

| Name         | Type | Algo.   | Features   | # Ftrs | Window |         | Scores  |          |
|--------------|------|---------|--|--------|--------|---------|---------|----------|
|              |      |         |  |        |        | P       | R       | F1       |
| ddi006m65    | DDI  | LSVM    | +ort $++$  | 80     | -3:+3  | 0,6513  | 0,448   | 0.5308   |
| GOIIIOOOIIDD | וטטו | LOVIVI  | +OI $t++$  | 80     | -3:+3  | macro-P | macro-R | macro-F1 |
|              |      |         |  |        |        | 0,5778  | 0,3415  | 0.4293   |
|              |      |         |  |        |        | P       | R       | F1       |
| 14:00666     | DDI  | LSVM    | l mag l l  | 32     | -3:+3  | 0,6513  | 0,448   | 0.5308   |
| ddi006m66    | וטטו | LOVINI  | +pos++   | 32     | -9:+9  | macro-P | macro-R | macro-F1 |
|              |      |         |  |        |        | 0,5778  | 0,3415  | 0.4293   |
|              |      |         |  |        |        | P       | R       | F1       |
| 11:00070     | DDI  | LSVM    | +lm,pos,ch,chg,lo,ort $+$ tw,tri,tl,tp $+$ sent      | 257    | -3:+3  | 0,6513  | 0,448   | 0.5308   |
| ddi006m70    | וטטו | LOVINI  | +im,pos,cn,cng,io,ort $+$ tw,tri,ti,tp $+$ sent      | 237    | -9:+9  | macro-P | macro-R | macro-F1 |
|              |      |         |  |        |        | 0,5778  | 0,3415  | 0.4293   |
|              |      |         |  |        |        | P       | R       | F1       |
| 11:000 71    | DDI  | TCMA    |  | 110    | 9 9    | 0,6513  | 0,448   | 0.5308   |
| ddi006m71    | DDI  | LSVM    | $+\mathrm{pos,ort}+\mathrm{tw,tri}+\mathrm{sent}$    | 110    | -3:+3  | macro-P | macro-R | macro-F1 |
|              |      |         |  |        |        | 0,5778  | 0,3415  | 0.4293   |
|              |      |         |  |        |        | P       | R       | F1       |
| 11:00# 0#    | DDI  | TONA    |  | 00     |        | 0,6513  | 0,448   | 0.5308   |
| ddi007m65    | DDI  | I LSVM  | +ort $+$ +   | 80     | -3:+3  | macro-P | macro-R | macro-F1 |
|              |      |         |  |        |        | 0,5778  | 0,3415  | 0.4293   |
|              |      |         |  |        |        | P       | R       | F1       |
| 11:007 66    | DDI  | LSVM    | +pos++   | 32     | -3:+3  | 0,6513  | 0,448   | 0.5308   |
| ddi007m66    | וטטו |         |  |        |        | macro-P | macro-R | macro-F1 |
|              |      |         |  |        |        | 0,5778  | 0,3415  | 0.4293   |
|              |      |         |  |        |        | P       | R       | F1       |
| 11:007 70    | DDI  | LSVM    | + lm, pos, ch, chg, lo, ort + tw, tri, tl, tp + sent | 057    | 9 9    | 0,6513  | 0,448   | 0.5308   |
| ddi007m70    | וטטו |         |  | 257    | -3:+3  | macro-P | macro-R | macro-F1 |
|              |      |         |  |        |        | 0,5778  | 0,3415  | 0.4293   |
|              |      |         |  |        |        | P       | R       | F1       |
| ddi007m71    | DDI  | LSVM    |  | 110    | -3:+3  | 0,6513  | 0,448   | 0.5308   |
| dd1007m71    | וטטו | LSVM    | $+{ m pos,ort+tw,tri+sent}$                          |        | -9:+9  | macro-P | macro-R | macro-F1 |
|              |      |         |  |        |        | 0,5778  | 0,3415  | 0.4293   |
|              |      |         |  |        |        | P       | R       | F1       |
| ddi006m44    | DDI  | LSVM    | +ort $+$ +   | 00     | -3:+3  | 0,523   | 0,4762  | 0.4985   |
|              | DDI  |         |  | 88     |        | macro-P | macro-R | macro-F1 |
|              |      |         |  |        |        | 0,4129  | 0,3122  | 0.3556   |
