Table 1: **English Validation results** of the user-char-lr model. n shows the number of training users and s the total training size. Top results are highlighted with **bold**.

		Gender		Age		Hate Speech		Bots		Fake News		Depression	
n	Inst. Sel.	s	F_1	s	F_1	s	F_1	s	F_1	s	F_1	s	F_1
8	Ra_1	16	$39.9_{9.5}$	32	$26.1_{7.3}$	16	$38.0_{6.8}$	16	$46.6_{18.1}$	16	$44.5_{8.8}$	29	$13.4_{6.9}$
	Ra_{50}	800	$61.0_{5.4}$	$1,1k$	$\mathbf{41.5}_{8.8}$	800	$54.6_{9.9}$	800	$82.7_{2.9}$	800	$52.8_{9.2}$	$1,3k$	$25.2_{5.2}$
	IS	257	$53.7_{3.1}$	361	$36.4_{2.3}$	348	$49.2_{14.6}$	191	$78.7_{7.4}$	203	$45.7_{8.5}$	$1,9k$	$21.3_{4.9}$
16	Ra_1	32	$48.4_{11.8}$	46	$27.4_{8.4}$	32	$41.8_{9.8}$	32	$68.7_{10.0}$	32	$43.5_{9.4}$	45	$11.6_{3.9}$
	Ra_{50}	$1,6k$	$61.2_{4.2}$	$2,3k$	$40.7_{3.6}$	$1,6k$	$56.0_{8.9}$	$1,6k$	$88.3_{1.3}$	$1,6k$	$58.2_{9.1}$	$2,2k$	$24.2_{6.4}$
	IS	501	$53.3_{10.0}$	611	$38.3_{3.0}$	697	$52.1_{6.7}$	385	$80.2_{5.6}$	432	$48.7_{11.7}$	$2,9k$	$\mathbf{25.5}_{8.9}$
32	Ra_1	64	$42.6_{7.0}$	78	$28.3_{8.4}$	64	$44.0_{10.4}$	64	$73.5_{11.0}$	64	$39.1_{7.2}$	-	-
	Ra_{50}	$3,2k$	$66.3_{3.2}$	$3,9k$	$35.2_{4.3}$	$3,2k$	$52.2_{9.9}$	$3,2k$	$89.4_{1.2}$	$3,2k$	$64.9_{5.8}$	-	-
	IS	$1,0k$	$56.7_{9.1}$	$1,0k$	$31.7_{2.5}$	$1,4k$	$49.1_{8.8}$	756	$83.6_{2.8}$	880	$56.3_{10.0}$	-	-
48	Ra_1	96	$42.3_{8.9}$	-	-	96	$42.5_{8.9}$	96	$71.4_{13.7}$	96	$43.4_{2.6}$	-	-
	Ra_{50}	$4,8k$	$69.5_{1.3}$	-	-	$4,8k$	$58.8_{9.2}$	$4,8k$	$91.4_{1.2}$	$4,8k$	$67.9_{4.2}$	-	-
	IS	$1,5k$	$60.1_{9.3}$	-	-	$2,1k$	$52.3_{10.3}$	$1,1k$	$84.8_{1.9}$	$1,3k$	$58.3_{10.5}$	-	-
64	Ra_1	128	$47.7_{9.6}$	-	-	128	$40.1_{5.7}$	128	$75.9_{7.4}$	128	$40.5_{8.5}$	-	-
	Ra_{50}	$6,4k$	$69.9_{3.6}$	-	-	$6,4k$	$57.2_{8.5}$	$6,4k$	$91.4_{1.2}$	$6,4k$	$\mathbf{66.4}_{4.7}$	-	-
	IS	$2,0k$	$62.2_{7.2}$	-	-	2,2	$\mathbf{59.8}_{6.4}$	$1,5k$	$84.6_{3.3}$	$1,8k$	$59.5_{7.6}$	-	-
128	Ra_1	256	$50.6_{11.1}$	-	-	-	-	256	$77.8_{7.1}$	-	-	-	-
	Ra_{50}	$12,8k$	$73.5_{1.8}$	-	-	-	-	$12,8k$	$91.8_{1.1}$	-	-	-	-
	IS	$4,0k$	$67.5_{3.0}$	-	-	-	-	$3,0k$	$85.2_{2.0}$	-	-	-	-
256	Ra_1	512	$61.4_{4.8}$	-	-	-	-	512	$82.1_{5.2}$	-	-	-	-
	Ra_{50}	$25,6k$	$75.4_{1.3}$	-	-	-	-	$25,6k$	$93.2_{1.3}$	-	-	-	-
	IS	$8,0k$	$72.8_{1.5}$	-	-	-	-	$6,0k$	$87.0_{1.7}$	-	-	-	-
512	Ra_1	$1,0k$	$64.3_{5.4}$	-	-	-	-	$1,0k$	$86.1_{1.5}$	-	-	-	-
	Ra_{50}	$51,2k$	$\mathbf{78.7}_{2.0}$	-	-	-	-	$51,2k$	$\mathbf{95.0}_{1.1}$	-	-	-	-
	IS	$16,0k$	$77.2_{1.3}$	-	-	-	-	$11,9k$	$88.1_{1.7}$	-	-	-	-

Table 2: **Spanish Validation results** of the user-char-lr model. n shows the number of training users and s the total training size. Top results are highlighted with **bold**.

