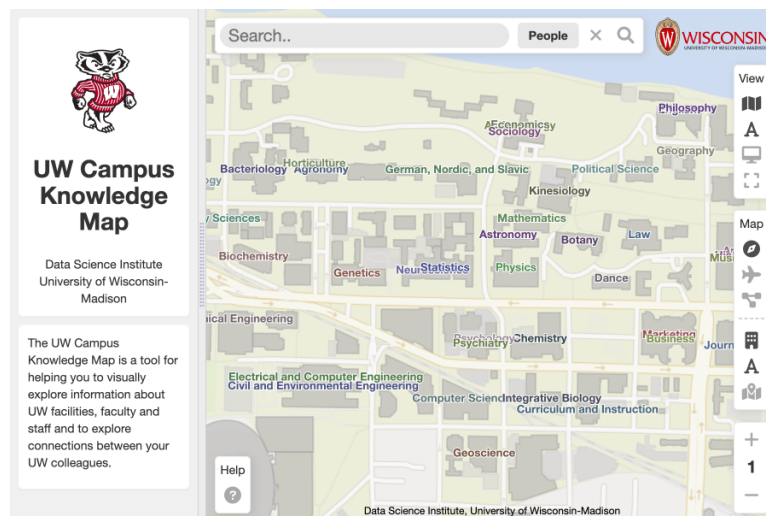


Knowledge Map Academic Analytics API

*Data Science Institute at University of Wisconsin-Madison.
Abe Megahed, May, 2022*

This API is used to provide data about people and activities associated with the University of Wisconsin. The underlying data that is used by this API is owned by the Academic Analytics corporation. This API is owned by the UW Data Science Institute and is not affiliated with the Academic Analytics company in any way. It was developed mainly to support the Campus Knowledge Map web application (<https://datascience.sharedigm.com/cmap/>) but could be used for other purposes and applications.

The Campus Knowledge Map App



UW Campus Knowledge Map
<https://datascience.sharedigm.com/cmap/>

API Base URL

```
https://datascience.sharedigm.com/apis/academic-  
analytics/public
```

API Routes

The API routes are broken down into the following categories:

- **Institution Unit Routes**
These are routes pertaining to an institutional units or “departments”.
- **People Routes**
These are routes pertaining to an individual person / scholar.
- **Activity Routes**
These are routes pertaining to scholarly activities.
 - **Article Routes**
 - **Award Routes**
 - **Book Chapter Routes**
 - **Book Routes**
 - **Grant Routes**
 - **Patent Routes**

Institution Unit Routes

1.GET institution-units

Description

Get all of the institution units.

Parameters

- none

Return Value

- An array of institution units (JSON).

Examples:

- Get all institution units:
<https://datascience.sharedigm.com/apis/academic-analytics/public/institution-units>

2.GET institution-units/<id>

Description

Get a specific institutional unit.

Parameters

- id - the identifier of the institutional unit.

Return Value

- A single institutional unit object (JSON).

Examples:

- Get a specific institution unit:
<https://datascience.sharedigm.com/apis/academic-analytics/public/institution-units/28584>

```
3.GET institution-units/<id>/people
```

Description

Get the people that belong to a particular institution unit (department).

Parameters

- id - the identifier of the institution unit.

Return Value

- An array of people objects (JSON).

Examples:

- Get the people in an institution unit:
<https://datascience.sharedigm.com/apis/academic-analytics/public/institution-units/28584/people>

```
4.GET institution-units/<id>/affiliations
```

Description

Get the people that are affiliated with (but do not belong to) a particular institutional unit.

Parameters

- id - the identifier of the institutional unit.

Return Value

- An array of person objects (JSON).

Examples:

- Get the people affiliated with but not in an institution unit:
<https://datascience.sharedigm.com/apis/academic-analytics/public/institution-units/28584/affiliations>

People Routes

5.GET people

Description

Find all people matching the specified search criteria.

Query String Parameters

- name - The person's name.
- term - The person's areas of interest.

Return Value

- An array of person objects (JSON).

Examples:

- Get people named 'Miller':
<https://datascience.sharedigm.com/apis/academic-analytics/public/people?name=Miller>
- Get people interested in robots:
<https://datascience.sharedigm.com/apis/academic-analytics/public/people?term=robot>

```
6.GET people/<id>
```

Description

Get a specific person.

Parameters

- Id - The identifier of the person.

Return Value

- A person object (JSON).

Examples:

- Get a specific person:
<https://datascience.sharedigm.com/apis/academic-analytics/public/people/279782>

```
7.GET people/<id>/collaborators
```

Description

Get a person's collaborators (people who have collaborated with this person on grants, articles etc).

Parameters

- id - The identifier of the person.

Return Value

- An array of person objects (JSON).

Examples:

- Get a person's collaborators:
<https://datascience.sharedigm.com/apis/academic-analytics/public/people/279782/collaborators>

```
8.GET people/<id>/articles
```

Description

Get a person's articles.

Parameters

- id - The identifier of the person.

Return Value

- An array of article objects (JSON).

