Project template

June 9, 2024

1 Figures

There are two wonderful packages in LaTeX to create figures TikZ and PGFPlots. The former can be used to create any kind of vector graphic, the latter focuses on plots. Together they can create almost any kind of figure you need for a paper. Use them. Here, some examples from a recent paper [1]:
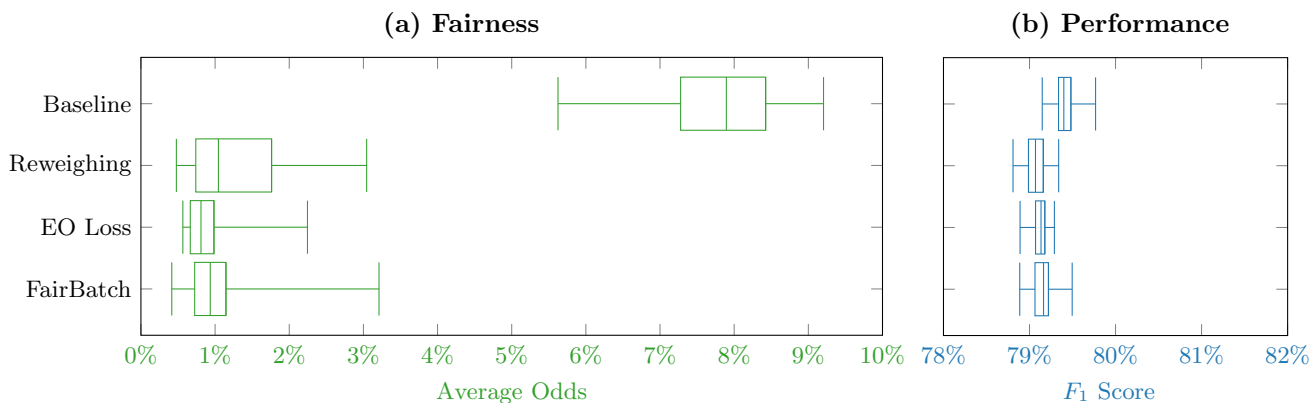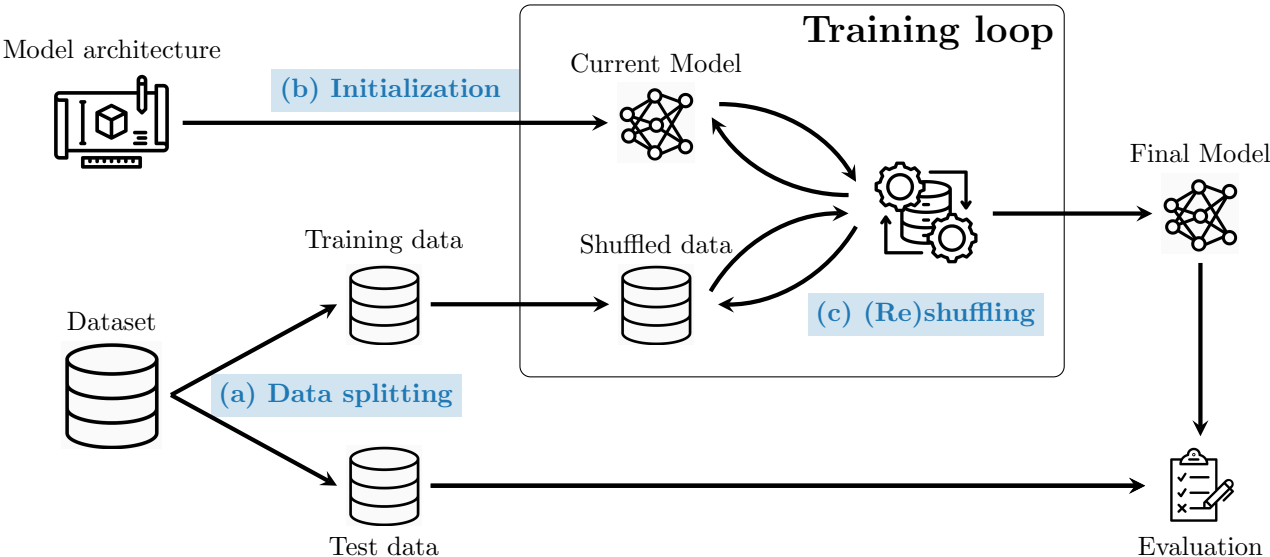