		Gender		Age		Hate Speech		Bots		Fake News	
n	Inst. Sel.	s	F_1	s	F_1	s	F_1	s	F_1	s	F_1
8	Ra_1	16	$40.0_{5.2}$	32	$17.2_{6.8}$	16	$43.5_{8.0}$	16	$57.4_{17.5}$	16	$40.3_{11.8}$
	Ra_{50}	800	$53.4_{9.1}$	$1,6k$	$\mathbf{48.7}_{12.3}$	800	$63.6_{13.1}$	800	$76.4_{10.2}$	800	$57.2_{5.7}$
	IS	257	$45.0_{6.3}$	361	$38.4_{4.2}$	348	$56.9_{14.4}$	191	$72.6_{10.5}$	203	$47.8_{7.7}$
16	Ra_1	32	$37.9_{4.2}$	46	$15.2_{3.9}$	32	$38.5_{7.1}$	32	$54.5_{8.2}$	32	$45.2_{10.1}$
	Ra_{50}	$1,6k$	$58.2_{4.0}$	$2,3k$	$41.5_{13.4}$	$1,6k$	$68.9_{6.3}$	$1,6k$	$81.5_{8.9}$	$1,6k$	$61.5_{6.0}$
	IS	501	$46.3_{6.7}$	611	$33.3_{9.5}$	697	$65.3_{12.3}$	385	$77.8_{9.0}$	432	$54.2_{5.2}$
32	Ra_1	64	$35.4_{1.1}$	-	-	64	$47.6_{14.2}$	64	$55.1_{10.4}$	64	$42.9_{8.4}$
	Ra_{50}	$3,2k$	$62.5_{3.1}$	-	-	$3,2k$	$73.5_{4.9}$	$3,2k$	$85.9_{4.2}$	$3,2k$	$69.6_{2.6}$
	IS	$1,0k$	$58.9_{4.8}$	-	-	$1,4k$	$70.5_{3.9}$	756	$80.0_{6.1}$	880	$58.9_{9.4}$
48	Ra_1	96	$42.3_{10.0}$	-	-	96	$42.2_{13.6}$	96	$61.9_{8.1}$	96	$41.7_{5.2}$
	Ra_{50}	$4,8k$	$64.7_{1.9}$	-	-	$4,8k$	$73.8_{4.7}$	$4,8k$	$88.1_{1.9}$	$4,8k$	$72.5_{3.6}$
	IS	$1,5k$	$59.5_{7.1}$	-	-	$2,0k$	$74.2_{5.1}$	$1,1k$	$82.3_{2.5}$	$1,3k$	$69.1_{6.3}$
64	Ra_1	128	$41.8_{8.4}$	-	-	128	$46.9_{13.3}$	128	$68.2_{9.3}$	128	$44.9_{5.3}$
	Ra_{50}	$6,4k$	$66.6_{2.0}$	-	-	$6,4k$	$\mathbf{74.4}_{4.7}$	$6,4k$	$88.5_{1.7}$	$6,4k$	$\mathbf{73.7}_{4.0}$
	IS	$2,0k$	$63.3_{2.6}$	-	-	$2,2k$	$74.2_{7.6}$	$1,5k$	$84.1_{1.6}$	$1,8k$	$68.4_{8.9}$
128	Ra_1	256	$46.0_{10.5}$	-	-	-	-	256	$79.6_{3.1}$	-	-
	Ra_{50}	$12,8k$	$68.9_{2.2}$	-	-	-	-	$12,8k$	$90.7_{1.3}$	-	-
	IS	$4,0k$	$65.5_{2.5}$	-	-	-	-	$3,0k$	$85.8_{1.8}$	-	-
256	Ra_1	512	$51.0_{12.7}$	-	-	-	-	512	$80.2_{3.9}$	-	-
	Ra_{50}	$25,6k$	$70.4_{3.5}$	-	-	-	-	$25,6k$	$92.4_{1.7}$	-	-
	IS	$8,0k$	$65.4_{3.3}$	-	-	-	-	$6,0k$	$87.2_{1.4}$	-	-
512	Ra_1	$1,0k$	$50.5_{13.7}$	-	-	-	-	$1,0k$	$84.7_{2.2}$	-	-
	Ra_{50}	$51,2k$	$\mathbf{72.2}_{2.0}$	-	-	-	-	$51,2k$	$\mathbf{94.0}_{1.7}$	-	-
	IS	$16,0k$	$68.8_{1.7}$	-	-	-	-	$11,9k$	$89.2_{2.0}$	-	-