Weekly Work Report For CSAI4SG
Group 7

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1 Overview

In course of this seminar we are going to:

- Present the paper Efficient Poverty Mapping using Deep Reinforcement Learning
- Project: Analysis of traffic intensity and car park usage in Basel since 2019

2 Team Progress for the week

As a team we achieved:

- We divided the topics of the presentation among the members:
    - Introduction: Michelle
    - Methods: Reto
    - Results: Erind
- Some pair programming for the project in a physical team meeting

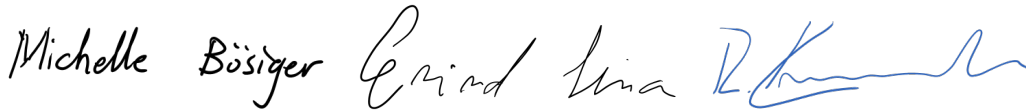## 3 Individual Progress

3.1 Michelle Bösiger

- Wrote my appointed slides of the paper presentation on Overleaf
- Read excluding the paper we are presenting, two other previous papers from February and June 2020
- Had a coding session consulting about the python codes required in the project

3.2 Erind Shima

- Gone through the paper "Efficient Poverty Mapping using Deep Reinforcement Learning", in order to set up the slides for the presentation on December 8th.
- Gone ahead with the realization of the group project.
- Discussed the division of the parts to be disclosed during the presentation.

3.3 Reto Krummenacher

- Read the first published version of our paper.
  https://arxiv.org/pdf/2006.04224v1.pdf

- Read the prequel paper where the authors describe in detail the work for training the YOLOv3 object detector used in the second paper to perform the object detection on chosen high-resolution tiles.
  https://arxiv.org/pdf/2002.01612.pdf

- Setting up the LateX-Document on Overleaf for the slides to present. Adding slides to my part.

- Related to the project, some pair programming and explanations on using Pandas in Python.

Michelle Bösiger	Erind Shima	Reto Krummenacher