Overview of the Shared Tasks at CLIN 2015

`http://wordpress.let.vupr.nl/clin26/shared-task/`

shared task

Shared Task

- also known as *challenge*
- evaluating systems on the same data for a proper comparison
- assessing (and sharing) state of the art systems and methods
- converging efforts on common interests
- creating data
- example: Semeval campaigns (Semeval 2015)

Shared Task

Procedure:

- research groups or programme committees propose a series of tasks
- the shared task's organisers make a sample available
- teams register
- teams receive training data
- teams develop their systems
- teams receive test data
- after about one week teams return their outputs/systems to the organisers
- organisers evaluate systems according to predefined metrics
- teams and organisers write reports
- workshop(s)

Tasks

Participants can join in one or more of the following tasks:

- Entity Recognition
- Entity Disambiguation
- Event Detection
- Event Factuality Classification
- Entity coreference
- Event coreference

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- Entity Recognition
- Entity Disambiguation $\Big\}$ Entity Recognition and Disambiguation

- Event Detection
- Event Factuality Classification $\Big\}$ Event Recognition and Factuality

- Entity coreference
- Event coreference $\Big\}$ Entity and Event Coreference

Data

"The full corpus consists of 120 files. They consist of Dutch translations of English WikiNews articles. The first 5 sentences have been annotated according to the NewsReader annotation guidelines for Dutch (Schoen et al. 2014). We provide 30 documents as a development corpus. The other 90 documents will be used for evaluation. Some main characteristics are provided at the bottom of this page after the downloads."

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Notes:

- There is data in other languages: "The original corpus consists of 4 subcorpora from English Wikinews, each containing 30 files about a certain topic. These 120 files where translated into Dutch, Spanish and Italian. The first five sentences of each article were annotated in all four languages according to the same principles."
- The full text with token and sentence identifiers in basic XML format is available. (Not for sample data, though)
- Annotated sample data is in English!

Remarks on Entities

The entity annotations include all entities, including embedded ones. The data has the following properties:

- All entities (not only named entities) are annotated
- The full descriptive span is annotated
- If an entity contains other entities, these are annotated as well
  For instance [De directeur van [Ford]] consists of the person the director of Ford and the organization Ford. Likewise in [Dallas, [Texas]], the span Dallas, Texas is annotated as one entity and Texas as another.

Remarks on Factuality

Factuality annotations consist of two values:

- CERTAINTY: with values *certain*, *probable*, *possible* and *unknown*
- POLARITY: with values *positive*, *negative* and *unknown*

Together, they can be mapped directly to the annotation values used in
FactBank.

Entity Recognition and Disambiguation

sample data (CoNLL format)

Event Recognition and Factuality

sample data (CoNLL format)

Entity and Event coreference

sample data (CoNLL format)

Entity and Event coreference

scratch | 89284_Apple_to_lower_UK_iTunes_prices_dutch.txt.xml | 89284_Apple_to_lower_UK_iTunes_price

```
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  <token t_id="2" sentence="0" number="1">verlaagt</token>
  <token t_id="3" sentence="0" number="2">prijzen</token>
  <token t_id="4" sentence="0" number="3">iTunes</token>
  <token t_id="5" sentence="0" number="4">in</token>
  <token t_id="6" sentence="0" number="5">Engeland</token>
  <token t_id="7" sentence="1" number="0">09-Jan-08</token>
  <token t_id="8" sentence="2" number="0">De</token>
  <token t_id="9" sentence="2" number="1">Europese</token>
  <token t_id="10" sentence="2" number="2">Commissie</token>
  <token t_id="11" sentence="2" number="3">dwingt</token>
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  <token t_id="15" sentence="2" number="7">prijzen</token>
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  <token t_id="27" sentence="2" number="19">Apple</token>
  <token t_id="28" sentence="2" number="20">,</token>
  <token t_id="29" sentence="2" number="21">in</token>
```

#	token	coref
1	Apple	(117)
2	verlaagt	(66)
3	prijzen	_
4	iTunes	(103)
5	in	_
6	Engeland	(120)
7	09-Jan-08	_
8	De	(119
9	Europese	119
10	Commissie	119)
11	dwingt	(67)
12	Apple	(117
13	Inc.	117)
14	zijn	_
15	prijzen	_
16	voor	_
17	media	(116)|(121
18	in	121
19	de	121|(103
20	iTunes	103|121
21	store	121)|103)
22	,	_
23	de	(103
24	online	103
25	mediawinkel	103
26	van	103
27	Apple	103)|(117)
28	,	_
29	in	_

Background Refs on Annotation Values

- FactBank
  `http://link.springer.com/article/10.1007/`
  `s10579-009-9089-9`

- NewsReader annotation guidelines for Dutch
  `http://www.newsreader-project.eu/files/2013/01/`
  `8-AnnotationGuidelinesDutch.pdf`

Note: specific task descriptions are missing, and they basically boil down to understanding the annotation guidelines and the sample files. Same probably goes for evaluation criteria and metrics.

Time frame

- Development data release: August 29th *updated September 9*
- Evaluation data release: November 15th
- System output due: November 30th
- Results & presentations: December 17th/18th (during CLIN26)