrieved titles are broadly related to the video thumbnails. However, when provided with the comments, the retrieved titles become more specific to the videos. For example, in the example from the second row of a screenshot from Mario Kart, the retrieved titles are generally about games e.g. The Castle or Sun Haven, whereas when adapting the video with the comments, the model retrieves titles specifically about Mario Kart. Similarly, in the example from the last row, the model seems to get confused about the content of the video when deprived of the comments, which provide the necessary context about feeding a fish.

Finally, in Figure 3, we show the saliency of comments with regards to a given video and title. For this, we use the approach of masking out each comment in turn, allowing us to visualise the effect of each individual comment on the network output. We compare the output descriptor when including all comments to the descriptors with a comment masked, using the inner product as a score of similarity, and present the comments sorted from lowest to high, the expectation being that an uninformative comment will not cause a large shift in the descriptor (so will still have high similarity when excluded) whereas a salient comment will cause a larger shift (and so a lower similarity when excluded). We show results for adapting both the text branch (left) and visual branch (right), and observe that, as expected, uninformative comments such as "That was great!" and "Possibly?!?!?!! Lol" cause little change to the descriptor, whereas comments related to objects in the video cause a larger shift. This demonstrates that the method is able to pick out and filter the relevant information.

Table 1: Video results - adapting the text branch We try adapting the text branch rather than the video branch for the video experiment. In this setting, the addition of comments seems to transfer less well to other datasets. Showing Recall@10

		VTC		KineticsComms		LiveBotEN	
inference	$\# { m frames}$	VTR	\mathbf{TVR}	VTR	TVR	VTR	\mathbf{TVR}
video	1	29.1	28.6	49.1	46.7	48.0	52.0
video+comments	1	33.2	33.5	47.8	45.6	49.0	52.0
video	8	28.6	27.8	57.5	55.3	68.0	71.0
video+comments	8	33.7	33.3	57.3	53.7	67.0	67.0

1.2 Additional Results

Similar to Tab.7 in the main paper, in Table 2 we evaluate zero-shot generalization of our video model on MSRVTT and MSVD (w/o comments) and compare to CLIP which has been shown to generalize very well [4].

Table 2: Zero-Shot Generalization. Comparison of zero-shot generalization (without using comments). Results are TVR@10.

	MSRVTT	MSVD
$\overline{\text{CLIP}}$	60.7	65.27
Ours	63.8	76.93

Additionally, we perform a baseline experiment by removing all visual information for retrieval in Table 3. As expected, using the video with comments results in improved results over text-only retrieval.

Table 3: Text-only baseline. Comparing retrieval performance without any visual information.

	R@1	R@10
Title from Comments	20.3	41.3
Comments from Title	20.0	42.2
Title from Video	28.2	51.2
Video from Title	25.1	49.9

1.3 Dataset Statistics

In this section, we report some statistics of our dataset in order to give a sense of common topics and general distributions. We show word clouds of the most frequent words in the captions and comments in figures 4-5. In figure 6, we

plot a histogram of most common subreddits based on the number of videos, with "Minecraft" having the largest proportion, followed closely by "aww". The distribution of the number of comments per post can be seen in 7. In figures 8-9, we show the distribution of captions and comment lengths, measured in number of words.

1.4 Dataset Curation

We use the GPU implementation of the FAISS similarity search toolkit [3] to efficiently deduplicate the dataset by indexing the video thumbnail embeddings obtained from a ResNet18. These indices are then used to discard video entries with a high similarity to other posts.

1.5 Training Details

The majority of experiments were conducted on a rented 4xA100-40GB GPU server costing approximately 170USD per day, over the course of three months. Image models (using batch size 128) and video models without comments (using batch size 50) could train on a single 40GB GPU. For TimeSformer models the visual branch was processed on a separate GPU (when training with CAM and batch size 50) or pair of GPUs (for finetuning on video benchmarks with batch size 128). Pretraining the adapter on images takes approximately one hour per epoch. Training the full video model with CAM takes approximately 6 hours per epoch. For the video experiments, we first train the CAM for 5 epochs with the backbone frozen, and then train the rest of the network for one epoch, with the backbone modified to have temporal attention. We use the CAM with 5 comments, and adapt the visual branch of the model.