|              |      |         |  |        |        | P       | R       | F1       |
| 11:000 54    | DDI  | DI LSVM | +ort $+$ +   | 88     | -3:+3  | 0,523   | 0,4762  | 0.4985   |
| ddi006m54    | DDI  |         |  |        |        | macro-P | macro-R | macro-F1 |
|              |      |         |  |        |        | 0,4129  | 0,3122  | 0.3556   |

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|                | Type | Algo.      | Features                                 | # Ftrs | Window |         | Scores  |          |
|----------------|------|------------|--|--------|--------|---------|---------|----------|
|                |      |            |  |        |        | P       | R       | F1       |
| ddi006m6 D     | DDI  | LSVM       |  | 254    | -3:+3  | 0,5847  | 0,457   | 0.513    |
|                | וטטו | LOVINI     | + lm, pos, ch, chg, lo, ort + tw + sent  | 204    | -9:+9  | macro-P | macro-R | macro-F1 |
|                |      |            |  |        |        | 0,4097  | 0,2806  | 0.3331   |
|                |      |            |  |        |        | Р       | R       | F1       |
| dd:006m 7      | DDI  | LSVM       | + lm, pos, ch, chg, lo, ort + tw + sent  | 254    | 9. + 9 | 0,5847  | 0,457   | 0.513    |
| ddi006m7       | וטטו | LOVINI     |  | 204    | -3:+3  | macro-P | macro-R | macro-F1 |
|                |      |            |  |        |        | 0,4097  | 0,2806  | 0.3331   |
|                |      |            |  |        |        | P       | R       | F1       |
| 11:0000        | DDI  | LSVM       | the mag shahala ant this good            | 254    | 2. + 2 | 0,5847  | 0,457   | 0.513    |
| ddi006m8       | DDI  | L LS V IVI | + lm, pos, ch, chg, lo, ort + tri + sent | 254    | -3:+3  | macro-P | macro-R | macro-F1 |
|                |      |            |  |        |        | 0,4097  | 0,2806  | 0.3331   |
|                |      |            |  |        | -3:+3  | Р       | R       | F1       |
| 11:000 0       | DDI  | LSVM       |  | 25.4   |        | 0,5847  | 0,457   | 0.513    |
| ddi006m9       | DDI  | LSVM       | + lm, pos, ch, chg, lo, ort + tri + sent | 254    |        | macro-P | macro-R | macro-F1 |
|                |      |            |  |        |        | 0,4097  | 0,2806  | 0.3331   |
|                |      | LSVM       | + pos, ort + tw, tri, tl, tp + sent      |        | -3:+3  | P       | R       | F1       |
| 11:000 00      | DDI  |            |  | 110    |        | 0,5554  | 0,4649  | 0.5062   |
| ddi006m22      | DDI  |            |  | 113    |        | macro-P | macro-R | macro-F1 |
|                |      |            |  |        |        | 0,3971  | 0,286   | 0.3325   |
|                |      | LSVM       | VM +pos,ort+tw,tri,tl,tp+sent            |        | -3:+3  | P       | R       | F1       |
|                | DDI  |            |  | 113    |        | 0,5554  | 0,4649  | 0.5062   |
| ddi006m23      | DDI  |            |  |        |        | macro-P | macro-R | macro-F1 |
|                |      |            |  |        |        | 0,3971  | 0,286   | 0.3325   |
|                |      |            |  |        |        | P       | R       | F1       |
| 11:000 04      | DDI  | LSVM       | + pos, ort ++ sent                       | 109    | -3:+3  | 0,5554  | 0,4649  | 0.5062   |
| ddi006m24notop | DDI  |            |  |        |        | macro-P | macro-R | macro-F1 |
|                |      |            |  |        |        | 0,3971  | 0,286   | 0.3325   |
|                |      |            |  |        |        | P       | R       | F1       |