Examples:

- Get a person's articles:
<https://datascience.sharedigm.com/apis/academic-analytics/public/people/279782/articles>

9.GET people/<id>/awards

Description

Get a person's awards.

Parameters

- Id - The identifier of the person.

Return Value

- An array of award objects (JSON).

Examples:

- Get a person's awards:
<https://datascience.sharedigm.com/apis/academic-analytics/public/people/279782/awards>

10.GET people/<id>/book-chapters

Description

Get a person's book chapters.

Parameters

- Id - The identifier of the person.

Return Value

- An array of book chapter objects (JSON).

Examples:

- Get a person's book chapters:
<https://datascience.sharedigm.com/apis/academic-analytics/public/people/279782/book-chapters>

```
11.GET people/<id>/books
```

Description

Get a person's books.

Parameters

- Id - The identifier of the person.

Return Value

- An array of book objects (JSON).

Examples:

- Get a person's books:
<https://datascience.sharedigm.com/apis/academic-analytics/public/people/277503/books>

```
12.GET people/<id>/grants
```

Description

Get a person's grants.

Parameters

- Id - The identifier of the person.

Return Value

- An array of grant objects (JSON).

Examples:

- Get a person's grants:
<https://datascience.sharedigm.com/apis/academic-analytics/public/people/277503/grants>

```
13.GET people/<id>/patents
```

Description

Get a person's patents.

Parameters

- Id - The identifier of the person.

Return Value

- An array of patent objects (JSON).

Examples:

- Get a person's patents:
<https://datascience.sharedigm.com/apis/academic-analytics/public/people/277503/patents>

Article Routes

14.GET articles

Description

Find all articles matching the specified search criteria.

Query String Parameters

- title - The title of the articles to find.

Return Value

- An array of article objects (JSON).

Examples:

- Get articles with 'robot' in the title:
<https://datascience.sharedigm.com/apis/academic-analytics/public/articles?title=robot>

15.GET articles/<id>

Description

Get a specific article.

Parameters

- id - The identifier of the article to get.

Return Value

- An article object (JSON).

Examples:

- Get a specific article:
<https://datascience.sharedigm.com/apis/academic-analytics/public/articles/433533>

Award Routes

16.GET awards

Description

Find all awards matching the specified search criteria.

Query String Parameters

- name - The name of the awards to find.

Return Value

- An array of award objects (JSON).

Examples:

- Get awards with 'first' in the name:
<https://datascience.sharedigm.com/apis/academic-analytics/public/awards?name=first>

17.GET awards/<id>

Description

Get a specific award.

Parameters

- id - The identifier of the award to get.

Return Value

- An award object (JSON).

Examples:

- Get a specific award:
<https://datascience.sharedigm.com/apis/academic-analytics/public/awards/11140>

Book Chapter Routes

18.GET book-chapters

Description

Find all book chapters matching the specified search criteria.

Query String Parameters

- name - The name of the book chapters to find.

Return Value

- An array of book chapter objects (JSON).

Examples:

- Get a book chapters with 'robot' in the name:
<https://datascience.sharedigm.com/apis/academic-analytics/public/book-chapters?name=robot>

19.GET book-chapters/<id>

Description

Get a specific book chapter.

Parameters

- id - The identifier of the book chapter to get.

Return Value

- A book chapter object (JSON).

Examples:

- Get a specific book chapter:
<https://datascience.sharedigm.com/apis/academic-analytics/public/book-chapters/189337>

Book Routes

20.GET books

Description

Find all books matching the specified search criteria.

Query String Parameters

- title - The title of the books to find.

Return Value

- An array of book objects (JSON).

Examples:

- Get books with 'robot' in the title:
<https://datascience.sharedigm.com/apis/academic-analytics/public/books?title=robot>

```
21.GET books/<id>
```

Description

Get a specific book.

Parameters

- id - The identifier of the book to get.

Return Value

- A book chapter object (JSON).

Examples:

- Get a specific book:
<https://datascience.sharedigm.com/apis/academic-analytics/public/books/230566>

Grant Routes

```
22.GET grants
```

Description

Find all grants matching the specified search criteria.

Query String Parameters

- name - The name of the grants to find.

Return Value

- An array of grant objects (JSON).

Examples:

- Get grants with 'robot' in the name:
<https://datascience.sharedigm.com/apis/academic-analytics/public/grants?name=robot>

```
23.GET grants/<id>
```

Description

Get a specific grant.

Parameters

- id - The identifier of the grant to get.

Return Value

- A grant object (JSON).

Examples:

- Get a specific grant:
<https://datascience.sharedigm.com/apis/academic-analytics/public/grants/634830>

Patent Routes

24.GET patents

Description

Find all patents matching the specified search criteria.

Query String Parameters

- name - The name of the patents to find.

Return Value

- An array of patent objects (JSON).

Examples:

- Get patents with “robot” in the name:
<https://datascience.sharedigm.com/apis/academic-analytics/public/patents?name=robot>

25.GET patents/<id>

Description

Get a specific patent.

Parameters

- id - The identifier of the patent to get.

Return Value

- A patent object (JSON).

Examples:

- Get a specific patent:
<https://datascience.sharedigm.com/apis/academic-analytics/public/patents/112491>