

Image Caption Generator

Shree Murthy, Rahul Sura, Dylan Inafuku

2023-12-16

Table of Contents

1. Introduction	1
1.1. Alt Text	1
2. Analysis	2
3. Methods	2
4. Results	2
5. Reflection	2
6. References	2

1. Introduction

This report aims to discuss the model building and evaluation of an Image Caption Generator trained on the Flickr 8k Dataset. The goal of this model is to take in an image and generate a caption that describes the image. This model is built using an Encoder/Decoder structure. The motivation for this model is to develop a model that can help create “Alt Text” to help visually impaired people understand images on the internet. This model can also be used to help people who are learning a new language understand the meaning of an image.

1.1. Alt Text

Alt text is a short description of an image that is used by screen readers to describe images to visually impaired people. The goal is to make the internet more accessible and useable for

everyone. HubSpot has a great article on how to write alt text for images [@HubSpot]. It explains that alt text should be short yet descriptive. The

2. Analysis

3. Methods

4. Results

5. Reflection

6. References

Here is an example of how to cite a source:

1. HubSpot. [Link to the article](#)

Remember to follow the citation style required by your institution or publication.

This is a sentence that includes an in-text citation [@HubSpot]