API R projects

Måns Magnusson

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Below are som API projects that there exist a reported interest to use and handle. Under each API there is a short description and some indicator on difficult the API can be from one star (simplest) to three starts (most difficult).

In general there exist many different web API:s in what is called **API-katalogen**. There you can find a lot of differnt API:s to connect to. But if you choose any of these you need to confirm your choice with the teacher, you can also choose an international API as long as there do not already exists an R package that do this connection.

Unfortunately many of those example API:s are in Swedish.

* Valmyndigheten XML   After each election the Swedish election agency (Valmyndigheten) release a detailed file with all election resuls in an XML format. Implement a package to get the election data (that is published as excel files) out of these files direct.

More information can be found **here**.

* Google geocode API   is used to do simple convertions of geodata between coordinates and adresses/zip codes. This is a relative straightforward API. More information can be found **here**.

* Kolada API   is an API to the Kolada database that contains key indicators regarding the Swedish municipalities. More information can be found **here**.

** Riksdagen   or the Swedish parliment have an API to get documents, debates and information about members of parliment. Information about the API can be found **here**.

The data is mainly textual data so the R package should convert the data to the datastructures used in the `tm` R package.

** Protokollen.net   is an API to get all the meting protocols from Swedish municipalities using elastic search queries (more information **here**). As with the Riksdagen API the documents need to be stored in the `tm` package format. More information can be found **here** and api information can be found **here**.

** Språkbanken   is a web resource with corpuses in XML format. As with the other textual resources the purpose with this corpus is to read any XML file into R as a `tm` type corpus object with all textual metadata included. The corpuses can be found **here**.

*** Thenmaps   Historical map in geoJSON format. Need to handle spatial data, see spatial.ly form more information on geographical data. More information can be found **here**.