We use both photometric and temporal data augmentation. For photometric augmentation we employ random crops $(0.5-1.0~{\rm scale})$, random horizontal flipping, and colour jitter (brightness, contrast, saturation, hue). For temporal augmentation, we first temporally subsample the input frames (which are often 30fps) according to a random stride selected uniformly from (4,8,16,32) and then choose a random 8-frame segment uniformly. We normalise inputs using the same preprocessing as Clip (ImageNet mean and standard deviation, 224×224 input size).

At evaluation time we use a temporal stride of 16 and split the video into 8-frame chunks, taking the average of the descriptors of the chunks.

We randomly mask out comments with probability 0.5. We randomly skip adding the residual from the adapter with probability 0.5, which ensures that unadapted descriptors are also used in the loss and so the backbone network can still be used without the adapter.

All retrieval experiments are GPU accelerated using the FAISS⁴ library.

⁴ https://github.com/facebookresearch/faiss

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1.6 Kinetics Comments

In this section we will describe the details for the additional comments we retrieve for the Kinectics-700 dataset. In Table 4 and Figure 10 we show the distribution of the number of comments in the dataset. We collect a maximum of 10 comments and exclude videos without comments, which leaves us with 111 920 videos of the originally 650 000 video clips. The majority of videos has one or two comments available.

Table 4: Comments per video statistics for the KineticsComments dataset.

#comments	1	2	3	4	5	6	7	8	9	10
#videos	50322	21847	11946	7960	5596	4311	3220	2671	2245	1852

1.7 Additional failure cases

In Figure 11 we show additional failure cases. We find that vary vague comments "Why" or generic expressions "Ain't his fault" can distract the model from the title. In the last example, the model does not capture the concept of a sad dog due to the mention of "happy" in the comments.

2 Model Diagram

Figure 12 shows a diagram of the model.

3 Datasheet for VTC dataset

In this section, we answer the questions proposed by Gebru et al. in [2], which were introduced as a way of documenting new datasets.

3.1 Motivation

For what purpose was the dataset created? The dataset was created strictly for research purposes. More specifically, this dataset addresses the research problem of using a weakly informative modality (user comments) in conjunction with other learning signals such as titles and videos for learning multi-modal representations.

Who created the dataset (e.g., which team, research group) and on behalf of which entity (e.g., company, institution, organization)? This dataset is created by VGG, a research group at the University of Oxford and Unitary AI, a company that's developing AI to automate content moderation.

Who funded the creation of the dataset? The creation of dataset has not been funded directly. The individual researchers are funded by Amazon Machine Learning Awards (MLRA) and Innovate UK (project 71653) on behalf of UK Research and Innovation (UKRI).

3.2 Composition

What do the instances that comprise the dataset represent (e.g., documents, photos, people, countries)? The dataset is comprised of links to videos, titles, and comments. Each video-title pair corresponds to a post on reddit.com. The dataset we share does not contain the data itself but hyperlinks to the data.

How many instances are there in total (of each type, if appropriate)? There are 339k video-title pairs with an average of 14 comments per video.

Does the dataset contain all possible instances or is it a sample (not necessarily random) of instances from a larger set? This dataset is a sample of a larger, unfiltered version of the original dataset that we have collected. From the initial version, we handpicked a list of "safe" subreddits and removed posts if: 1) they had the "NSFW" or "over_18" tags; 2) the videos contained faces or the captions contained toxic or offensive text.

What data does each instance consist of? Each instance consists of: - "reddit_id" - "post_url" - "comment_ids" - "subreddit" - "video_length"

Is there a label or target associated with each instance? No, there are no labels provided.

Is any information missing from individual instances? If a user decides to remove a post, the link to the post will become invalid and thus not accessible anymore.

Are relationships between individual instances made explicit (e.g., users' movie ratings, social network links)? Instances that have the same subreddit are likely to share semantic meaning.

