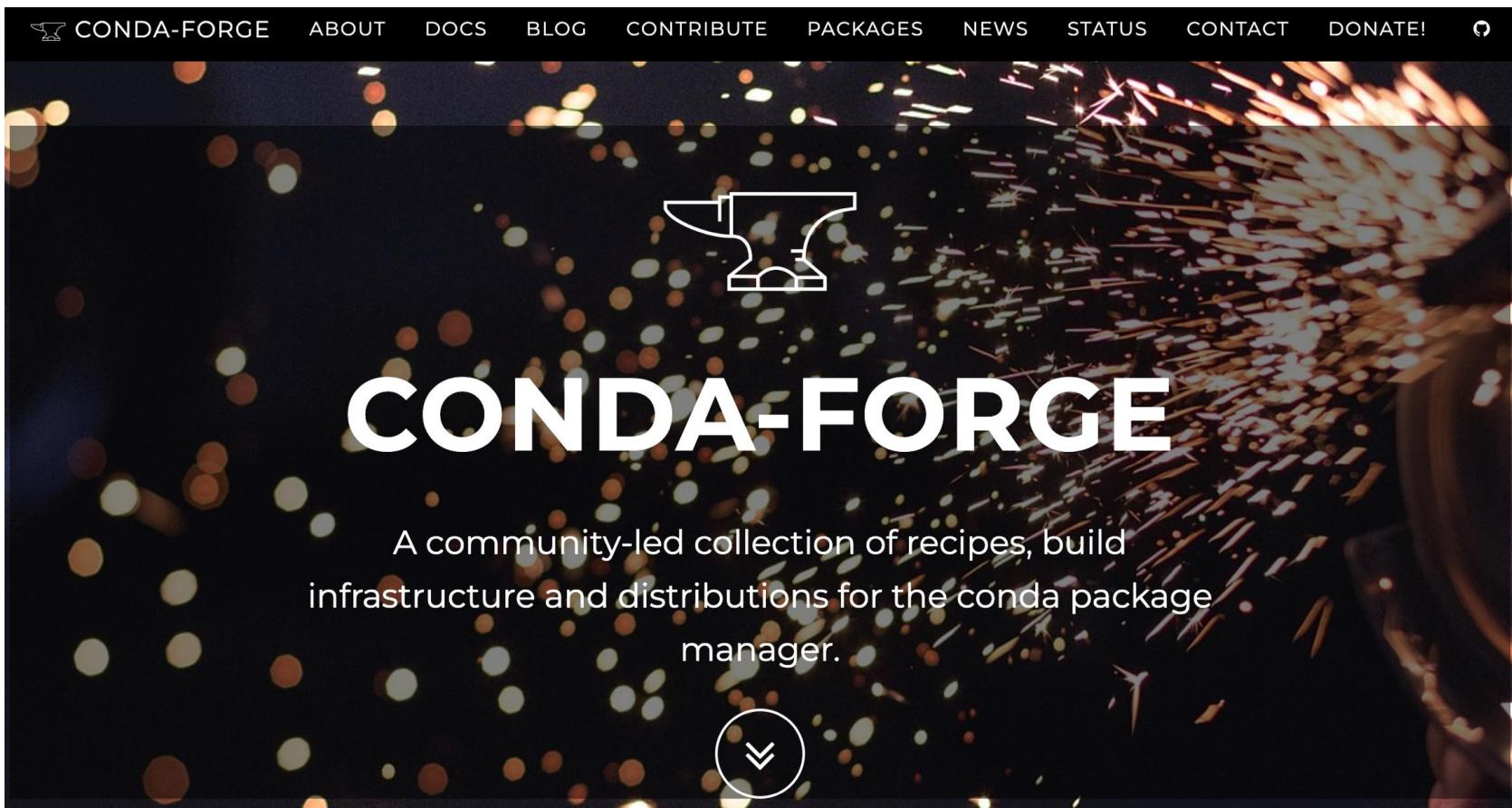


# Conda Forge (conda-forge.org)



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**CONDA-FORGE**

A community-led collection of recipes, build infrastructure and distributions for the conda package manager.



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# Why use the conda-forge channel?

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The conda team, from [Anaconda, Inc.](#), packages a multitude of packages and provides them to all users free of charge in their `default` channel.

But what if a package you are looking for is not in the default channel? In the past users only had the option to create an [Anaconda Cloud](#) account and create their own channel.

