

Full-Resolution Residual Networks for Prostate Segmentation

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1 Introduction

We use a fully resolution residual network for prostate segmentation in a 2D manner (slice by slice). Our main method is exactly same with Pohlen's paper [2].

2 Experiments

We randomly choose 5 subjects of the PROMISE [1] dataset as validation set, and the other 45 subjects as training set. We donot pay much time to tune the model and donot even try 3D as input which is believed to work beter, since we just want to know if this full-resolution style work or not.

References

- [1] Geert Litjens and et al.. Evaluation of prostate segmentation algorithms for mri: the promise12 challenge. *MedIA*, 18(2):359–373, 2014.
- [2] Tobias Pohlen, Alexander Hermans, Markus Mathias, and Bastian Leibe. Full-resolution residual networks for semantic segmentation in street scenes.