Are there recommended data splits (e.g., training, development/validation, testing)? We will release the data splits we have used in our experiments with our code.

Are there any errors, sources of noise, or redundancies in the dataset? Although we have tried to remove most bot-generated text, it is likely that some noise will still exist due to the nature of this data. Similarly, a small proportion of posts might still contain identical or highly similar videos post-deduplication.

Is the dataset self-contained, or does it link to or otherwise rely on external resources (e.g., websites, tweets, other datasets)? If it links to or relies on external resources, a) are there guarantees that they will exist, and remain constant, over time; b) are there official archival versions of the complete dataset (i.e., including the external resources as they existed at the time the dataset was created); c) are there any restrictions (e.g., licenses, fees) associated with any of the external resources that might apply to a future user? Please provide descriptions of all external resources and any restrictions associated with them, as well as links or other access points, as appropriate.

- In order to preserve user privacy, this dataset relies on links to reddit posts and comment ids. a) The links will no longer be valid if a user decides to delete their post. b) It would be possible to find the metadata of each post, as well as the link to the media file, on the Reddit archive. c) All links are accessible to everyone and are likely to remain so in the future.

Does the dataset contain data that might be considered confidential (e.g., data that is protected by legal privilege or by doctor-patient confidentiality, data that includes the content of individuals' non-public communications)? No, all data shared links to public posts.

Does the dataset contain data that, if viewed directly, might be offensive, insulting, threatening, or might otherwise cause anxiety? The dataset is still likely to contain a small proportion of offensive data. Due to the size of the dataset, we were not able to verify each video and each comment manually. However, we have tried to minimize the number of unsafe posts by: - manually filtering the subreddits included; - using Reddit metadata such as the "NSFW" and "over_18" tags to remove unsafe posts; - using automatic machine learning models to remove posts containing faces and toxic text.

Does the dataset relate to people? The dataset relates to people in the sense that each post is created by a person. In order to minimise the content related to people, we used a public face detector model to remove most instances of videos containing faces.

Does the dataset identify any subpopulations (e.g., by age, gender)? The dataset does not explicitly identify any subpopulations. However, some titles, user comments or image contents may identify individuals as part of a subpopulation.

Is it possible to identify individuals (i.e., one or more natural persons), either directly or indirectly (i.e., in combination with other data) from the dataset? Yes. Our dataset contains links to posts where the Reddit username will be visible and some of them might have identifying information contained in their profile such as personal images or information. This information is, however, already publicly available on Reddit.

Does the dataset contain data that might be considered sensitive in any way (e.g., data that reveals racial or ethnic origins, sexual orientations, religious beliefs, political opinions or union memberships, or locations; financial or health data; biometric or genetic data; forms of government identification, such as social security numbers; criminal history)? While we believe this is highly unlikely (as we only use already public posts and comments) – we cannot rule this out with absolute certainty. We will actively maintain this dataset after its release and ensure that if such information is included, that it is removed swiftly.

3.3 Collection process

How was the data associated with each instance acquired? The data was already available on Reddit.

What mechanisms or procedures were used to collect the data (e.g., hardware apparatus or sensor, manual human curation, software program, software API)? The dataset was collected via Reddit's own API (https://www.reddit.com/wiki/api)).

If the dataset is a sample from a larger set, what was the sampling strategy (e.g., deterministic, probabilistic with specific sampling probabilities)? NA

Who was involved in the data collection process (e.g., students, crowdworkers, contractors) and how were they compensated (e.g., how much were crowdworkers paid)? NA

Over what timeframe was the data collected? Does this timeframe match the creation timeframe of the data associated with the instances (e.g. recent crawl of old news articles)? The dataset was collected between May 2020 and July 2021.

Were any ethical review processes conducted (e.g., by an institutional review board)? No.

Does the dataset relate to people? If not, you may skip the remainder of the questions in this section. The dataset related to people in so far that the dataset creators are individual users of reddit and posts can contain people.

