*Documentation of Details*

*The report should be short and concise. What we expect you to include in this is anything ”boring” and* ***note that we will not read this document except*** *if we are interested in technical details of your model, or we want to re-run/validate your experiments. Note that anything included in the presentation should not be included in the report. What we expect is that the report includes anything required to re-produce your results. Such as:*

* ***Hyperparameters. This can be referred to as ”We used the config file our\_amazing\_model.yml and all hyperparameters are there”. Nothing else is required. 7 ***
* ***How to train your model. Assume that we want to re-run all your experiments. Document clearly how we should be able to do this. An example of this could be***
  + ***To setup your environment, install the additional packages ”some-package” (Not required if you used the default environment used in the assignments). Then, you can train the model on cityscapes by running the file ”some train.py”. Furthermore, fine-tune the model on TDT4265 dataset by running ”some train2.py. Finally, run the evaluation script.***
* *Specific details of your model architecture. Examples of this can be the tables with models given in previous assignments.*
* *Any additional results that you did not have place for in the report. However, we do not want any discussion of this result in the report.*

*The reason we want such a short report is that we do not have enough staff resources to read through everything. Even though I truly enjoy reading some of your assignments and reports, it would take me way too much time getting through all of your reports!*

**Report**

**Hyperparameters**

**How to train**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Architecture** | | | | | |
| Is output | Layer name | Layer Type | Kernel size | Number of Filters | Stride |
| Yes – Res: 102 x 135 | Layer1  Layer2 | Conv2d  Bn  ReLU  MaxPool2D  3x  Conv2d  Bn  ReLU  Conv2d  Bn  Conv2d  Bn  ReLU  Conv2d  Bn  Conv2d  Bn  3x  Conv2d  Bn  ReLU  Conv2d  Bn | 7x7  -  -  3x3  3x3  -  -  3x3  -  3x3  -  -  3x3  -  1x1  -  3x3  -  -  3x3  - | 64  -  -  -  64  -  -  64  -  128  -  -  128  -  128  -  128  -  -  128  - | 2  -  -  2  1  -  -  1  -  2  -  -  1  -  2  -  1  -  -  1  - |
| Yes – Res: 51 x 68 | Layer3 | Conv2d  Bn  ReLU  Conv2d  Bn  Conv2d  Bn  5x  Conv2d  Bn  ReLU  Conv2d  Bn | 3x3  -  -  3x3  -  1x1  -  3x3  -  -  3x3  - | 256  -  -  256  -  256  -  256  -  -  256  - | 2  -  -  1  -  2  -  1  -  -  1  - |
| Yes – Res: 26 x 34 | Layer4 | Conv2d  Bn  ReLU  Conv2d  Bn  Conv2d  Bn  2x  Conv2d  Bn  ReLU  Conv2d  Bn | 3x3  -  -  3x3  -  1x1  -  3x3  -  -  3x3  - | 512  -  -  512  -  512  -  512  -  -  512  - | 2  -  -  1  -  2  -  1  -  -  1  - |
| Yes – Res: 14 x 17 |  | Conv2d  ReLU | 2x4  - | 256  - | 2  - |
| Yes – Res: 7 x 9 |  | Conv2d  ReLu | 3x4  - | 256  - | 1  - |
| Yes – Res: 5 x 6 |  | Conv2d  ReLU | 3x3  - | 256  - | 2  - |
| Yes – Res: 3 x 3 |  | Conv2d  ReLU | 2x2  - | 256  - | 1  - |
| Yes – Res: 1 x 1 |  | Conv2d  ReLU | 3x3  - | 256  - | 2  - |