[conda-forge](#) is a GitHub organization containing repositories of conda recipes. Thanks to some awesome continuous integration providers (AppVeyor, Azure Pipelines, CircleCI and TravisCI), each repository, also known as a feedstock, automatically builds its own recipe in a clean and repeatable way on Windows, Linux and OSX.

```
conda config --add channels conda-forge  
conda config --set channel_priority strict  
conda install <package-name>
```



# Channel Priority

---

Documentation: **conda config --describe channel\_priority**

Setting the channel priority: **conda config --set channel\_priority <strict | flexible | disabled>**

- strict:** Packages in lower priority channels are not considered if a package with the same name appears in a higher priority channel.  
(Use only the first channel that has the package to resolve any dependencies.)
- flexible:** With flexible channel priority, the solver may reach into lower priority channels to fulfill dependencies, rather than raising an unsatisfiable error. (A higher priority channel with an earlier package version takes precedence over a lower priority channel with a newer package version.)
- disabled:** With channel priority disabled, package version takes precedence, and the configured priority of channels is used only to break ties.



# Installation

```
$ conda install -c conda-forge plotly
```



```
The following packages will be downloaded:
package          |       build
-----|-----
plotly-5.12.0    | pyhd8ed1ab_1      5.7 MB  conda-forge
-----|-----
                                         Total:   5.7 MB

The following NEW packages will be INSTALLED:

plotly           conda-forge/noarch::plotly-5.12.0-pyhd8ed1ab_1 None
tenacity         conda-forge/noarch::tenacity-8.1.0-pyhd8ed1ab_0 None

Proceed ([y]/n)?
```

Downloading and Extracting Packages
plotly-5.12.0 | 5.7 MB | #####| 100%
Preparing transaction: done
Verifying transaction: done
Executing transaction: done
Retrieving notices: ...working... done
(ds) [530 uranus:~ ]



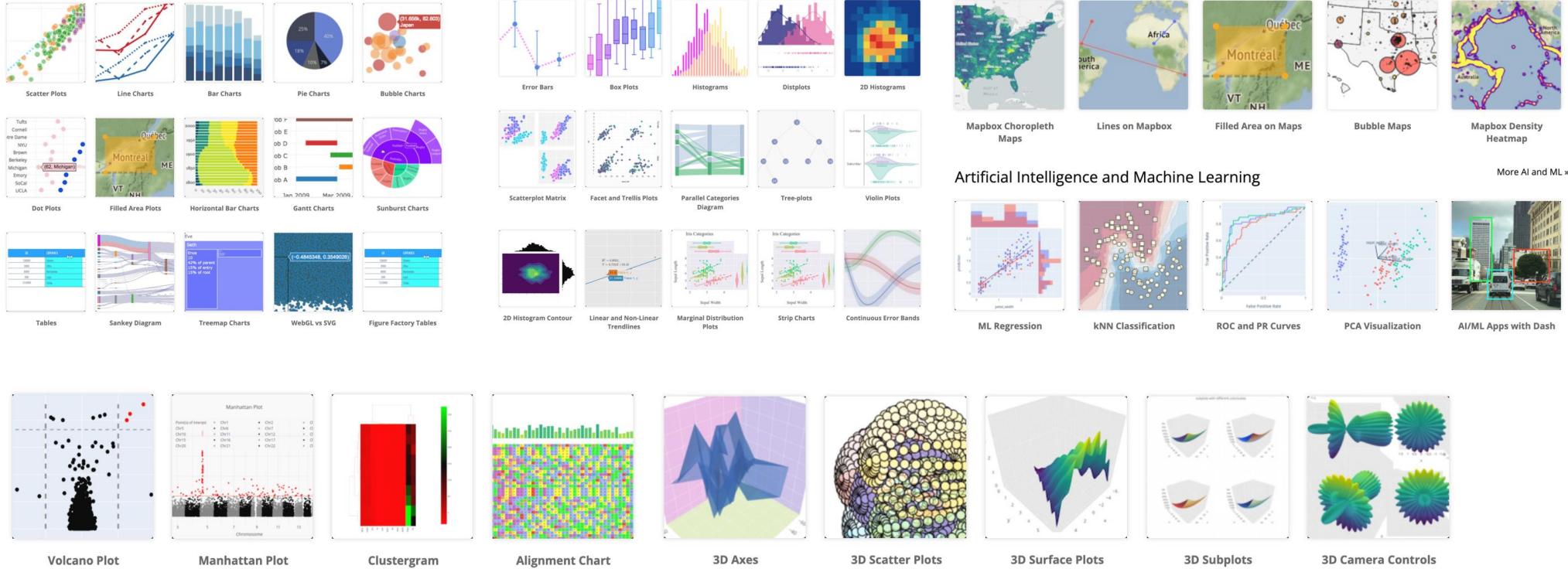
matplotlib + seaborn → academic / static