Did you collect the data from the individuals in question directly, or obtain it via third parties or other sources (e.g., websites)? The dataset was collected via Reddit's API. Thus, only public posts and data was downloaded.

Were the individuals in question notified about the data collection? NA.

Did the individuals in question consent to the collection and use of their data? NA.

If consent was obtained, were the consenting individuals provided with a mechanism to revoke their consent in the future or for certain uses? NA.

Has an analysis of the potential impact of the dataset and its use on data subjects (e.g., a data protection impact analysis) been conducted? NA.

3.4 Preprocessing/cleaning/labeling

Was any preprocessing/cleaning/labeling of the data done (e.g., discretization or bucketing, tokenization, part-of-speech tagging, SIFT feature extraction, removal of instances, processing of missing values)? The released dataset was preprocessed using an automated pipeline. This pipeline was taken from [1] and was used to removed videos that contain human faces using a publicly available face classifier.

Was the "raw" data saved in addition to the preprocessed/cleaned/labeled data (e.g., to support unanticipated future uses)? Yes.

3.5 Uses

Has the dataset been used for any tasks already? This dataset has only been used for the experiments in this paper.

Is there a repository that links to any or all papers or systems that use the dataset? Google scholar will be able to track which papers have built upon this dataset/idea.

What (other) tasks could the dataset be used for? This dataset can be used for multi-modal representation learning or video-text retrieval.

Is there anything about the composition of the dataset or the way it was collected and preprocessed/cleaned/labeled that might impact future uses? Not that we are aware of.

Are there tasks for which the dataset should not be used? This dataset should not be used for tasks that might disclose the identity of the users or directly or indirectly harm them.

3.6 Distribution

Will the dataset be distributed to third parties outside of the entity (e.g., company, institution, organization) on behalf of which the dataset was created? No.

How will the dataset will be distributed (e.g., tarball on website, API, GitHub)? The dataset will have a website and GitHub repository and be downloaded as a csv file containing links to the data points.

When will the dataset be distributed? The dataset will be published together with this paper.

Will the dataset be distributed under a copyright or other intellectual property (IP) license, and/or under applicable terms of use (ToU)? The dataset will be distributed under a research license.

Have any third parties imposed IP-based or other restrictions on the data associated with the instances? No.

Do any export controls or other regulatory restrictions apply to the dataset or to individual instances? NA.

3.7 Maintenance

Who is supporting/hosting/maintaining the dataset? The authors will maintain the dataset. In particular, Laura Hanu (

How can the owner/curator/manager of the dataset be contacted (e.g., email address)? The website of the dataset will contain all information to contact the authors and or maintainers of the dataset.

Is there an erratum? No.

Will the dataset be updated (e.g., to correct labeling errors, add new instances, delete instances)? Yes, the website will contain a mechanism to version and update the dataset in case of errors.

If the dataset relates to people, are there applicable limits on the retention of the data associated with the instances (e.g., were individuals in question told that their data would be retained for a fixed period of time and then deleted)?

Will older versions of the dataset continue to be supported/hosted/maintained? Yes through versioning on GitHub.

If others want to extend/augment/build on/contribute to the dataset, is there a mechanism for them to do so? Yes, on the website.

Will these contributions be validated/verified? Yes, by the authors and maintainers of the dataset.

4 Dataset Examples

In figures Table 5, Table 6, and Table 7 we show random examples of the dataset with two comments (or less if a video only received one comment).

Video	Title	Comment	Comment
148 200000			
6 0 M M M	Beerus and Whis are still a deadly combo! (Zenkai 3)	So do I, by far one of my favorite units. Thanks!	Really well played, love seeing Beerus in action!
		It's pretty funny, I have dozens of these at this point!	
	this is? I was playing on an private Nitrado Minecraft Server with my 2 Friends, we were playing on the earliest version. When we were building, we realized that on a random mountain this skull just appeared, we couldn't destroy it and it just spawned every kind of mob		
		Pressure and I didn't want to fly all the way up again, I also was sup- posed	Why ender pearl?
	Gotta KNEAD the dough	That sound ahh so cute lol	-
	iron farm won't work? They have beds	on bedrock lol	Do they have work stations?
	What am I looking at here? ',:/	That looks like some sort of flightless fly. It kind of looks like a bat fl	

