Title

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Abstract

It should not be more than 300 words.

1. Introduction

This section introduces your problem, and the overall plan for approaching your problem.

2. Background/Related Work

This section discusses relevant literature for your project.

3. Approach

This section details the framework of your project. Be specific, which means you might want to include equations, figures, plots, etc

4. Experiment

This section begins with what kind of experiments you're doing, what kind of dataset(s) you're using, and what is the way you measure or evaluate your results. It then shows in details the results of your experiments. By details, we mean both quantitative evaluations (show numbers, figures, tables, etc) as well as qualitative results (show images, example results, etc).

5. Conclusion

What have you learned? Suggest future ideas.

List and number all bibliographical references at the end of your paper. When referenced in the text, enclose the citation number in square brackets, for example.

[4] [2] [3] [9] [7] [5] [1] [6] [8]

References

- [1] K. He, X. Zhang, S. Ren, and J. Sun. Deep residual learning for image recognition. *CoRR*, abs/1512.03385, 2015.
- [2] G. Patterson, C. Xu, H. Su, and J. Hays. The sun attribute database: Beyond categories for deeper scene understanding. *International Journal of Computer Vision*, 108(1-2):59–81, 2014
- [3] A. G. Rundle, M. D. Bader, C. A. Richards, K. M. Neckerman, and J. O. Teitler. Using google street view to audit neighborhood environments. *American journal of preventive medicine*, 40(1):94–100, 2011.
- [4] V. Slavkovikj, S. Verstockt, W. De Neve, S. Van Hoecke, and R. Van de Walle. Image-based road type classification. In *Pattern Recognition (ICPR)*, 2014 22nd International Conference on, pages 2359–2364. IEEE, 2014.
- [5] M. Wang. Multi-path convolutional neural networks for complex image classification. *CoRR*, abs/1506.04701, 2015.
- [6] S. Zagoruyko and N. Komodakis. Wide residual networks. CoRR, abs/1605.07146, 2016.
- [7] B. Zhou, A. Khosla, A. Lapedriza, A. Oliva, and A. Torralba. Object detectors emerge in deep scene cnns. *CoRR*, abs/1412.6856, 2014.
- [8] B. Zhou, A. Khosla, À. Lapedriza, A. Torralba, and A. Oliva. Places: An image database for deep scene understanding. *CoRR*, abs/1610.02055, 2016.
- [9] B. Zhou, A. Lapedriza, A. Khosla, A. Oliva, and A. Torralba. Places: A 10 million image database for scene recognition. *IEEE transactions on pattern analysis and machine intelligence*, 2017.