plotly  
+  
(dash) → web-friendly / app-friendly / interactive by default

# Advanced Visualization with Plotly

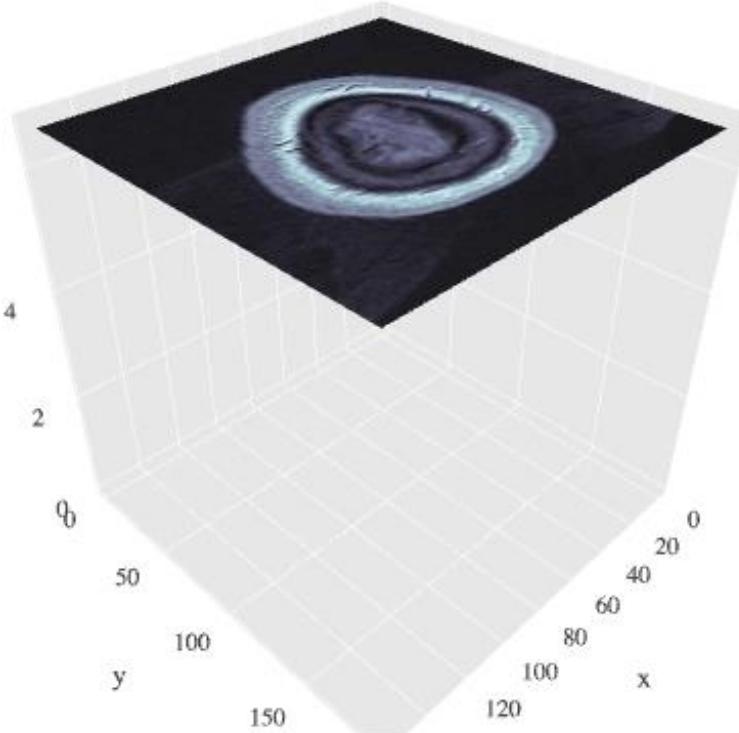
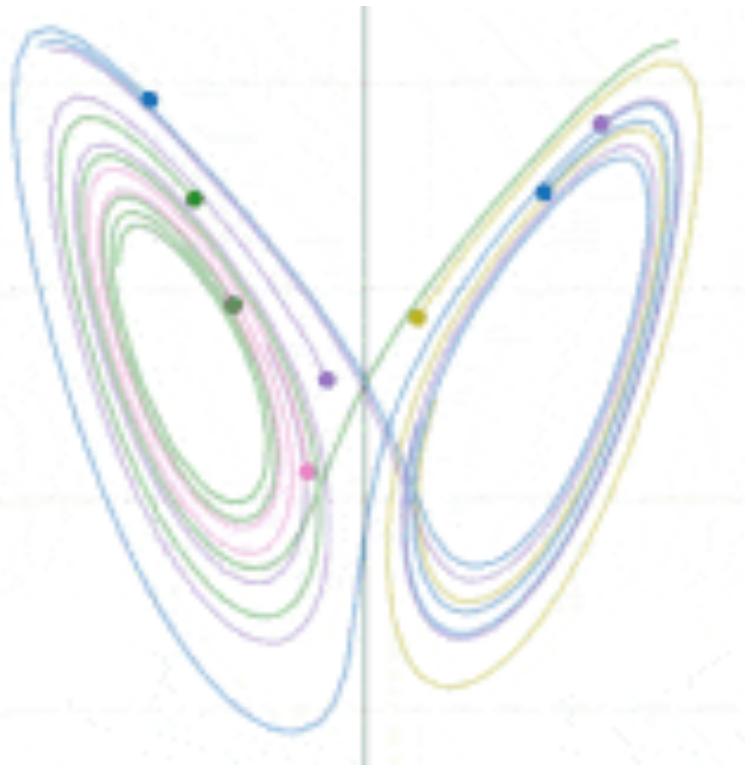


# A gallery of possibilities: <https://plotly.com/python/>



# Animations!

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## Is Plotly for Python Free?