Table 5: A set of random samples from the dataset, showing title and up to two comments per video. (Included here since the guidelines only allow pdf/mp4 supplement)

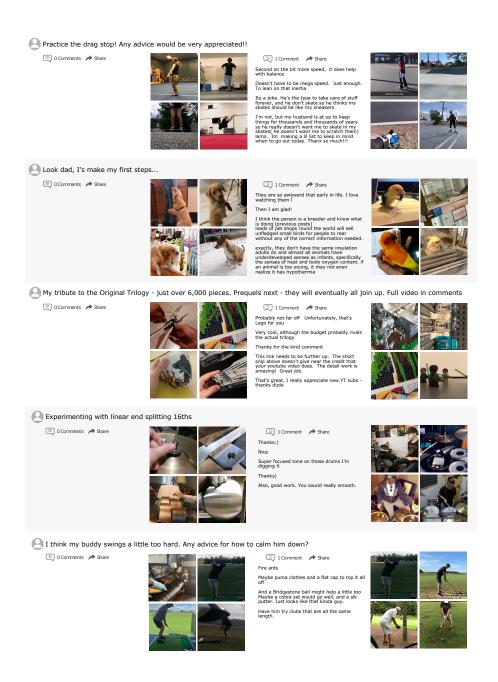
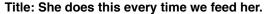


Fig. 1: Examples of retrieved video thumbnails when adapting the text branch.

