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A study [1] was recently conducted which proposed radial bar chart based visualization of classification performance. They have used the radial position to represent model performance and the color and angular position to represent classes. Figure 1 shows how they draw different numbers of samples from a dataset and report the error rate for all of them after certain iterations. However, using such design for our purpose will be cumbersome as we have more number of classes in cityscapes and discovering trends from different figures (since it requires one visualization per iteration in this design mechanism [1]) will increase cognitive load on the user's part.

Figure 1: Radial Bar Chart of Classification Error Rate.

References:

1. A. Luque, M. Mazzoleni, A. Carrasco, and A. Ferramosca, "Visualizing classification results: Confusion star and confusion gear," IEEE Access, vol. 10, pp. 1659–1677, 2021.