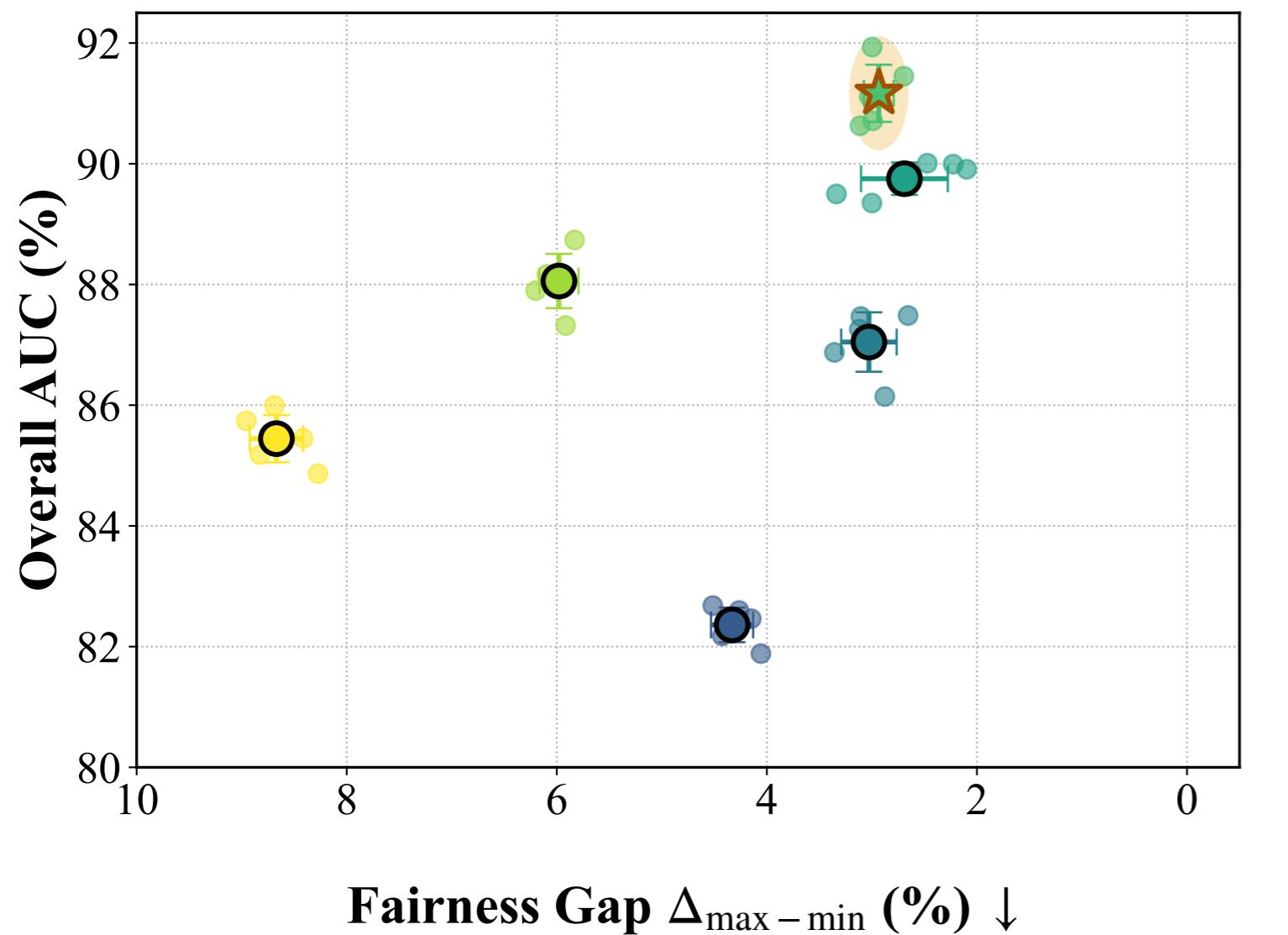


Fairness Performance Trade-Off Analysis

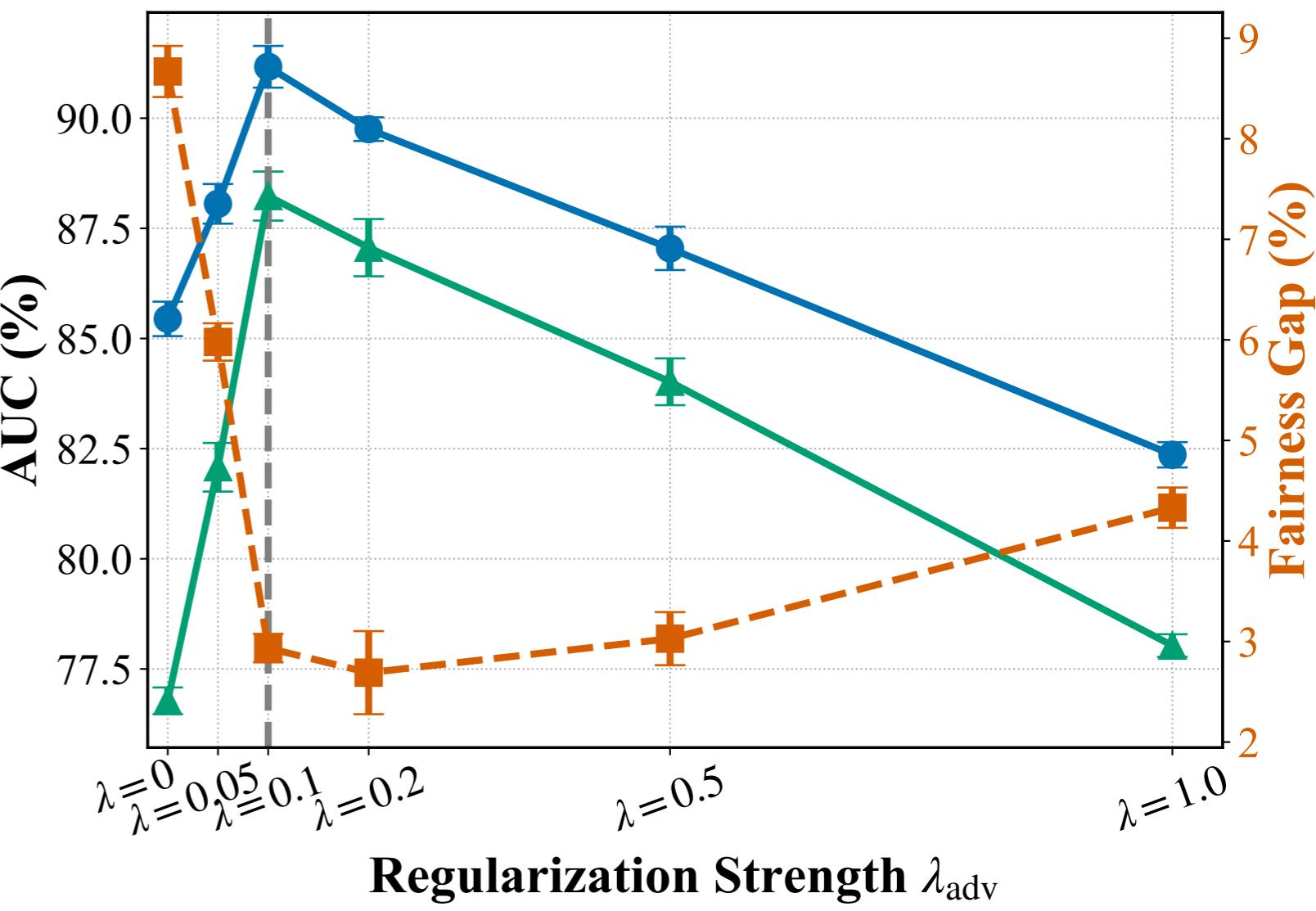
a) Pareto Frontier



*: $p < 0.05$ (vs. $\lambda = 0, 0.2$)

*: $p < 0.05$ (vs. $\lambda = 0, 0.2$)

(b) Sensitivity Analy



-- Optimal $\lambda = 0.1$

Overall AUC (%)

Worst-Group AUC (%)

- Fairness Gap (%)