

Module 13 Information Extraction

Due Apr 9 at 11:59pm	Points 12	Questions 12	Available after Apr 3 at 12am
Time Limit 30 Minutes			

Attempt History

	Attempt	Time	Score
LATEST	<u>Attempt 1</u>	29 minutes	9.42 out of 12

⚠️ Correct answers will be available on Apr 10 at 12am.

Score for this quiz: **9.42** out of 12
Submitted Apr 9 at 6:34pm
This attempt took 29 minutes.

Question 1

1 / 1 pts

Match the order of steps in Information Extraction task.

Entity identification

Step 1

Relation extraction

Step 2

Event slot filling

Step 3

Question 2

1 / 1 pts

bootstrapping is subtype of _____ method in relation extraction.

☐ handwritten patterns

☒ semi-supervised

☐ unsupervised

☐ supervised

Incorrect

Question 3

0 / 1 pts

The great advantage of _____ relation extraction is its ability to handles huge number

of relations without having to specify them in advance.

☐ handwritten patterns

☒ distant supervision

☐ unsupervised

☐ bootstrapping

Partial

Question 4

0.75 / 1 pts

'Information extraction' is very similar to 'semantic role labelling' but both differ in tasks, evaluation and target applications. Match appropriately;

Micro-reading

Semantic role labeling



Natural language understanding

Information extraction



Question-answeing systems

Information extraction



Question 5

1 / 1 pts

The **ACE program** provides annotated data, evaluation, tools, and periodic evaluation exercises for a variety of information extraction tasks. Within the ACE program, a distinction is made between entity types and entity mentions.

The entity mention **France** will be linked to which entity type in the following sentence.

"The world leaders met in **France** yesterday".

☐ GPE.PER☐ GPE.ORG☐ GPE.GPE☒ GPE.LOC

Question 6

1 / 1 pts

_____ entities are limited to physical devices primarily used as instruments for physically harming or destroying other entities.

☐ FAC

☐ VEH

☐ ORG

☒ WEA

Partial

Question 7

0.67 / 1 pts

The **ACE program** defines several entity types. Match appropriately;

geographical entities such as
geographical areas and
landmasses, bodies of water, and
geological formations

Geo-political entity



buildings and other permanent

man- made structures and real estate improvements

Facility

a physical device primarily designed to move an object from one location to another, by (for example) carrying, pulling, or pushing the transported object

Vehicle

geographical regions defined by political and/or social groups

Location

corporations, agencies, and other groups of people defined by an established organizational structure

Organization

Limited to humans. this entity may be a single individual or a group.

Person

Question 8

1 / 1 pts

The starting point for information extraction is to identify mentions of entities in text. This task is complete by two independent modules.

1. Identify the spans, recognize types (**NER**).

2. Link these spans to entities (**Entity Linking**) in the knowledge-base

What happens if the knowledge base does not have an entity recognized by NER module.

- ☐ The entity is labelled as missing
- ☐ The entity is labelled as ambiguous
- ☐ Only the existing entities are recognized by NER module.
- ☒ The entity is labelled as NIL

Question 9

1 / 1 pts

An entity often has multiple mention forms, including abbreviations. A single mention can map to multiple KB elements (e.g. **Blackberry**). Such an entity is referred to as

- ☐ the NIL entity
- ☒ ambiguous entity
- ☐ unresolved entity
- ☐ missing entity

Question 10

1 / 1 pts

Entity linking can be defined as matching a textual entity mention, possibly identified by a named entity recognizer, to a KB entry, such as a Wikipedia page that is a canonical entry for that entity.

- ☒ True
- ☐ False

Incorrect

Question 11

0 / 1 pts

Systems like **TextRunner** can tag sentences with part-of-speech tags and noun-phrase chunks in one go. They can also extract relations subject to certain constraints.

☐ True

☒ False

Question 12

1 / 1 pts

Which one/s of the following relations are included in the official definitions of **SemEval-2010 task 8** directed relation types ?

☒ Content-Container

☒ Cause-Effect

☒ Instrument-Agency

☒ Product-Producer

Quiz Score: **9.42** out of 12