| 11:000 05 4    | DDI  | LSVM       | +pos,ort $+$ +sent                       | 100    | -3:+3  | 0,5554  | 0,4649  | 0.5062   |
| ddi006m25notop | DDI  |            |  | 109    |        | macro-P | macro-R | macro-F1 |
|                |      |            |  |        |        | 0,3971  | 0,286   | 0.3325   |
|                |      |            |  |        |        | Р       | R       | F1       |
| 11'000 00      | DDI  | 103734     |  | 110    | -3:+3  | 0,5554  | 0,4649  | 0.5062   |
| ddi006m26      | DDI  | LSVM       | +pos,ort+tw+sent                         | 110    |        | macro-P | macro-R | macro-F1 |
|                |      |            |  |        |        | 0,3971  | 0,286   | 0.3325   |
|                |      |            |  |        |        | P       | R       | F1       |
| 111000 27      | DDI  | T 0373.5   | + pos, ort + tw + sent                   | 110    | -3:+3  | 0,5554  | 0,4649  | 0.5062   |
| ddi006m27      | DDI  | LSVM       |  | 110    |        | macro-P | macro-R | macro-F1 |
|                |      |            |  |        |        | 0,3971  | 0,286   | 0.3325   |
|                |      |            |  |        |        | P       | R       | F1       |
|                |      | LSVM       |  | 110    |        | 0,5554  | 0,4649  | 0.5062   |

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| Name           | Type | Algo.    | Features  | # Ftrs | Window |         | Scores  |          |
|----------------|------|----------|---|--------|--------|---------|---------|----------|
|                |      |          |   |        |        | P       | R       | F1       |
| dd:007m 7.4    | DDI  | TOMA     | 1 1   | 00     | 2 2    | 0,338   | 0,2526  | 0.2892   |
| ddi007m54      | DDI  | LSVM     | +ort $++$   | 88     | -3:+3  | macro-P | macro-R | macro-F1 |
|                |      |          |   |        |        | 0,3537  | 0,1241  | 0.1837   |
|                |      |          |   |        |        | P       | R       | F1       |
| 11:007 40      | DDI  | TOMA     | last alst a sank  | 40     | 2 2    | 0,3509  | 0,2105  | 0.2632   |
| ddi007m48      | DDI  | LSVM     | + lm, chg, ort + +  | 40     | -3:+3  | macro-P | macro-R | macro-F1 |
|                |      |          |   |        |        | 0,2361  | 0,1073  | 0.1475   |
|                |      |          |   |        |        | P       | R       | F1       |
| 1.1:007 46     | DDI  | LSVM     | l mag l l   | 32     | 2. + 2 | 0,3538  | 0,2421  | 0.2875   |
| ddi007m46      | וטטו | LSVM     | +pos++  | 32     | -3:+3  | macro-P | macro-R | macro-F1 |
|                |      |          |   |        |        | 0,1956  | 0,1154  | 0.1451   |
|                |      |          |   |        |        | P       | R       | F1       |
| ddi003m2       | DDI  | LSVM     |   | 0      | -3:+3  | 0,3136  | 0,1437  | 0.1971   |
| ddi003iii2     | וטטו | LOVIVI   | +++   |        |        | macro-P | macro-R | macro-F1 |
|                |      |          |   |        |        | 0,1739  | 0,0612  | 0.0906   |
|                |      |          |   |        |        | Р       | R       | F1       |
| ddi005m2       | DDI  | LSVM     | +++   | 0      | -3:+3  | 0,2615  | 0,1154  | 0.1601   |
| ddioosiii2     | וטטו | LSVIVI   | 777   | O      | -55    | macro-P | macro-R | macro-F1 |
|                |      |          |   |        |        | 0,1595  | 0,0589  | 0.0861   |
|                |      |          |   |        |        | P       | R       | F1       |
| ddi006m10      | DDI  | LSVM     | +lm,pos,ch,chg,lo,ort $+$ tl $+$ sent   | 254    | -3:+3  | 0,321   | 0,0588  | 0.0994   |