**Yes.** Plotly for Python is free and open-source software, licensed under the [MIT license](#). It costs nothing to [install and use](#). You can view the source, report issues or contribute using [our Github repository](#).

## Can I use Plotly for Python without signing up to any service?

**Yes.** You can use Plotly for Python to make, view, and distribute charts and maps without registering for any service, obtaining any token, or creating any account. The one exception is that to view tile maps which use tiles from the Mapbox service (which is optional, as [you can use other tile servers](#)), you will need to have a Mapbox token.

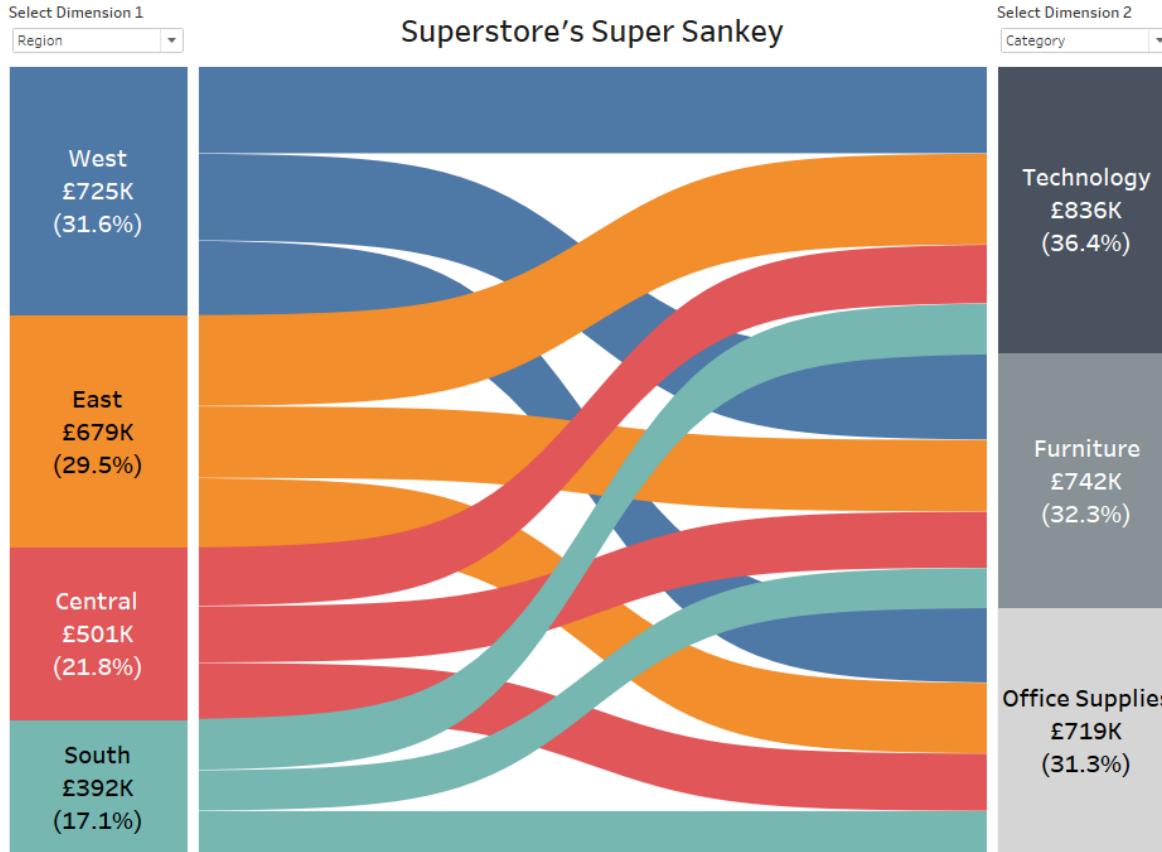
## Can I use Plotly for Python offline, without being connected to the internet?

**Yes.** You can use Plotly for Python to make, view, and distribute graphics totally offline. The one exception is that to view tile maps which use tiles from a cloud-hosted service, such as Open Street Maps or Mapbox, you will need a connection to that service. You can view tile maps totally offline if you run your own local tile server and [use its tiles](#).



