Tables

TABLE 1: PRECISION SCORES FOR THE BASELINES AND OUR APPROACH ACROSS THE 5 CROSS-VALIDATION ZONES AND OVERALL. BEST RESULTS ARE UNDERLINED.

Approach	Zone 1	Zone 2	Zone 3	Zone 4	Zone 5	Global
No-neighbors	0.90 ± 0.02	0.77 ± 0.08	0.77 ± 0.06	0.83 ± 0.04	0.85 ± 0.04	0.82 ± 0.05
Neighbors MLP	0.89 ± 0.03	0.81 ± 0.06	0.81 ± 0.07	0.89 ± 0.05	$\underline{0.90} \pm 0.02$	0.86 ± 0.04
Our GCN	$\underline{0.92} \pm 0.04$	$\underline{0.83} \pm 0.09$	$\underline{0.89} \pm 0.04$	$\underline{0.91} \pm 0.06$	$\underline{0.90} \pm 0.02$	$\underline{0.89} \pm 0.03$

TABLE 2: RECALL SCORES FOR THE BASELINES AND OUR APPROACH ACROSS THE 5 CROSS-VALIDATION ZONES AND OVERALL. BEST RESULTS ARE UNDERLINED.

Approach	Zone 1	Zone 2	Zone 3	Zone 4	Zone 5	Global
No-neighbors	0.84 ± 0.03	0.65 ± 0.21	0.65 ± 0.16	0.77 ± 0.06	0.92 ± 0.04	0.77 ± 0.11
Neighbors MLP	0.85 ± 0.06	0.72 ± 0.07	$\underline{0.75} \pm 0.08$	0.81 ± 0.06	0.87 ± 0.04	0.80 ± 0.06
Our GCN	$\underline{0.95} \pm 0.05$	$\underline{0.90} \pm 0.09$	$\underline{0.75} \pm 0.06$	$\underline{0.83} \pm 0.09$	$\underline{0.97} \pm 0.02$	$\underline{0.88} \pm 0.08$

TABLE 3: F1 SCORES FOR THE BASELINES AND OUR APPROACH ACROSS THE 5 CROSS-VALIDATION ZONES AND OVERALL. BEST RESULTS ARE UNDERLINED.

Approach	Zone 1	Zone 2	Zone 3	Zone 4	Zone 5	Global
No-neighbors	0.87 ± 0.01	0.67 ± 0.12	0.68 ± 0.10	0.80 ± 0.02	0.88 ± 0.02	0.78 ± 0.09
Neighbors MLP	0.87 ± 0.03	0.76 ± 0.03	0.77 ± 0.04	0.84 ± 0.02	0.88 ± 0.02	0.83 ± 0.05
Our GCN	$\underline{0.93} \pm 0.02$	$\underline{0.85} \pm 0.04$	$\underline{0.81} \pm 0.03$	$\underline{0.86} \pm 0.04$	$\underline{0.94} \pm 0.01$	$\underline{0.88} \pm 0.05$

TABLE 4: KAPPA SCORES FOR THE BASELINES AND OUR APPROACH ACROSS THE 5 CROSS-VALIDATION ZONES AND OVERALL. BEST RESULTS ARE UNDERLINED.

Approach	Zone 1	Zone 2	Zone 3	Zone 4	Zone 5	Global
No-neighbors	0.75 ± 0.03	0.43 ± 0.10	0.43 ± 0.08	0.61 ± 0.03	0.75 ± 0.04	0.59 ± 0.14
Neighbors MLP	0.74 ± 0.04	0.55 ± 0.06	0.56 ± 0.09	0.70 ± 0.04	0.76 ± 0.03	0.66 ± 0.09
Our GCN	$\underline{0.86} \pm 0.03$	$\underline{0.69} \pm 0.09$	$\underline{0.66} \pm 0.04$	$\underline{0.74} \pm 0.05$	$\underline{0.87} \pm 0.02$	$\underline{0.76} \pm 0.09$

TABLE 5: GLOBAL CROSS-VALIDATION AVERAGES FOR ALL FOUR METRICS. BEST RESULTS ARE UNDERLINED.

Approach	Precision	Recall	F1-score	Kappa
No-neighbors	0.82 ± 0.05	0.77 ± 0.11	0.78 ± 0.09	0.59 ± 0.14
Neighbors MLP	0.86 ± 0.04	0.80 ± 0.06	0.83 ± 0.05	0.66 ± 0.09
Our GCN	$\underline{0.89} \pm 0.03$	$\underline{0.88} \pm 0.08$	$\underline{0.88} \pm 0.05$	$\underline{0.76} \pm 0.09$