mushrooms dataset: $m = 8124$, $n = 112$

Legend:
- Prox-N-SCORE: $\alpha = 0.05$
- Prox-N-SCORE: $\alpha = 0.1$
- Prox-N-SCORE: $\alpha = 0.2$
- Prox-N-SCORE: $\alpha = 0.3$
- Prox-N-SCORE: $\alpha = 0.5$
- Prox-N-SCORE: $\alpha = 0.7$
- Prox-N-SCORE: $\alpha = 1.0$

x-axis: iteration number, k

y-axis: $\|\mathcal{L}_k - \mathcal{L}^*\|/\|\mathcal{L}^*\|$