Comments Video thumbnail Retrieved titles w/o adapting Retrieved titles with adapting today my cat woke up more loving than usual (sorry if I wrote something wrong) Sound on! Luna like to purr on me in the mornings Harder the struggle, longer the Woke up with her on me Morning routine of kneading and face smushing with my best guy $\ensuremath{\heartsuit}$ My kitty Mordecai was tucking me in when I didn't feel well #YOU CANT ESCAPE THE CUDDLES I don't know why, but my cat likes my bed so much. The first thing he does when we let him in is go to my room. He just enjoys it so much. This is his moment of happines, and mine as well. He just looks so happy! "Video, video, always with the video! ...but if you must, behind the ears mom, let's go." It's been a crappy week, but his cuddles definitely help sooth my soul. I think she missed me when I was traveling. (Sound on!) He seems very mellow! And he is very handsome. Sound on! Luna like to purr on me in the mornings My kitty Mordecai was tucking me in when I didn't feel well I'll check your profile out Comments Video thumbnail Retrieved titles with adapting Retrieved titles w/o adapting "The Chosen One" Star Wars 3D Lenticular Fan Artwork ... created by interlacing strips in alternati orders so light reflecting at different angles shows multiple images ... hand drawn & self-produced! Why did I make this fan edit? Because of Obi-Wan. Thank you! Made another rotoscope test [oc] Looks really good anyway. Great work. My tribute to the Original Trilogy - just over 6,000 pieces. Prequels next - they will eventually all join up. Full video in comments 👍 Star Wars/Interstellar - My most ambitious and time-consuming project yet. Enjoy! I wanted to visualise why TROS' ending disappointed me so much, so I edited ROTI to have an ending that's more similar to certain aspects of TROS'. Feel free to discuss. I'll have another look at it and see if I can make it look good My first attempt at video editing Iol. I call this one The High Ground, Gonna want the audio on this one My tribute to the Original Trilogy - just over 6,000 pieces. Prequels next - they will eventually all join up. With: James Earl Jones and David Prowse As Death Vader [OC] Qui-Gon & Obi Wan VS Darth Maul Except Darth Maul Fights With a 20 BLADED LIGHTSABER. Comments Video thumbnail Retrieved titles w/o adapting Retrieved titles with adapting Full tour of my fully decorated medieval island kingdom, 6 months of work Rip to the guy who got blue shelled last [MK8DX] Sometimes the Blue Shell can really help How it started/How it's going - Crown Trick. This is one year [MK8DX] Is my copy of Mario Kart defective, or what? Lol thanks. Everything that could've gon right with the end of this race did. The exact opposite of some races where you one year of progress between the playable demo and the final version of the game. Still can't believe that we are releasing the game tomorrow on Steam and Nintendo Switch I suck at Mario kart double dash but got 2 specials in a row (I'm best at ds) go from 1st to last within seconds (h looking at you, Moo Moo Meadows). Those green shell hits were clean [MKDS] Blue Shells just don't care about walls If any wonder what if when Marvelous Merchant switch places + New Location [MK8DX] That was they funniest Mario Kart moment I've ever had (look at the Koopa) Those green shell hits were clean Does the ghost in The Castle come with the DLCs or...? Lol yeah, good point. Mk is definitely Cl One of my personal favorite parts of our game Sun Haven-- The Wishing Well It is, although it's much easier in 200 Comments Video thumbnail Retrieved titles w/o adapting Retrieved titles with adapting Yo yo yo this is a song I'm working on called "Lovers and Friends" - do y'all dig it? It's still Friday in Hawaii! Been 2 months on my first guitar (Guild Om-150CE)... learning from Youtube Appreciate it man 5 the vibes roll on Sat to work on an old project. - it ended up as something completely different. Fingerpicking + open chords + listening to the Beatles last week. What's your thoughts? Sat to work on an old project. - it ended up as something completely different. Fingerpicking + oper chords + listening to the Beatles last week. What's your thoughts? exactly! Thanks This is my first time posting what I play on guitar, so I was pretty nervous, anyways this peace is called "Etiuda quasi tarantela". Sadness and Sorrow on mandolin (voice memo) - my first time letting anyone besides close friends and my teacher hear me play sounds great! got the birds chi the background just like in the recording down pretty well too My first post on Reddit of my singing. My take on Santeria by Sublime My first post on Reddit of my singing. My take on Santeria by Sublime imbled across leaves on a vine while modelling on My first post here! The song is called Cigarettes and Rain. I'm pretty new to songwriting so feedback is Sweet man thanks. Keep at it guitar. Probably wrong and in a different key but thought you guys might enjoy it Comments Video thumbnail Retrieved titles w/o adapting Retrieved titles with adapting A reversed GIF of a post I found in r/soapmaking, link in comments. Mongo is well fed, but still wants cichlid pellets. Pterygoplichthys scrophus - rhino pleco I don't know whats wrong with Leo today...He's acting weird and not as usual...Usually when he same and begs for food..But today i knock iglass many times to let him know im back..but he just sat at the gravel and doesn't respond to my knocks.(More in comments) The vibrating effect of the ripples on this pond, looked exactly like this in person. What do y'all think? Maybe not satisfying as f***, but satisfying at least? He said thank you 🢗 Too cute Filmed the little piece of brutalism I printed He did actually catch a couple of the pellets 😝 Slow-mo ripples in our patio mini pool We caught Rocky eating a minnow! We were moving to an apartment so he's was in a 10 gallon but don't worry we have him in a 40 gallon at the moment 👍 Does anyone know why my hdr is showing through my movie clip? Also when I don't use a hdri the "scene setup" option doesn't work well, the light doesn't work at all! HELP. He wanted to catch the food :) Making him do tricks for his meal, might as well be a clownfish!

Fig. 2: Examples of retrieved titles when adapting the visual branch.

Caught my Jungle Vali pearling today.





Title: Here's Giorno's theme from JJBA.



Title: Car battery problem? No Problem!

