



# Import and Map Over 5,000 Points of Interest in 45 Minutes

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# Who am I?

- Michael Anello
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- Co-host, DrupalEasy Podcast
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# Quick warning



# INSPIRE!

<http://www.flickr.com/photos/sirexkat/3383350221/>

This presentation is meant to inspire you as much as it is meant to teach you.

# So, what's the plan?



# Take data from here:

The screenshot shows the Data.gov homepage. At the top, there's a navigation bar with links for HOME, ABOUT, DATA, METRICS, OPEN GOVERNMENT, BLOGS, and COMMUNITIES. On the right side of the header is a 'Login' link and a search bar with a 'SEARCH' button. The main content area features a large blue banner with the text 'EXPLORE FEDERAL RESEARCH DATA' and a subtext 'Visit our new research community!'. Below the banner, there's a list of 'Latest Datasets' with ten items, each preceded by a small blue circular icon with a white symbol. At the bottom of the page, there are navigation arrows (left, right, and double-right).

- NLRB CATS Final R-Case Data Bulk...
- NLRB CATS Lookup/Reference Data in XML
- NLRB CATS Final C-Case Data Bulk...
- Federal Cost of School Food Program Data
- Colorado Plateau Rapid Ecoregion...
- A Picture of Subsidized Households 2009
- Annual Railroad Enforcement Report -...
- Annual Railroad Enforcement Report - PDF
- Colorado Plateau Rapid Ecoregion...
- Colorado Plateau Rapid Ecoregion...



Put it into here:



# Using:

Get Started   Community   Documentation

# Drupal™

Drupal Homepage   Your Dashboard   Logged in as ultimike   Log out

Download & Extend

Download & Extend Home   Drupal Core   Distributions   Modules   Themes

## Feeds

[View](#)   Version control   Revisions   Automated Testing

Posted by febrero on September 21, 2009 at 10:01pm

Import or aggregate data as nodes, users, taxonomy terms or simple database records.

- One-off imports and periodic aggregation of content
- Import or aggregate RSS/Atom feeds
- Import or aggregate CSV files
- Import or aggregate OPML files
- PubSubHubbub support
- Create nodes, users, taxonomy terms or simple database records from import
- Extensible to import any other kind of content
- Granular mapping of input elements to Drupal content elements
- Exportable configurations
- Batched import for large files

<http://www.drupal.org/project/feeds>



# and display using:

The screenshot shows the Drupal.org website interface. At the top, there is a blue header bar with the word "Drupal" in white. Below the header, there is a navigation bar with links for "Get Started", "Community", "Documentation", and "Support". A search bar is located on the right side of the header. The main content area has a light gray background. At the top of this area, there are several buttons: "Drupal Homepage", "Your Dashboard", "Logged in as ultimike", and "Log out". Below these buttons, the text "Download & Extend" is displayed. Underneath, there is a horizontal menu with links: "Download & Extend Home", "Drupal Core", "Distributions", "Modules" (which is highlighted in blue), and "Themes". The main content of the page is titled "Geofield". Below the title, there is a green button labeled "View" and other links: "Version control", "Revisions", and "Automated Testing". A timestamp "Posted by phayes on March 9, 2011 at 11:24pm" is shown. The main text of the page reads: "Geofield is a module for storing geographic data in Drupal 7. It supports all geo-types (points, lines, polygons, multitypes etc.)".

<http://www.drupal.org/project/geofield>



# Important Bits (Data)

- Over 7,800 farmers markets (including lat/long) in a .xls file from <https://explore.data.gov/Agriculture/Farmers-Markets-Geographic-Data/wfna-38ey>
- Manually removed header and footer rows (other than field names).
- Saved as a .csv file.



Also maximized the display of the lat/long fields to show all digits.

# Data Fields

- FMID
- MarketName
- Website
- Street
- City
- County
- State
- Zip
- URL
- Schedule
- X
- Y
- Location
- {category fields}
- updateTime



# Important Bits (Modules)

- Latest -dev version of Geofield module for proximity stuff (7.x-2.x-dev 2013-Jan-13).
- Rules module to add “country” field (“US”).
- Feeds Tamper module (and patch: <http://drupal.org/node/1963384>) to convert full state names (“Florida”) to 2-letter abbreviations (“FL”)



# Important Bits (Modules)

- Addressfield module
- OpenLayers module for (some) mapping
- Only enable and configure Geocoder module after import is complete!



Geocoder – enabled after import because our .csv already has lat/long data!!!

Alrighty, enough talk,  
time for action.



# Next steps

- Theming
  - “Best Responsive” theme ([http://www.drupal.org/project/best\\_responsive](http://www.drupal.org/project/best_responsive))
  - Update slideshow with properly licensed images
  - Add just a touch of custom CSS...



# Custom CSS

```
.page-node #content-wrap .openlayers-container img,  
.geofieldMap img {  
  max-width: none;  
}  
  
#edit-field-geofield-distance-distance {  
  width: 50px;  
}  
  
#edit-field-geofield-distance-origin {  
  width: 150px;  
}  
  
#edit-submit-proximity-search {  
  margin-top: 0;  
}
```



# Next steps

- Additional blocks
- Create a “Random Farmers Markets” block (using Views, of course) for display in the sidebar.



# Next steps

- More data
  - The “Farmers Markets” data set also has category data for each record.
  - Custom code (custom Feeds Tamper plug-in) is required to import this data as taxonomy.
  - Utilize this data in the proximity search?



# Thank you!

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