




# HOW TO GET DATA FROM LMI4ALL API

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GO TO [HTTP://API.LMIFORALL.ORG.UK/](http://api.lmiforall.org.uk/)

 Department for Education	<b>LMI For All API</b>	<input type="text" value="http://api.lmiforall.org.uk/api/v1/api-docs/"/>	<a href="#">Explore</a>
<b>apprenticeships</b>	<a href="#">Show/Hide</a>	<a href="#">List Operations</a>	<a href="#">Expand Operations</a>
<b>ashe</b>	<a href="#">Show/Hide</a>	<a href="#">List Operations</a>	<a href="#">Expand Operations</a>
<b>census</b>	<a href="#">Show/Hide</a>	<a href="#">List Operations</a>	<a href="#">Expand Operations</a>
<b>ess</b>	<a href="#">Show/Hide</a>	<a href="#">List Operations</a>	<a href="#">Expand Operations</a>
<b>hesa</b>	<a href="#">Show/Hide</a>	<a href="#">List Operations</a>	<a href="#">Expand Operations</a>
<b>lfs</b>	<a href="#">Show/Hide</a>	<a href="#">List Operations</a>	<a href="#">Expand Operations</a>
<b>o-net</b>	<a href="#">Show/Hide</a>	<a href="#">List Operations</a>	<a href="#">Expand Operations</a>
<b>onet</b>	<a href="#">Show/Hide</a>	<a href="#">List Operations</a>	<a href="#">Expand Operations</a>
<b>soc</b>	<a href="#">Show/Hide</a>	<a href="#">List Operations</a>	<a href="#">Expand Operations</a>
<b>vacancies</b>	<a href="#">Show/Hide</a>	<a href="#">List Operations</a>	<a href="#">Expand Operations</a>
<b>wf</b>	<a href="#">Show/Hide</a>	<a href="#">List Operations</a>	<a href="#">Expand Operations</a>



# LMIFORALL API EXPLORER

- LMI for All is an online data portal, which connects and standardises existing sources of high quality, reliable labour market information (LMI) with the aim of informing careers decisions. This data is made freely available via an Application Programming Interface (API) for use in websites and applications
- All kinds of interesting information about the labour force.
- Please explore it!
- of particular interest : VACANCIES , CENSUS , LFS

# VACANCIES API EXAMPLE

- Need to provide a keyword for the search
  - and optionally a postcode so the search can be restricted to a radius around it
  - Optionally define that radius too.

## **vacancies**

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The Department for Works and Pensions and its Universal Jobmatch database provide information about vacancies across the UK.

GET

`/vacancies/search`

Search for vacant positions in the Universal Jobmatch databases.



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**GET** /vacancies/search [Search for vacant positions in the Universal Jobmatch databases.](#)

**Implementation Notes**  
The Universal Jobmatch databases are not part of the LMI For All project. The Department for Works and Pensions maintains this data.

**Response Class (Status 200)**  
[Model](#) | [Model Schema](#)

```
[
  {
    "id": 0,
    "title": "string",
    "summary": "string",
    "company": "string",
    "activedate": {
      "start": "2017-07-07T05:47:01.902Z",
      "end": "2017-07-07T05:47:01.902Z",
      "updated": "2017-07-07T05:47:01.902Z"
    }
  }
]
```

Response Content Type:

**Parameters**

Parameter	Value	Description	Parameter Type	Data Type
limit	<input type="text"/>	Limit results to this many entries. Default and maximum is 50.	query	integer
radius	<input type="text"/>	Search radius around postcode (default: 50).	query	integer
postcode	<input type="text" value="RG1"/>	Post code. If given, restrict results to a radius around this postcode.	query	string
keywords	<input type="text" value="Social Researcher"/>	Keywords to search for; may be combined with the special operators AND, OR and NEAR.	query	string

[Try it out!](#) [Hide Response](#)

# SO IF I WANT TO SEARCH FOR SOCIAL RESEARCHERS NEAR READING:

Need to fire up A URL REQUEST like this :

<http://api.lmiforall.org.uk/api/v1/vacancies/search?postcode=RG1&keywords=Social%20Researcher>

I get back

```
[ { "id": 43790948, "title": "Quantitative Researcher", "summary": "Job Title: Quantitative Researcher Department: Quantitative Research Location: London W14 Travel Required: No Level/Salary Range: Dependent on experience Position Type: Full-time Contact: BLAH BLAH Start Date: ASAP Applications Accepted By: Please send your application to: Subject: Quantitative Researcher Application For questions please call: Tel: 020 3588 4770 Office address: BLAH Capital", "company": "BLAHCAPITAL LLP", "activatedate": { "start": "2017-06-09T11:16:00Z", "end": "2017-07-09T10:56:00Z", "updated": "2017-06-09T11:16:00Z" }, "location": { "city": "London", "area": "London", "postcode": "BLAH", "country": "UK" } },
```



# ACCESSING THROUGH R OR PYTHON SUGGESTIONS

- Programmatically create a request and get a dataframe of results
- Through PYTHON: use `REQUESTS` module
- Through R : use `httr` and `jsonlite` modules