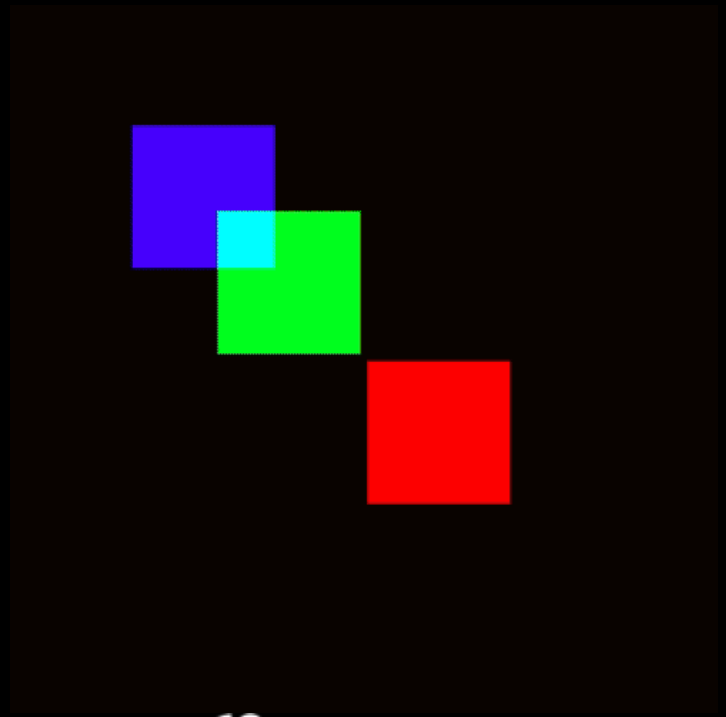
Geração e Manipulação de Imagens 3D



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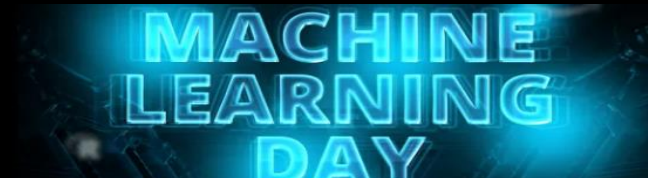
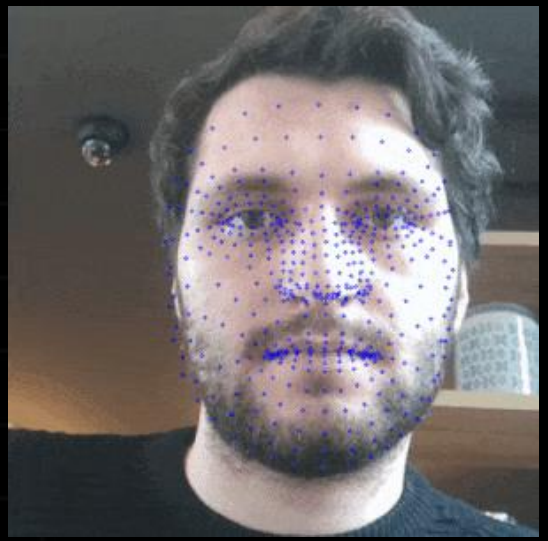


