

Master-Praktikum - Learning for self-driving cars and intelligent systems - Winter 2019/20

Weekly Report: Sensor Modality Fusion

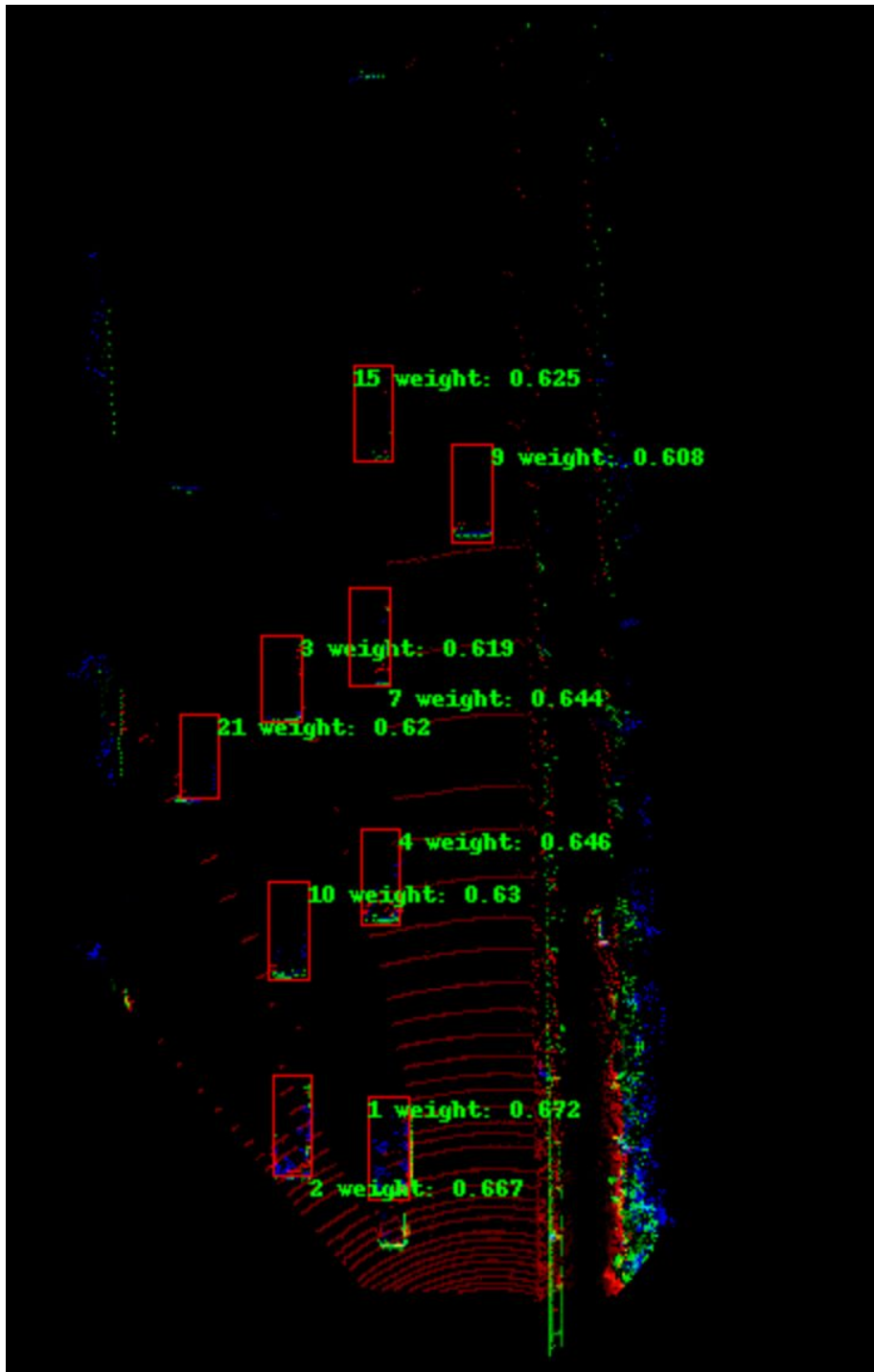
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13 January 2020

Accomplished tasks:

- Started working on a Mixture of Experts methodology.
 - Looked deeper into the outputs of the network
 - Weights are getting updated accordingly: by setting the image feature input to zero while keeping bev feature input, the output weight for the image will tend to 0 and that for bev will tend to 1.
- Evaluated MoE with the validation set
- Visualized the MoE output weights for the corresponding regions of image and bev





- Investigated a paper for improving bounding box results (epBRM):

<https://arxiv.org/abs/1910.04853>

Tasks planned for next week:

- Continue to work on Mixture of Experts for better results
- Continue to work on endpoint Box Regression Module

Issues / Roadblocks:

- The results of MoE evaluation doesn't look that good. Look into training details.