# Sankey Diagrams: Market Analysis

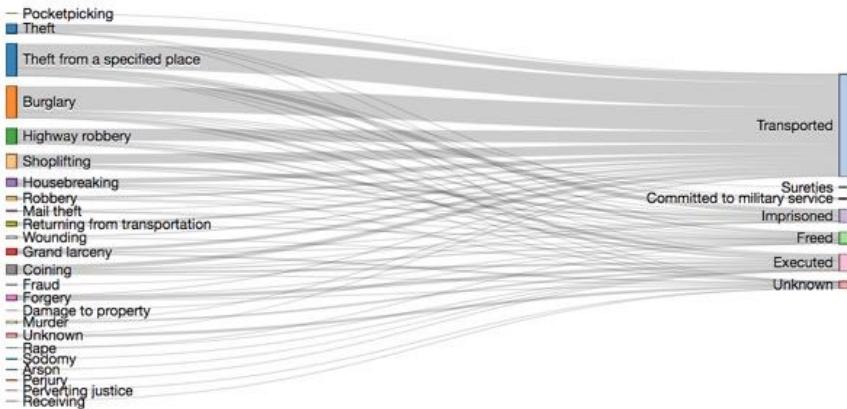
flow



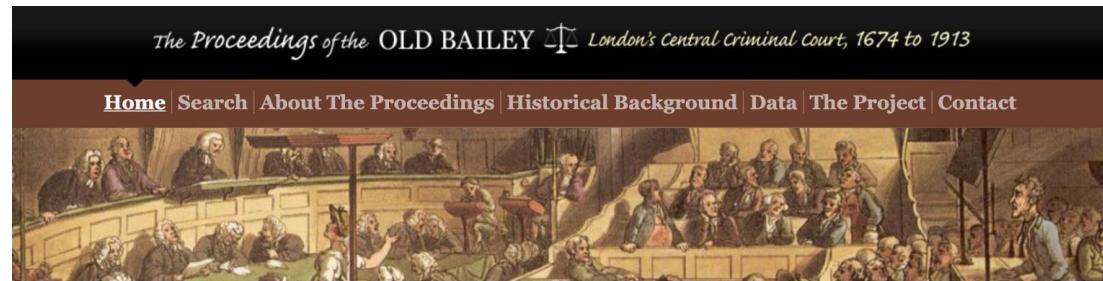
# Crime and Punishment in the Old Bailey

What actually happened to defendants sentenced to death?

763 results [Change visualisation](#) [View as list](#)



Offence is shown on the left and sentence outcome on the right. All of these defendants were sentenced to death between 1810 and 1815. But many Old Bailey defendants who were sentenced to death were not actually executed. This Sankey diagram shows what actually happened to them. [See all the results](#)



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ON THIS DAY IN... **1722**

James Lanman, (aged 11) and Samuel Armstrong, (aged 13) allegedly stole a silver snuffbox from Simon Hansel's shop. A month later they were sentenced to hang. [read more](#)

## The Proceedings of the Old Bailey, 1674-1913

A fully searchable edition of the largest body of texts detailing the lives of non-elite people ever published, containing 197,745 criminal trials held at London's central criminal court. If you are new to this site, you may find the [Getting Started](#) and [Guide to Searching](#) videos and tutorials helpful.

