1. **Team members:**

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1. **The entity type that you have decided to extract:**

People’s names

For example, "Elon Musk has three wives", we extract “Elon Musk”.

1. **The total number of mentions that you have marked up:**

2036

1. **the number of documents in set I, the number of mentions in set I.**

200, 1261

1. **the number of documents in set J, the number of mentions in set J.**

100, 775

1. **the type of the classifier that you selected after performing cross validation on set I \*the first time\*, and the precision, recall, F1 of this classifier (on set I). This classifier is referred to as classifier M in the description above.**

Random forest

We conducted CV five times per classifier.

|  |  |
| --- | --- |
| Precision | 0.931507 |
| Recall | 0.262548 |
| F1 | 0.409639 |
| Precision | 1 |
| Recall | 0.403974 |
| F1 | 0.575472 |
| Precision | 0.866071 |
| Recall | 0.459716 |
| F1 | 0.600619 |
| Precision | 0.942446 |
| Recall | 0.342932 |
| F1 | 0.502879 |
| Precision | 0.933649 |
| Recall | 0.382524 |
| F1 | 0.5427 |
| Precision | 0.612903 |
| Recall | 0.586873 |
| F1 | 0.599606 |

1. **the type of the classifier that you have finally settled on \*before\* the rule-based postprocessing step, and the precision, recall, F1 of this classifier (on set J). This classifier is referred to as classifier X in the description above.**

Decision tree

|  |  |
| --- | --- |
| Precision | 0.916505 |
| Recall | 0.609032 |
| F1 | 0.731783 |

1. **if you have done any rule-based post-processing, then give examples of rules that you have used, and describe where can we find all the rules (e.g., is it in the code directory somewhere?).**

No

1. **Report the precision, recall, F1 of classifier Y (see description above) on set J. This is the final classifier (plus rule-based post-processing if you have done any).**

Decision tree

|  |  |
| --- | --- |
| Precision | 0.916505 |
| Recall | 0.609032 |
| F1 | 0.731783 |