

Weekly Report KARIMI-2021-12-10

My work this week has mainly been towards

- IJCAI 22 Papers
 1. STANLEY experiments: Improve baseline
 2. Continue on the Dist-EBM paper

1 STANLEY experiments: Improve baseline

I have been focussing on the STANLEY paper again this week. While I have greatly improved the experiments section with CIFAR, Flowers, Gaussian and CelebA datasets for the AAAI deadline, it did not pay off. Hence, I am working towards improving the celebA inpainting experiments. This consists in

- Improving the baseline, Vanilla Langevin in the image completion task, i.e. making sure that the main baseline is producing the best quality of missing images. Right now, it appears to be slightly blurry. Main focus is to try as much hyperparameters as I can. No convincing results for now as they are as good as I already have.
- Adding more baselines as far as visual checks. While I do have GD and HMC baselines for the FID curves, I have not been able to produce convincing images for the visual checks. In general FID checks should prevail over the visual ones as they are quantified at each iteration (or thousands) but having more images to show seems to be what reviewers want.

2 Continue on the Dist-EBM paper