Table 1: MAD and quartiles of the absolute difference between $\hat{L}_S + \epsilon$ and $\hat{L}_{\mathcal{T}} + \epsilon_{\mathcal{T}}$ (MLPClassifier, ZeroOneLoss and $\delta = 0.05$)

| dataset | method | MAD | $Q_1$ | $Q_2$ | $Q_3$ |
|---|---|---|---|---|---|
| optdigitsMC | $\|\mathbf{d}_+\|_1 \cdot \|\boldsymbol{\ell}_h\|_\infty$ | $0.0964 \pm 0.0447$ | 0.0567 | 0.099 | 0.1343 |
| optdigitsMC | $\|\mathbf{d}_+\|_2 \cdot \|\boldsymbol{\ell}_h\|_2$ | $0.0963 \pm 0.051$ | 0.0549 | 0.0913 | 0.1334 |
| optdigitsMC | $\|\mathbf{d}_+\|_\infty \cdot \|\boldsymbol{\ell}_h\|_1$ | $0.1 \pm 0.0545$ | 0.0557 | 0.0929 | 0.1417 |
| satimageMC | $\|\mathbf{d}_+\|_1 \cdot \|\boldsymbol{\ell}_h\|_\infty$ | $0.1163 \pm 0.0569$ | 0.0754 | 0.1123 | 0.149 |
| satimageMC | $\|\mathbf{d}_+\|_2 \cdot \|\boldsymbol{\ell}_h\|_2$ | $0.1373 \pm 0.0727$ | 0.0851 | 0.1258 | 0.1782 |
| satimageMC | $\|\mathbf{d}_+\|_\infty \cdot \|\boldsymbol{\ell}_h\|_1$ | $0.1483 \pm 0.0829$ | 0.0863 | 0.1348 | 0.197 |
| pendigitsMC | $\|\mathbf{d}_+\|_1 \cdot \|\boldsymbol{\ell}_h\|_\infty$ | $0.0659 \pm 0.0314$ | 0.0372 | 0.0678 | 0.0929 |
| pendigitsMC | $\|\mathbf{d}_+\|_2 \cdot \|\boldsymbol{\ell}_h\|_2$ | $0.0911 \pm 0.0461$ | 0.0517 | 0.091 | 0.1261 |
| pendigitsMC | $\|\mathbf{d}_+\|_\infty \cdot \|\boldsymbol{\ell}_h\|_1$ | $0.066 \pm 0.0355$ | 0.0366 | 0.0624 | 0.0935 |
| eyemovementsMC | $\|\mathbf{d}_+\|_1 \cdot \|\boldsymbol{\ell}_h\|_\infty$ | $0.2157 \pm 0.1035$ | 0.1399 | 0.2072 | 0.2837 |
| eyemovementsMC | $\|\mathbf{d}_+\|_2 \cdot \|\boldsymbol{\ell}_h\|_2$ | $0.3355 \pm 0.1674$ | 0.2053 | 0.321 | 0.4559 |
| eyemovementsMC | $\|\mathbf{d}_+\|_\infty \cdot \|\boldsymbol{\ell}_h\|_1$ | $0.4897 \pm 0.2453$ | 0.2853 | 0.4745 | 0.6749 |
| shuttleMC | $\|\mathbf{d}_+\|_1 \cdot \|\boldsymbol{\ell}_h\|_\infty$ | $0.0416 \pm 0.0219$ | 0.0222 | 0.0424 | 0.0578 |
| shuttleMC | $\|\mathbf{d}_+\|_2 \cdot \|\boldsymbol{\ell}_h\|_2$ | $0.1002 \pm 0.0513$ | 0.0577 | 0.1038 | 0.1399 |
| shuttleMC | $\|\mathbf{d}_+\|_\infty \cdot \|\boldsymbol{\ell}_h\|_1$ | $0.0372 \pm 0.0228$ | 0.0184 | 0.0341 | 0.0523 |
| connect4MC | $\|\mathbf{d}_+\|_1 \cdot \|\boldsymbol{\ell}_h\|_\infty$ | $0.2006 \pm 0.1388$ | 0.0961 | 0.1497 | 0.2864 |
| connect4MC | $\|\mathbf{d}_+\|_2 \cdot \|\boldsymbol{\ell}_h\|_2$ | $0.2532 \pm 0.1615$ | 0.136 | 0.2138 | 0.3203 |
| connect4MC | $\|\mathbf{d}_+\|_\infty \cdot \|\boldsymbol{\ell}_h\|_1$ | $0.2999 \pm 0.1874$ | 0.1541 | 0.2699 | 0.3982 |