

A semantic graph of members of the Swedish parliament!



For named entity recognition/resolution and argumentation mining!

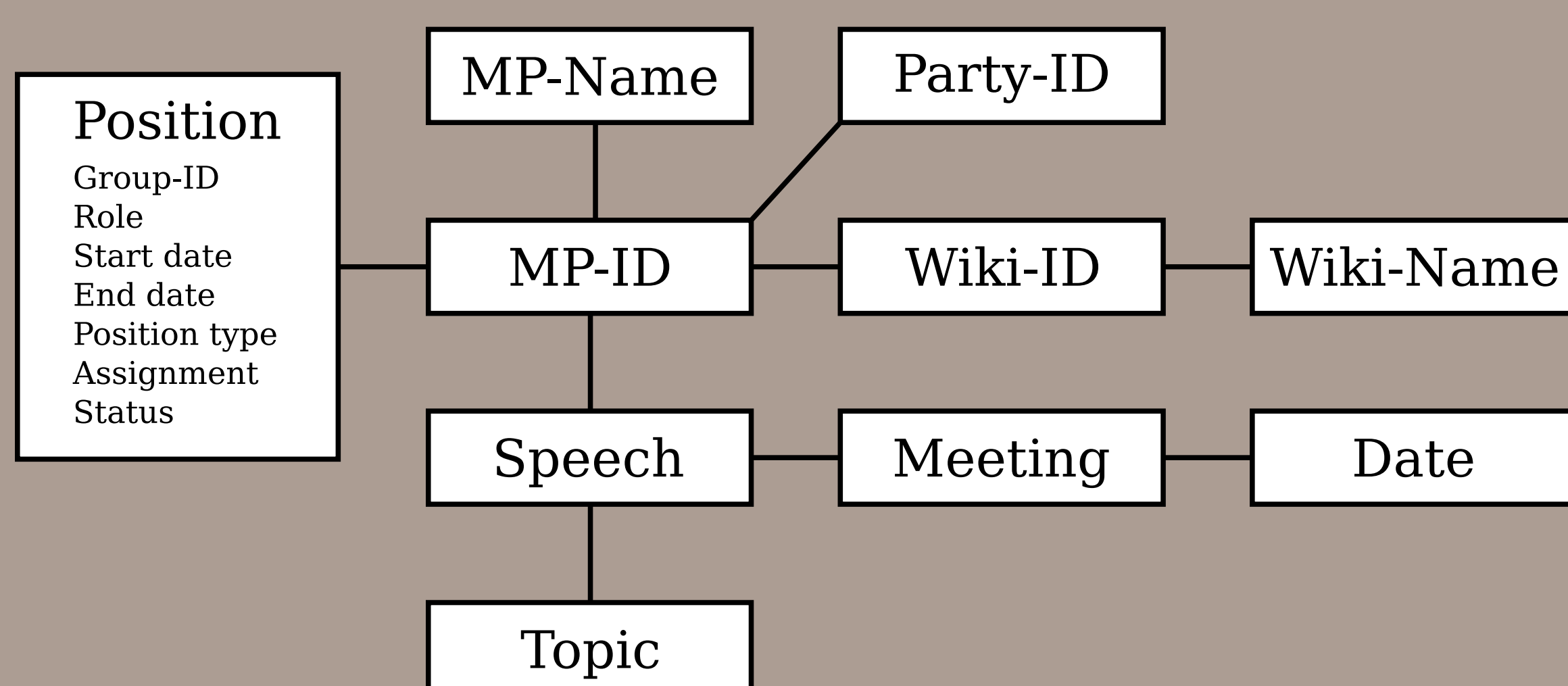


Keeps track of speeches, debates, roles and positions of all MPs since 1990!



# The Swedish PoliGraph

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## Usage examples

Get the ID of any MP with last name Löfven:

```
?- rid_lname(Rid, 'Löfven').
Rid = 218878014918.
```

Get the Wikidata ID of that MP:

```
?- rid_wid(218878014918, Wid).
Wid = 'Q2740012'.
```

Get the party affiliation of that MP:

```
?- rid_parti(218878014918, Party).
Party = 'S'.
```

Get previous speeches in the same debate, filtered by name or party:

```
?- had_previous_anf('Erik Ottoson', Rid, Anf, Party, 'H401TU1', 'H40944', 75, _).
Rid = 832311880029,
Anf = 74,
Party = 'M' ;
Rid = 832311880029,
Anf = 72,
Party = 'M' ;
```

Get speeches for all MPs, filtered by name, party, topic or meeting:

```
?- had_anf(Name, Rid, Anf, 'S', 'H401TU1', Meeting).
Name = 'Lindberg',
Rid = 559925283228,
Anf = 73,
Meeting = 'H40944' ;
Name = 'Johansson',
Rid = 691264514114,
Anf = 63,
Meeting = 'H40944' ;
```

Remote querying via Pengine:

```
?- pengine_rpc(
  'https://spraakbanken.gu.se/poligraph/',
  rid_lname(Rid, 'Löfven'),
  [application(poligraph)]
).
```

```
Rid = 218878014918.
```

## Facts

**rid\_sname/2**  
Maps an MP-ID to that person's sorting name.

**rid\_wname/2**  
Maps an MP-ID to that person's Wikidata name.

**rid\_lname/2**  
Maps an MP-ID to that person's last name.

**rid\_fname/2**  
Maps an MP-ID to that person's first name.

**rid\_name/2**  
Maps an MP-ID to any of the above.

**rid\_wid/2**  
Maps an MP-ID to that person's Wikipedia-ID.

**rid\_party/2**  
Maps an MP-ID to that person's party affiliation.

**anforande/3**  
Maps a speech to a meeting number and an MP-ID.

**dokid\_date/2**  
Maps a meeting number to its date.

**meet\_anf\_topic/3**  
Maps a topic to a meeting number and a speech number.

**position/8**  
Each entry describes one position that an MP has or has had in the Swedish parliament. This can be being elected to the parliament itself, as a minister or as a member of a commission.

## Rules

**had\_previous\_anf/8**  
Given a speech, this gives all previous speeches on the same topic that took place before. This can be filtered by e.g. name and/or party.

**had\_anf/6**  
Gives all speeches on a topic, with speaker, speech number, party and meeting number.

**had\_anf/4**  
Gives the name, ID and party affiliation for all speeches on a given date.

**was\_in\_rd/3**  
Who was in the parliament in a given period.

**was\_in\_rd\_on\_date/2**  
Who was in the parliament on a given date.

**was\_mp/3**  
Who was an elected MP in a given period.

**was\_minister/3**  
Who was a minister in a given period.

**was\_ledig/3**  
Who was on leave from the parliament in a given period.

**has\_position/3**  
Who has had what government position.

**has\_position\_period/5**  
Who has had what position in what period.

## Licence

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**Demo**  
<https://spraakbanken.gu.se/poligraph/>

**Documentation**  
<https://spraakbanken.gu.se/poligraph/readme>

**Source files**  
<https://spraakbanken.gu.se/poligraph/poligraph.tar.bz2>

**Poster images**  
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