

Video Analysis with Scene Change Detection, Moondream2, and Llama3

Upload a video to extract key frames based on scene changes, summarize them with Moondream2, and then generate a final summary using Llama3.

Choose a video...



Drag and drop file here

Limit 200MB per file • MP4, MOV, AVI, MKV, MPEG4

Browse files



The Lion King (2019)_ The morning lesson. Simba and Mufasa.mp4 28.6MB





Extracting key frames based on scene changes...

Extracted 11 key frames

Analyzing frames with Moondream2...



Frame 1 - Summary: The image shows two lions lying down in a dark, rocky environment, with one adult lion partially in the foreground and a young lion standing behind it.



Your son's awake.
-Before the sunrises he's your son

Frame 2 - Summary: The image shows a serene landscape with a silhouette of a lion resting on a rocky outcrop, with a dramatic sky in the background.



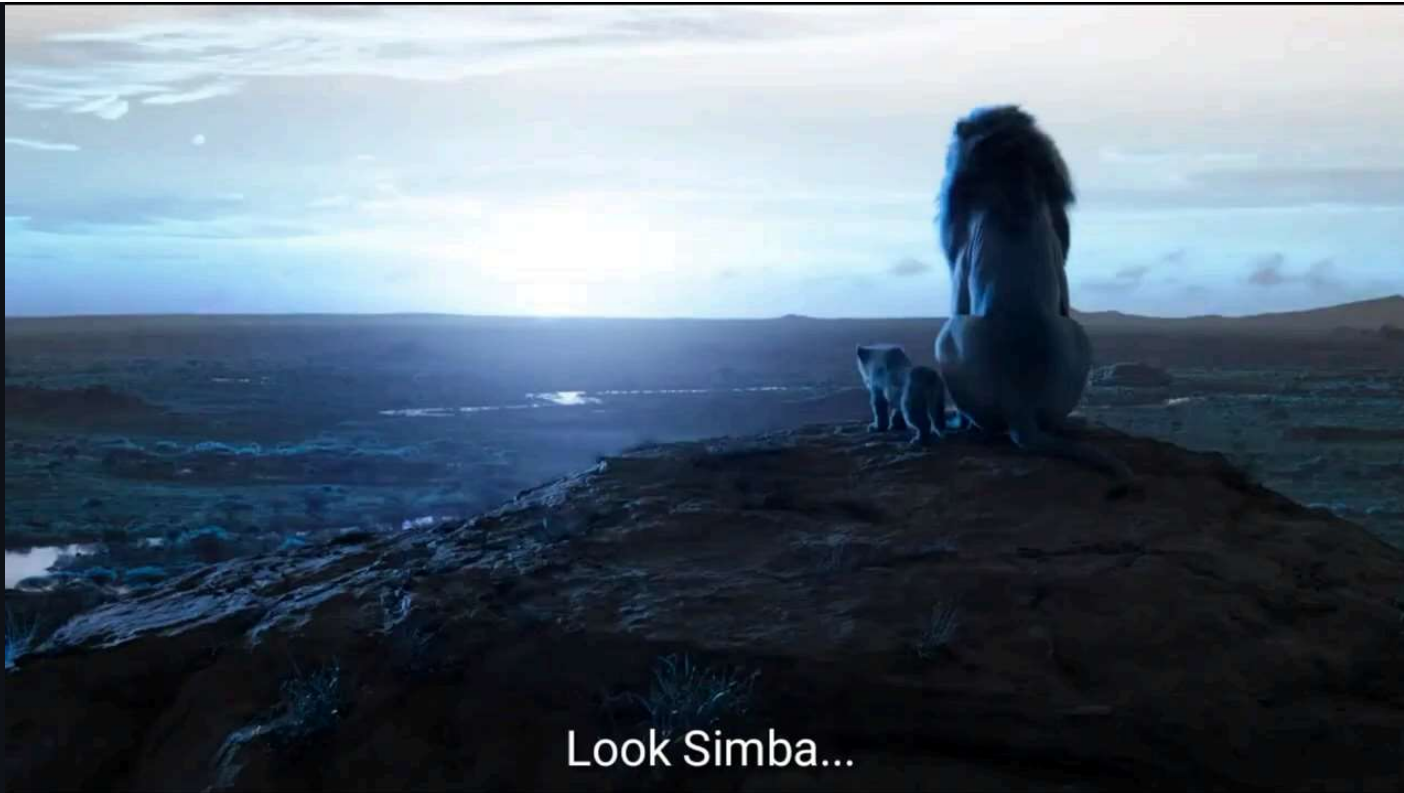
Frame 3 - Summary: The image shows a group of lions resting on a rocky outcrop at dusk, with the sky and distant landscape visible in the background.