Figure 1: Some box plots
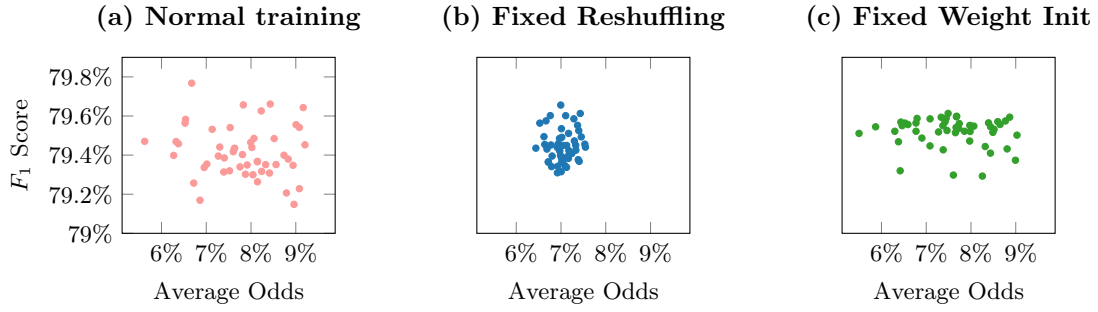

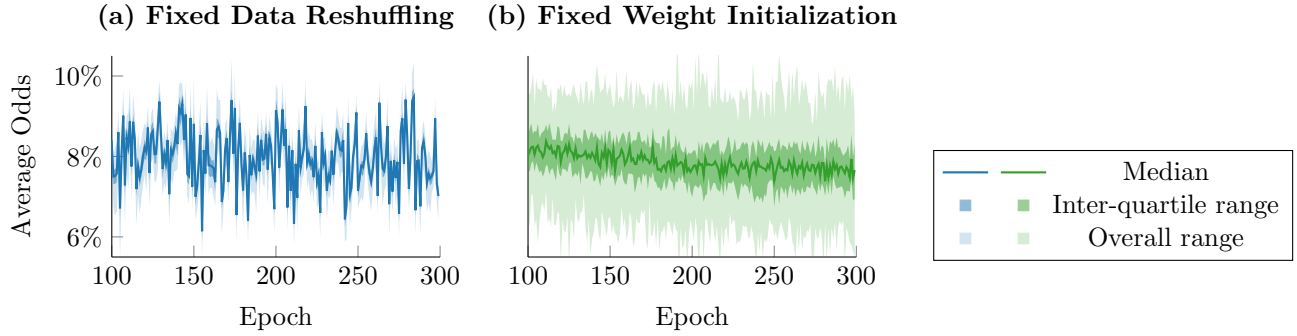Figure 2: An overview

Figure 3: Some scatterplots

Figure 4: And some line plots with a legend

2 Tables

Use the booktabs package. Ideally only have three horizontal lines. Don't have vertical lines! Generally follow the advise here.

References

[1] P. Ganesh, H. Chang, M. Strobel, and R. Shokri. On the impact of machine learning randomness on group fairness. In *Proceedings of the 2023 ACM Conference on Fairness, Accountability, and Transparency*, pages 1789–1800, 2023.

Table 1: Some tables

(a) Different Datasets

	Fixed RR	Fixed WI
ACSIncome	.94	.04
ACSEmployment	.89	.01
CelebA	.92	.01

(b) Different Fairness Metrics

	Fixed RR	Fixed WI
Average Odds	.94	.04
Equal Opportunity	.94	.05
Demographic Parity	.96	.03

(c) Changing Hyperparameters

	Fixed RR	Fixed WI
Default Hyperparameters	.94	.04
Batch Size = 16	.95	.00
Learning Rate = 0.01	.93	.00
Arch = {2048, 64}	.92	.00
No Dropout	.94	.04
Dropout Rate = 10%	.88	.03
Dropout Rate = 20%	.85	.04
Dropout Rate = 30%	.80	.13