| ddioooiii10    |      | LOVIVI   | +mi,pos,cn,cng,io,ort+tr+sent   | 204    | -5.⊤5  | macro-P | macro-R | macro-F1 |
|                |      |          |   |        |        | 0,1319  | 0,0218  | 0.0374   |
|                | DDI  | DDI LSVM | + lm, pos, ch, chg, lo, ort + tl + sent   | 254    | -3:+3  | P       | R       | F1       |
| ddi006m11      |      |          |   |        |        | 0,321   | 0,0588  | 0.0994   |
| ddioooniii     |      |          |   |        |        | macro-P | macro-R | macro-F1 |
|                |      |          |   |        |        | 0,1319  | 0,0218  | 0.0374   |
|                |      |          |   |        |        | Р       | R       | F1       |
| ddi006m2       | DDI  | LSVM     | $ \left  \begin{array}{c} +\text{lm,pos,ch,chg,lo,ort+tw,tri,tl,tp+sent} \end{array} \right $ | 257    | -3:+3  | 0,321   | 0,0588  | 0.0994   |
| ddioooniz      |      |          |   |        |        | macro-P | macro-R | macro-F1 |
|                |      |          |   |        |        | 0,1319  | 0,0218  | 0.0374   |
|                |      |          |   |        |        | P       | R       | F1       |
| ddi006m22      | DDI  | LSVM     | +nos ort+tw tri tl tn+sent  | 113    | -3:+3  | 0,321   | 0,0588  | 0.0994   |
| dd100011122    |      | LIS A IM | +pos, ort+tw, tri, tl, tp+sent  | 113    | -9:+9  | macro-P | macro-R | macro-F1 |
|                |      |          |   |        |        | 0,1319  | 0,0218  | 0.0374   |
|                |      | LSVM     | + pos, ort + tw, tri, tl, tp + sent   |        | -3:+3  | P       | R       | F1       |
| ddi006m23      | DDI  |          |   | 113    |        | 0,321   | 0,0588  | 0.0994   |
| ddioddiii20    |      |          |   |        |        | macro-P | macro-R | macro-F1 |
|                |      |          |   |        |        | 0,1319  | 0,0218  | 0.0374   |
|                |      |          |   |        |        | P       | R       | F1       |
| ddi006m24notop | DDI  | LSVM     | +pos.ort $++$ sent  | 109    | -3:+3  | 0,321   | 0,0588  | 0.0994   |

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| Name                | Type | Algo.  | Features   | # Ftrs | Window  |         | Scores  |          |
|---------------------|------|--------|--|--------|---------|---------|---------|----------|
|                     |      |        |  |        |         | P       | R       | F1       |
| ddi006mm11          | DDI  | LSVM   | +lm,pos,ch,chg,lo,ort $+$ tl $+$ sent                | 254    | -3:+3   | 0,321   | 0,0588  | 0.0994   |
| ddioooliiii11       | וטטו | LOVIVI | +mi,pos,cn,cng,io,ort+ti+sent                        | 204    | -o:+o   | macro-P | macro-R | macro-F1 |
|                     |      |        |  |        |         | 0,1319  | 0,0218  | 0.0374   |
|                     |      |        |  |        |         | P       | R       | F1       |
| ddi006mm2           | DDI  | LSVM   | +lm,pos,ch,chg,lo,ort+tw,tri,tl,tp+sent              | 257    | -3:+3   | 0,321   | 0,0588  | 0.0994   |
| ddioooniiiiz        |      | LOVIVI | +im,pos,cn,cng,io,ore+ew,err,er,ep+sene              |        | -5.+5   | macro-P | macro-R | macro-F1 |
|                     |      |        |  |        |         | 0,1319  | 0,0218  | 0.0374   |
|                     |      |        |  |        |         | P       | R       | F1       |
| ddi006mm22          | DDI  | LSVM   | +pos,ort $+$ tw,tri,tl,tp $+$ sent                   | 113    | -3:+3   | 0,321   | 0,0588  | 0.0994   |
| ddioddiiiii22       |      | LOVIVI | pos,ore rew,err,er,ep rsent                          | 110    | -5.   5 | macro-P | macro-R | macro-F1 |