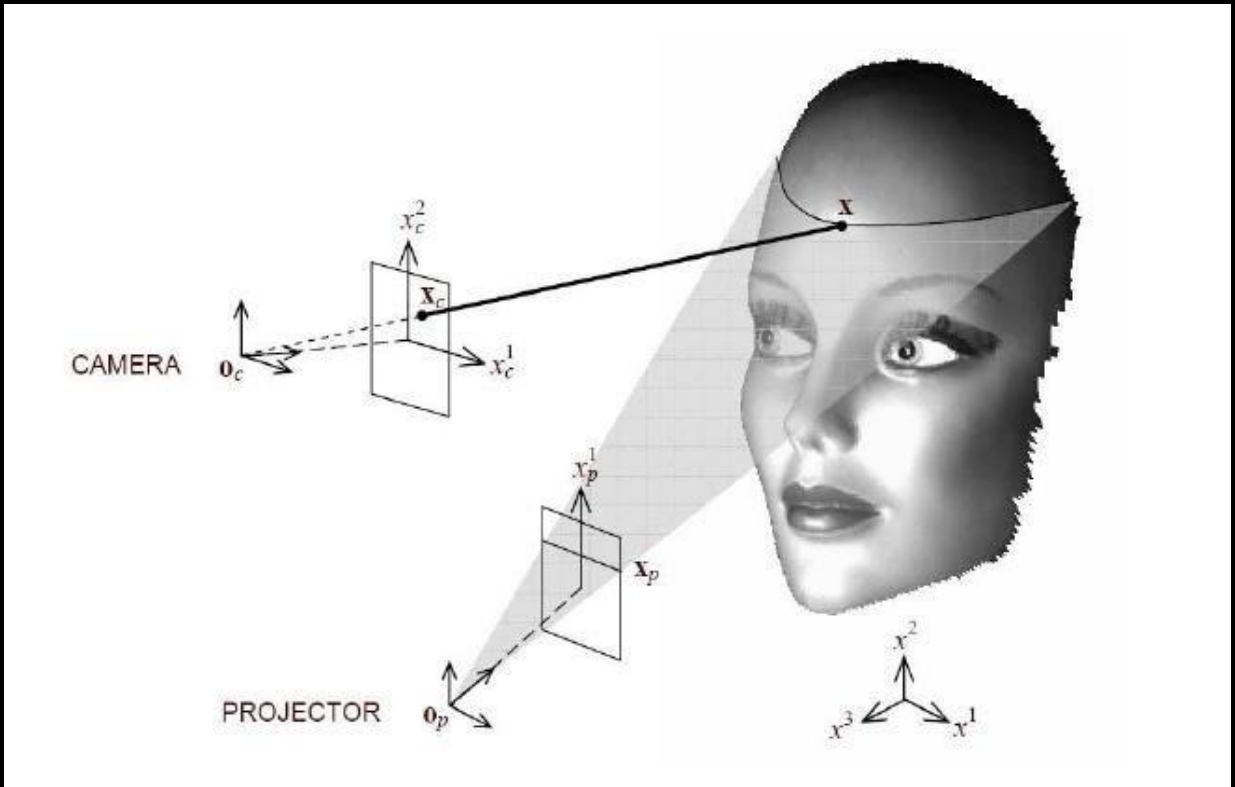
Geração de imagens 3D

Captura da imagem sem profundidade:



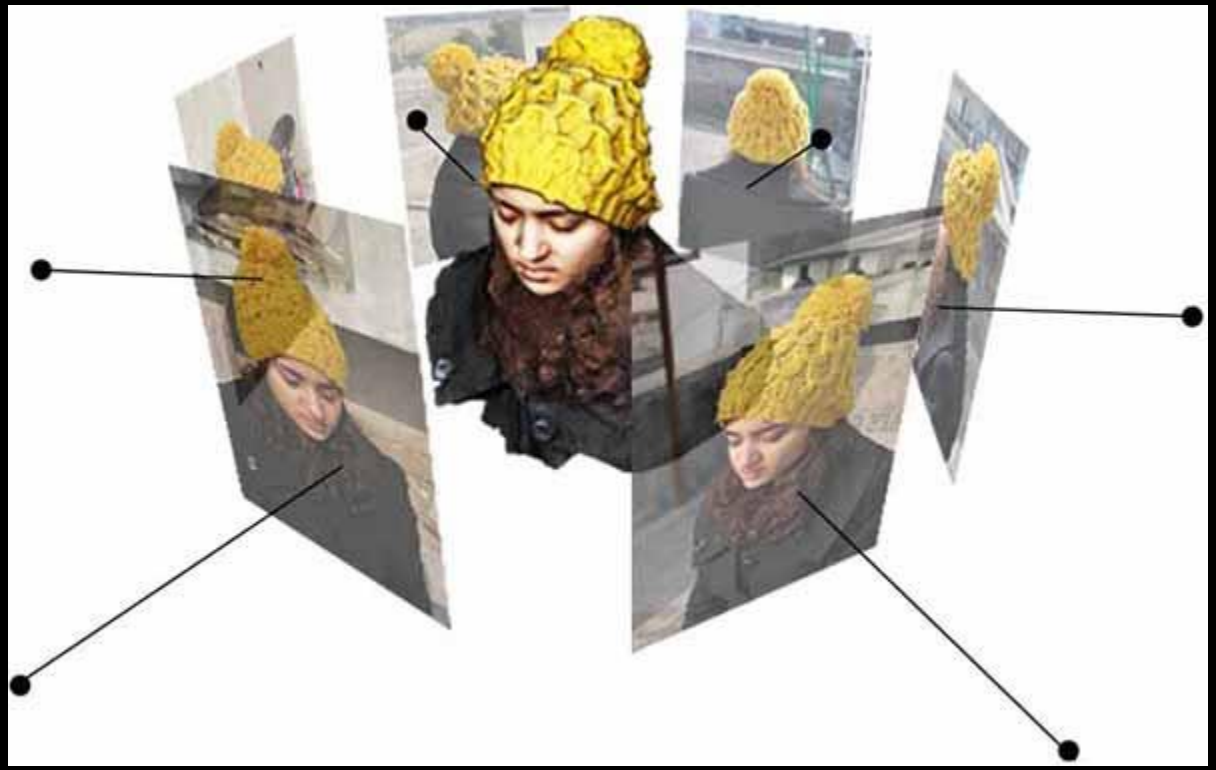
Reconstrução de imagens 3D

Transformar uma imagem 2D para 3D:



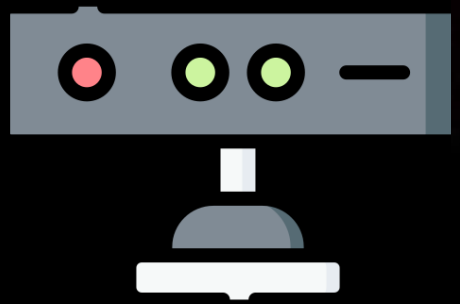
Reconstrução de imagens 3D

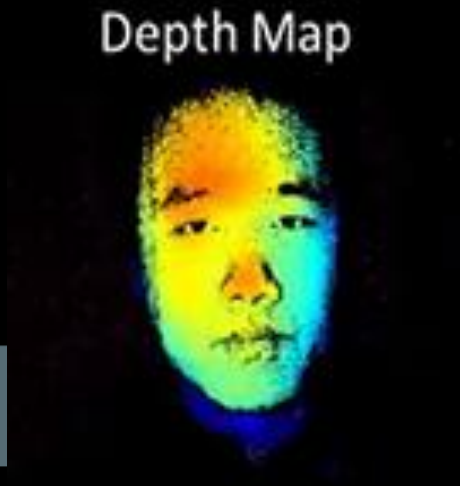
Transformar uma imagem 2D para 3D:



Kinect - Microsoft

Sensoriamento 3D por laser





Depth estimation - COLAB

depth_estimation

Arquivo Editar Ver Inserir Ambiente de execução Ferramentas Ajuda Não é possível salvar as alterações

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Seção

+ Código + Texto Copiar para o Drive

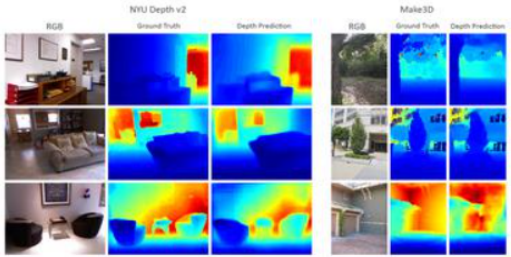
RAM Disco

Monocular depth estimation

Author: Victor Basu
Date created: 2021/08/30
Last modified: 2021/08/30
Description: Implement a depth estimation model with a convnet.

Introduction

Depth estimation is a crucial step towards inferring scene geometry from 2D images. The goal in *monocular depth estimation* is to predict the depth value of each pixel or inferring depth information, given only a single RGB image as input. This example will show an approach to build a depth estimation model with a convnet and simple loss functions.



Obrigado!

Machine Learning

Prof. Dr. Diego Bruno

OpenCV