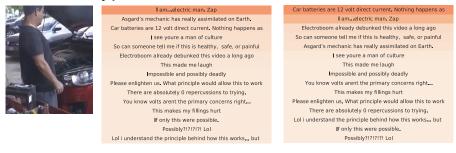
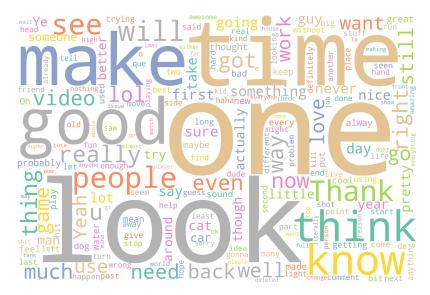


Fig. 3: Visualising comment saliency. We show the title and thumbnail for three videos, and show the ranked saliency of comments when adapting using the Text branch (left) and Image branch (right). Comments mentioning topics relevant to the title or image are ranked highly, while irrelevant comments are lower.



Fig. 4: Word cloud of most common words in the captions.



 $\textbf{Fig. 5:} \ \ \text{Word cloud of most common words in the comments.}$

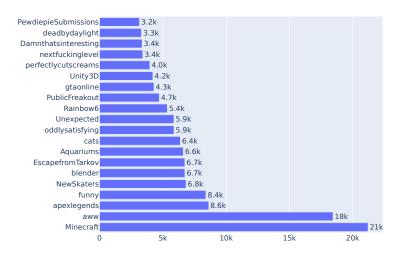


Fig. 6: Top 20 subreddits according to the number of videos.

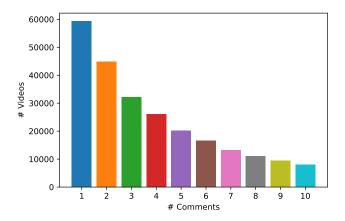


Fig. 7: We show a histogram of comment statistics on VTC.

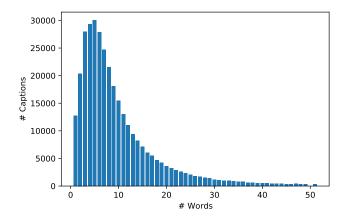


Fig. 8: Caption length distribution.

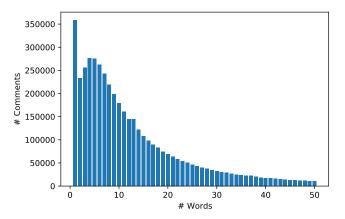
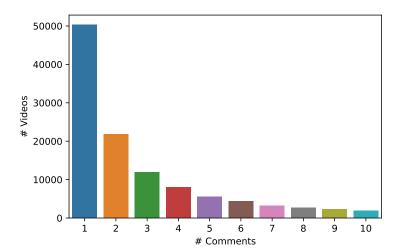


Fig. 9: Comment length distribution.



 ${\bf Fig.\,10:}$ We show a histogram of comment statistics on Kinetics Comments.

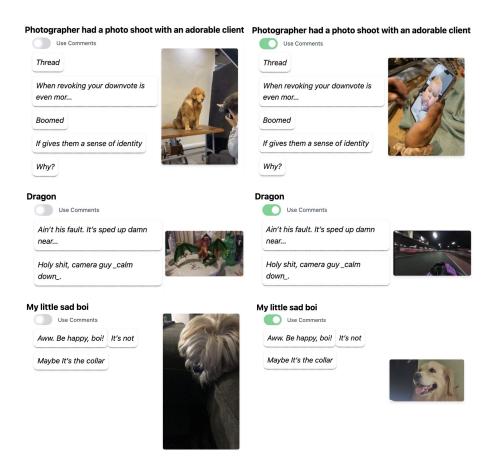


Fig. 11: Examples of failure cases where using comments confounds the model and leads to a more mismatched retrieved thumbnail.