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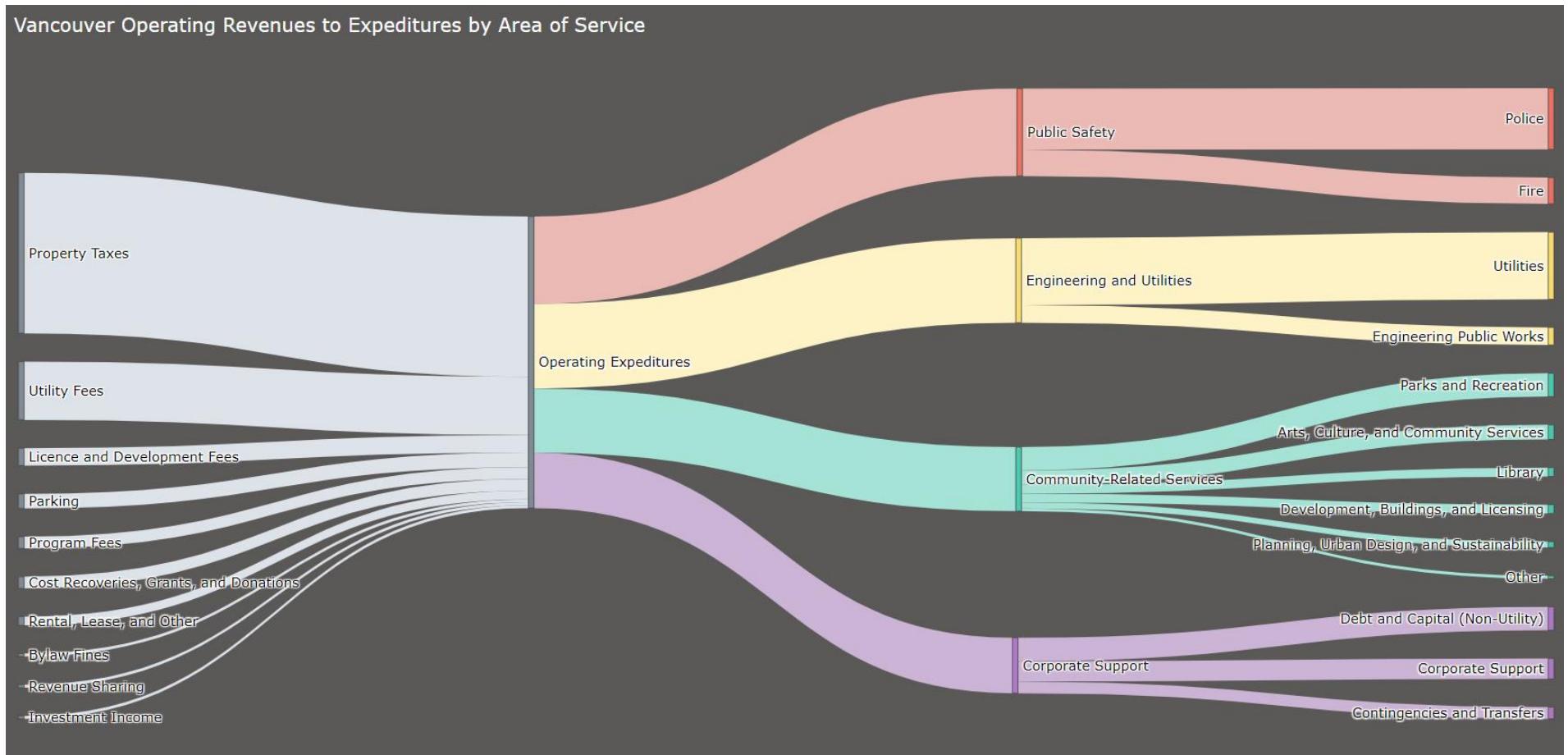
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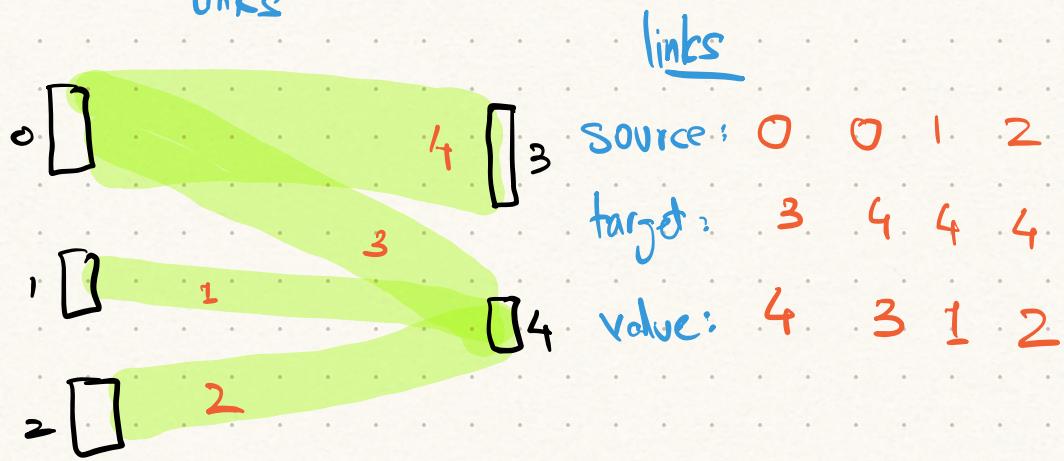
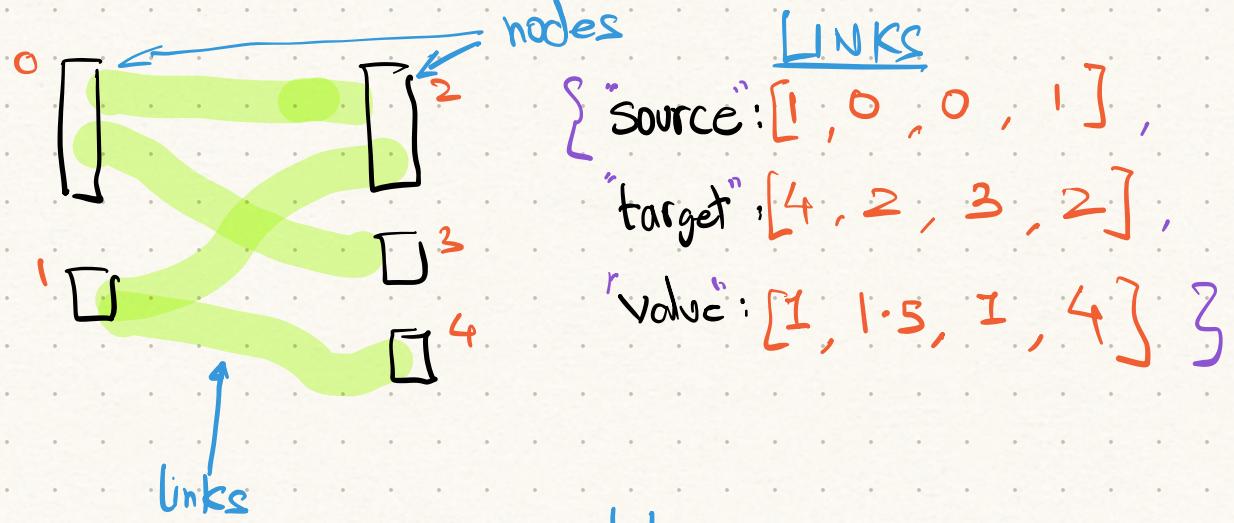
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February 2018 Update