|                     |      |        |  |        |         | 0,1319  | 0,0218  | 0.0374   |
|                     |      |        |  |        |         | P       | R       | F1       |
| ddi006mm23          | DDI  | LSVM   | +pos,ort $+$ tw,tri,tl,tp $+$ sent                   | 113    | -3:+3   | 0,321   | 0,0588  | 0.0994   |
| ddi000iiiii25       |      | LOVIVI | +pos,ort+tw,tr1,t1,tp+sent                           | 110    |         | macro-P | macro-R | macro-F1 |
|                     |      |        |  |        |         | 0,1319  | 0,0218  | 0.0374   |
|                     |      |        |  |        |         | P       | R       | F1       |
| ddi006mm24notop     | DDI  | LSVM   | +pos,ort $++$ sent                                   | 109    | -3:+3   | 0,321   | 0,0588  | 0.0994   |
| ddiodomin24notop    | DDI  | LSVIVI | +pos,ort++sent                                       | 109    | -5.   5 | macro-P | macro-R | macro-F1 |
|                     |      |        |  |        |         | 0,1319  | 0,0218  | 0.0374   |
|                     |      |        |  |        |         | P       | R       | F1       |
| ddi006mm25notop     | DDI  | LSVM   | +pos,ort $++$ sent                                   | 109    | -3:+3   | 0,321   | 0,0588  | 0.0994   |
| ddioddiniii25iiotop |      | LSVM   | +pos,ort++sent                                       | 109    | -5.+5   | macro-P | macro-R | macro-F1 |
|                     |      |        |  |        |         | 0,1319  | 0,0218  | 0.0374   |
|                     | DDI  | LSVM   | $+\mathrm{pos,ort}+\mathrm{tw}+\mathrm{sent}$        | 110    | -3:+3   | P       | R       | F1       |
| ddi006mm26          |      |        |  |        |         | 0,321   | 0,0588  | 0.0994   |
| ddioddiniii20       |      |        |  |        |         | macro-P | macro-R | macro-F1 |
|                     |      |        |  |        |         | 0,1319  | 0,0218  | 0.0374   |
|                     |      |        |  |        |         | P       | R       | F1       |
| ddi006mm27          | DDI  | LSVM   | +pos ort+tw+sent                                     | 110    | -3:+3   | 0,321   | 0,0588  | 0.0994   |
| ddioddiniii27       |      | LSVM   | +pos,ort+tw+sent                                     | 110    | -5.+5   | macro-P | macro-R | macro-F1 |
|                     |      |        |  |        |         | 0,1319  | 0,0218  | 0.0374   |
|                     |      |        |  |        |         | P       | R       | F1       |
| ddi006mm28          | DDI  | LSVM   | +pos,ort $+$ tri $+$ sent                            | 110    | 2. + 2  | 0,321   | 0,0588  | 0.0994   |
| ddi000iiiii128      | וטטו | LSVM   | +pos,ort+trr+sent                                    | 110    | -3:+3   | macro-P | macro-R | macro-F1 |
|                     |      |        |  |        |         | 0,1319  | 0,0218  | 0.0374   |
|                     |      | LSVM   |  |        |         | Р       | R       | F1       |
| ddi006mm3           | DDI  |        | + lm, pos, ch, chg, lo, ort + tw, tri, tl, tp + sent | 257    | -3:+3   | 0,321   | 0,0588  | 0.0994   |
| danooniiii 3        | וטע  |        |  |        |         | macro-P | macro-R | macro-F1 |
|                     |      |        |  |        |         | 0,1319  | 0,0218  | 0.0374   |
|                     |      |        |  |        |         | P       | R       | F1       |
| BDDI007mm10         | DDI  | LSVM   | +lm,pos,ch,chg,lo,ort $+$ tl $+$ sent                | 254    | -3:+3   | 0,321   | 0,0588  | 0.0994   |