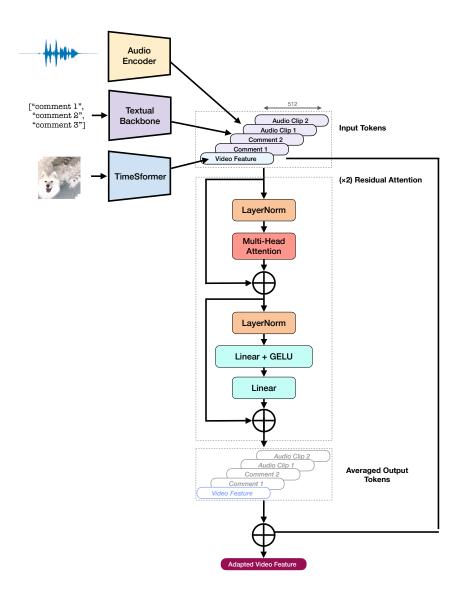


Fig. 12: We show a diagram of the feature extraction and Context Adapter Module for the case of adapting the Video Feature. Multi-Head Self-Attention is performed on the input tokens (which are themselves any combination of video, audio or textual features) as part of a transformer architecture consisting of two Residual Attention blocks. Finally the output token corresponding to the Video Feature is passed through a final linear layer and added to the original feature in a residual fashion.

Video	Title	Comment	Comment
	This happened to me while running around as a dog, and I feel like the music is fitting	what is the music i like that	-
1	A cutting edge Tik Tok!	How does one obtain this power?	That's really steady
	Didn't notice the change in physics until trying this gap again	Yeah, finding a lot of spots with strange physics, but it's mostly because	
	[self] I made my own She- Ra Sword using irides- cent vinyl!		What's underneath the vinyl?
			Oh mythe contempt! LmaoFrom your atti- tude I bet no one tells you any
	"Hidden Pools" 1	That tnak is beautiful I love the plants and colours!	-
	Bad egg from Walmart	Rough crowd.	Did you read his comment until the end?
	First trip around the track	Those were my guesses as it seems to be on the smaller side of the 4-6-0 cl	A Manor or a Hall?
you make an all and a second an	greatest rage machine Anyone else hate having	Hello everyone! We have opened new My friends and I love	meme is ok "And the stranger's aim
Table 6	to ADS?	-	was deadly with the big iron on his hip."

Table 6: A set of random samples from the dataset, showing title and up to two comments per video. (Included here since the guidelines only allow pdf/mp4 supplement)

Video	Title	Comment	Comment
		That's how they hide	
	shrimps for 2 months, al-	from me! Thanks for your	hiding. If there are holes
	ways can't find them and		or pits in your substrate
	thought they are dead		
	/ been eaten. Surprised		
	to see this baby shrimp		
	today! Pencil for scale in		
	video.		
	The preferable option	Ugh.	Aaaiiee!
	Is he strong? Listen,	Is that the house from	Oh, wheat!
	Bud! He's got radioactive	Courage the Cowardly	
	blood. Can he swing from	Dog	
	a thread? Take a look		
	overhead.		
1 1	Pog gloryhole shot sorry	KomodoHype	-
The same	I got excited I killed him		
	and I finished my pun-		
	isher pt3 in that raid as		
	well		
7.	Why does this keep hap-	On the rigidbody at-	When I was trying to fix
	pening? (I am a noob)	tached to your object se-	
		I	that I didn't have a mesh
		axis	
	I'm sure you've all seen	A bug that flinches when	-
	this one, but just incase	_	
	you haven't		
	l .	l .	

Table 7: A set of random samples from the dataset, showing title and up to two comments per video. (Included here since the guidelines only allow pdf/mp4 supplement)

References

- Asano, Y.M., Rupprecht, C., Zisserman, A., Vedaldi, A.: Pass: An imagenet replacement for self-supervised pretraining without humans. In: Thirty-fifth Conference on Neural Information Processing Systems Datasets and Benchmarks Track (Round 1) (2021)
- Gebru, T., Morgenstern, J., Vecchione, B., Vaughan, J.W., Wallach, H., Iii, H.D., Crawford, K.: Datasheets for datasets. Communications of the ACM 64(12), 86–92 (2021)
- 3. Johnson, J., Douze, M., Jégou, H.: Billion-scale similarity search with gpus. arXiv preprint arXiv:1702.08734 (2017)
- Radford, A., Kim, J.W., Hallacy, C., Ramesh, A., Goh, G., Agarwal, S., Sastry, G., Askell, A., Mishkin, P., Clark, J., et al.: Learning transferable visual models from natural language supervision. arXiv preprint arXiv:2103.00020 (2021)