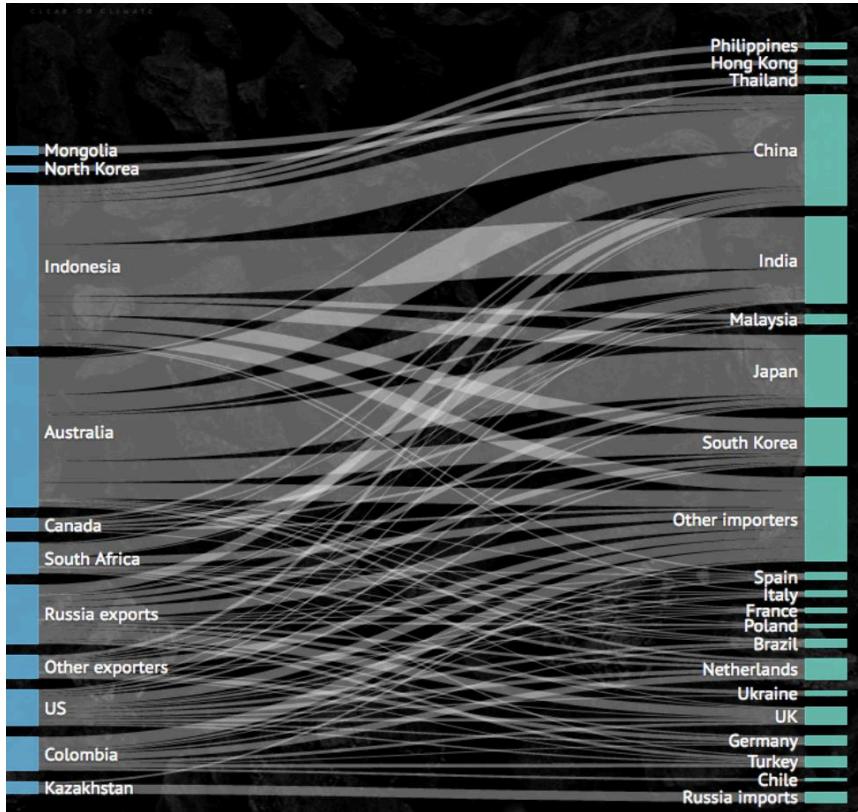
Several bugs have been fixed and tagging errors corrected. In addition, the following new features have been added: '