Frame 4 - Summary: The image shows a majestic lion standing on a rocky outcrop with a smaller lion cub in the foreground, set against a backdrop of a cloudy sky.



Frame 5 - Summary: A majestic lion stands atop a rocky outcrop, its gaze fixed on the horizon, against a backdrop of a serene sky.



Frame 6 - Summary: In the image, a majestic lion sits atop a rocky outcrop, gazing out at a serene landscape bathed in the warm glow of a setting sun. Emblazoned at the bottom of the frame is the phrase "Look Simba...", suggesting a connection to the iconic African film "The Lion King".



Frame 7 - Summary: The image shows a close-up of a majestic lion with a focused gaze, set against a backdrop of a hazy sky and distant hills.



a great responsibility.

Frame 8 - Summary: The image shows a lion perched on a rocky outcrop, overlooking a vast landscape with distant mountains under a cloudy sky.



You must not go there Simba.

Frame 9 - Summary: The image features a close-up of a majestic lion with a serene expression, set against a backdrop of a sky transitioning from day to night. Emblazoned at the bottom of the image is a quote that reads, "You must not go there Simba."



Frame 10 - Summary: The image shows a lion standing on a rocky outcrop with a mountainous landscape in the background, and a text overlay at the bottom of the frame.



Frame 11 - Summary: The image shows a lion in a grassy field with trees in the background, accompanied by a text overlay that reads "when we die, our bodies become the grass."

Generating final video summary with Llama3...

Llama3 Response:

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{  
  "model" : "llama3"  
  "created_at" : "2024-08-21T20:37:15.6571191Z"  
  "message" : {  
    "role" : "assistant"
```



```
"content" :
```

```
"Here is a summary of the key frames from the video:
```

```
The video features majestic lions in various poses and environments. The first few frames show lions resting or standing on rocky outcroppings, with serene landscapes or dramatic skies in the background. One frame features a young lion standing behind an adult, suggesting a family dynamic. As the video progresses, it appears to be drawing inspiration from Disney's "The Lion King," with one frame quoting Simba and another featuring the iconic phrase "Look Simba..." at the bottom of the frame.
```

```
Later frames focus on close-ups of individual lions, showcasing their regal expressions and powerful physiques against hazy or cloudy skies. One frame features a lion perched on a rocky outcropping overlooking a vast landscape with distant mountains. The video also explores themes of mortality and the cycle of life, as seen in one frame featuring a lion standing in a grassy field surrounded by trees, accompanied by the quote "when we die, our bodies become the grass." Overall, the video presents a majestic and contemplative portrayal of lions in their natural habitats."
```

```
}
```

```
"done_reason" : "stop"
```

```
"done" : true
```

```
"total_duration" : 58071836600
```

```
"load_duration" : 16760500
```

```
"prompt_eval_count" : 417
```

```
"prompt_eval_duration" : 28383590000
```

```
"eval_count" : 220
```

```
"eval_duration" : 29670411000
```

```
}
```

Final Summary:

Here is a summary of the key frames from the video:

The video features majestic lions in various poses and environments. The first few frames show lions resting or standing on rocky outcroppings, with serene landscapes or dramatic skies in the background. One frame features a young lion standing behind an adult, suggesting a family dynamic. As the video progresses, it appears to be drawing inspiration from Disney's "The Lion King," with one frame quoting Simba and another featuring the iconic phrase "Look Simba..." at the bottom of the frame.

Later frames focus on close-ups of individual lions, showcasing their regal expressions and powerful physiques against hazy or cloudy skies. One frame features a lion perched on a rocky outcropping overlooking a vast landscape with distant mountains. The video also explores themes of mortality and the cycle of life, as seen in one frame featuring a lion standing in a grassy field surrounded by trees, accompanied by the quote "when we die, our bodies become the grass." Overall, the video presents a majestic and contemplative portrayal of lions in their natural habitats.