

Table 1: SSL Comparison: Two Moons: Average (standard deviation) classification accuracy over 5 trials.

| # LABELS                                      | <b>2</b>          | <b>4</b>          | <b>8</b>          | <b>16</b>         | <b>32</b>         |
|---|-------------------|-------------------|-------------------|-------------------|-------------------|
| LAPLACE, KNN GAUSSIAN (K=5)                   | 71.0 (8.6)        | 80.1 (5.4)        | 89.5 (1.0)        | 91.7 (2.9)        | <b>93.8 (1.3)</b> |
| POISSON, KNN GAUSSIAN (K=5)                   | <b>76.2 (8.2)</b> | 81.2 (5.8)        | 85.1 (1.3)        | 83.1 (4.9)        | 83.8 (2.0)        |
| SPARSE LABEL PROPAGATION, KNN GAUSSIAN (K=5)  | 73.1 (10.9)       | 81.0 (5.3)        | <b>90.0 (0.8)</b> | <b>92.6 (2.7)</b> | 93.7 (1.6)        |
| RANDOM WALK, KNN GAUSSIAN (K=5)               | 72.4 (9.8)        | <b>82.1 (5.2)</b> | 89.3 (2.2)        | 90.0 (2.1)        | 93.2 (0.9)        |
| DYNAMIC LABEL PROPAGATION, KNN GAUSSIAN (K=5) | 56.8 (1.5)        | 61.5 (2.3)        | 71.1 (1.5)        | 79.4 (5.1)        | 88.4 (2.2)        |