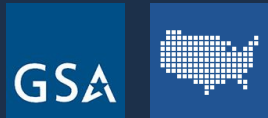# DAP Learning Series:
Using the analytics.usa.gov API

Tim Lowden - Manager, Digital Analytics Program

Let's start with the history of analytics.usa.gov

analytics.usa.gov · All Participating Websites · About this site · Data

301,086 people on government websites now

Visits Today · Eastern Time

Top Pages

| Now | 7 Days | 30 Days |

People on a single, specific page now. We only count pages with at least 10 people on the page. _Download the full dataset._

USPS.com® - USPS Tracking® Results	12,471
USPS.com® - USPS Tracking® Results	11,187
USPS.com® - USPS Tracking® Results	4,642
NLM - PubMed Search Results	4,622

- **2012 - Digital Government Strategy & Digital Analytics Program creation**

- **2014 - We decide to build a public window for the data**

- **2015 - analytics.usa.gov is released**

- **2015-2017 - We expand the site data, adding agency pages and beginning work on an API**

- **2018-2019 - We add new filters to the API**

Checking it out

analytics.usa.gov/developer

Download the data

You can <u>download the data here.</u> Available in JSON and CSV format.

Additionally, you can access data via our <u>API project</u> (currently in Beta).

What is an API?

My totally unofficial and non-developer definition:

A structure that enables data to be shared from one system to another, in a machine-readable format, in an automated fashion.

Getting started: Your API key

* Required fields

* **First Name**	[input field with icon]
* **Last Name**	[input field]
* **Email**	[input field]
How will you use the APIs? (optional)	[text area]

Signup

Basic Reporting:

https://api.gsa.gov/analytics/dap/v1.1/reports/domain/data?api_key=DEMO_KEY1

`limit`: Limit the number of data points that are rendered. The default is 1000 and the max is 10,000

`page`: Pages through the results. If the limit is set to **1000**, using **page=2** will render the 1001st through 2000th data point.

https://api.gsa.gov/analytics/dap/v1.1/reports/domain/data?api_key=DEMO_KEY1**&page=10**

https://api.gsa.gov/analytics/dap/v1.1/reports/domain/data?api_key=DEMO_KEY1**&limit=20**

… now with date filters*!

https://api.gsa.gov/analytics/dap/v1.1/reports/domain/data?api_key=DEMO_KEY1**&after=2019-04-21&before=2019-04-21**

`after`: Limit the results to in dates on or after the date specified. Expects `YYYY-MM-DD`.

`before`: Limit the results to in dates on or before the date specified. Expects `YYYY-MM-DD`.

*(note that before and after is inclusive of the date)

… and agency filters!

https://api.gsa.gov/analytics/dap/v1.1/**agencies/commerce/**reports/domain/data?api_key=DEMO_KEY1

Filtering based on agencies

Reports can be queried by substituting `<agency name>` in the path with the name of the agency. If the path without an agency name parameter is used, the reports correspond to government wide data.

… and domain filters*!

https://api.gsa.gov/analytics/dap/v1.1/**domain/census.gov/**reports/domain/data?api_key=DEMO_KEY1

Filtering by domain

For the `site`, `domain`, `download`, and `second-level-domain` reports you may use the `domain` route, to only return results by domain.

*(not all reports are compatible with this filter)

So you can get wild with your queries!

https://api.gsa.gov/analytics/dap/v1.1/**agencies/interior/**reports/device/data?api_key=DEMO_KEY1**&before=2019-04-30&after2019-04-01&limit=10000**

What will you do with this data?

Tell us!
dap@support.digitalgov.gov

GSA

Questions?

Thanks for coming!