

Dataset Documentation

Title: “Revolutionizing Cardiac Care: Exploring the Synergy Between Entrepreneurial Ecosystems and 3D Deep Learning for Enhanced Heart Imaging in MedTech “

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Overview of the dataset:

In the dataset, there are three classes named Left Ventricle, Myocard, and Right Ventricle. This dataset is a 3D MRI heart image. There are 400 images.

Source: Roboflow

Workspace: memoire

Project: heart-segmentation-2

Version: 1

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URL: <https://universe.roboflow.com/memoire/heart-segmentation-2/dataset>

The typical steps involved in dataset download from Roboflow are as follows:

1. Click the dataset URL.
2. Click the download button
3. Choose the model's name YOLOv5
4. Choose the download as a Zip file option.
5. Then, the dataset will be downloaded as a zip file on your device.

Data Training and Validation:

The images in the dataset were pre-processed to a uniform size of 640 x 640 pixels. The dataset is divided into training and validation sets, with 280 images (approximately 70%) designated for training and 120 images (approximately 30%) for validation. Each image has been meticulously labeled according to the class it represents to ensure accurate model training and performance validation.