



Università
di Catania

DEPARTMENT OF MATHEMATICS AND COMPUTER SCIENCE
MASTER'S DEGREE IN COMPUTER SCIENCE (MSc)

Dott. Andrew R. Darnall, Dott. Giovanni Spadaro

Multiple Sclerosis Lesion Segmentation with SegFormer Models

COURSE - COMPUTER VISION E
LABORATORIO

Academic Year 2024 - 2025

Contents

1. Overview	2
2. The Multiple Sclerosis Lesion Segmentation Challenge and Dataset	3
3. The SegFormer Models	4
4. Our Experiments and Selected Models	5
5. Conclusions	6

Chapter 1

Overview

Chapter 2

The Multiple Sclerosis Lesion Segmentation Challenge and Dataset

Chapter 3

The SegFormer Models

Chapter 4

Our Experiments and Selected Models

Chapter 5

Conclusions

Thank you for your attention,

Dott. Andrew R. Darnall, Dott. Giovanni Spadaro