# Sankey Diagrams: Analyzing Expenses





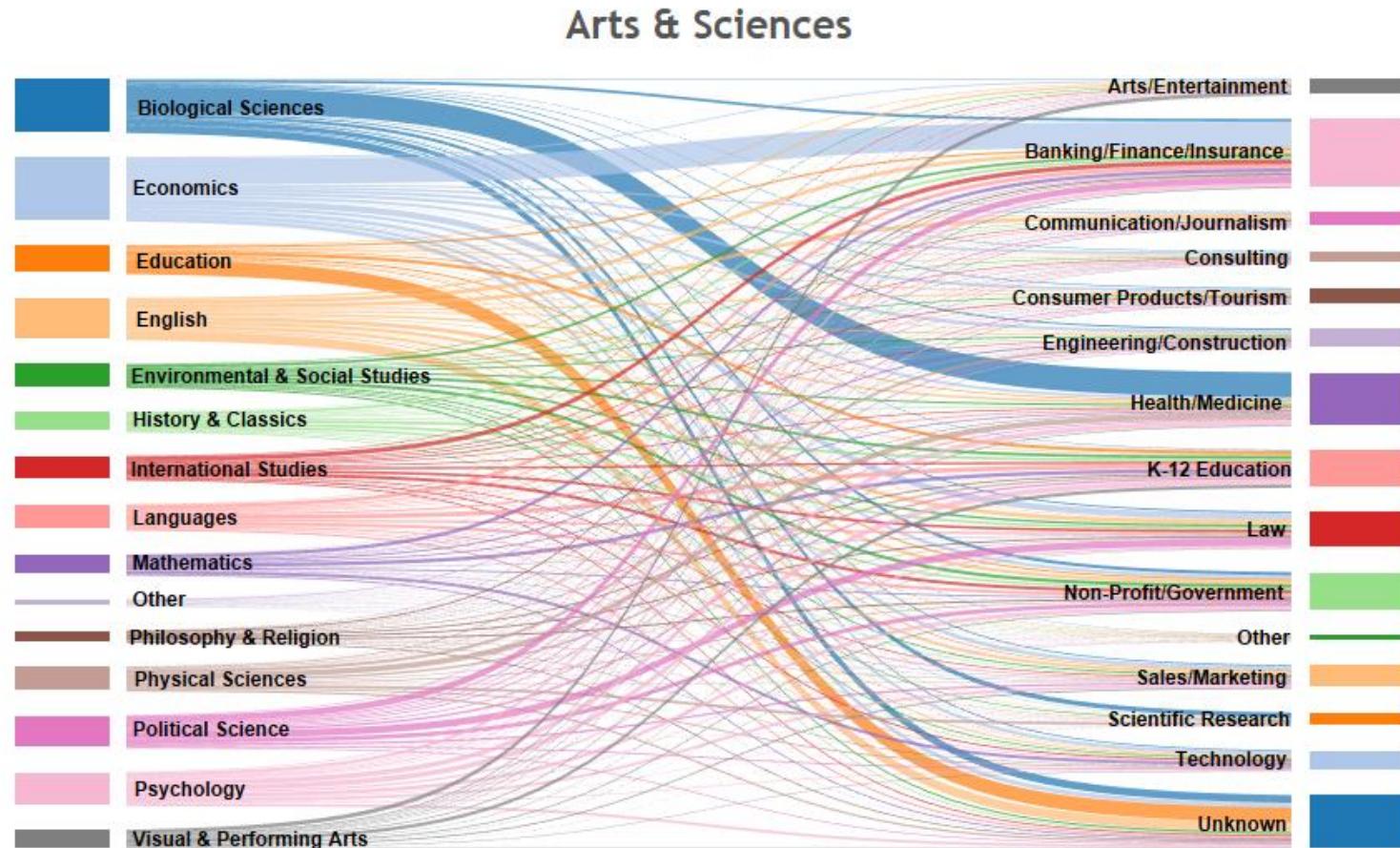
# Sankey Diagrams: Trade



2014 Coal Exports and Imports

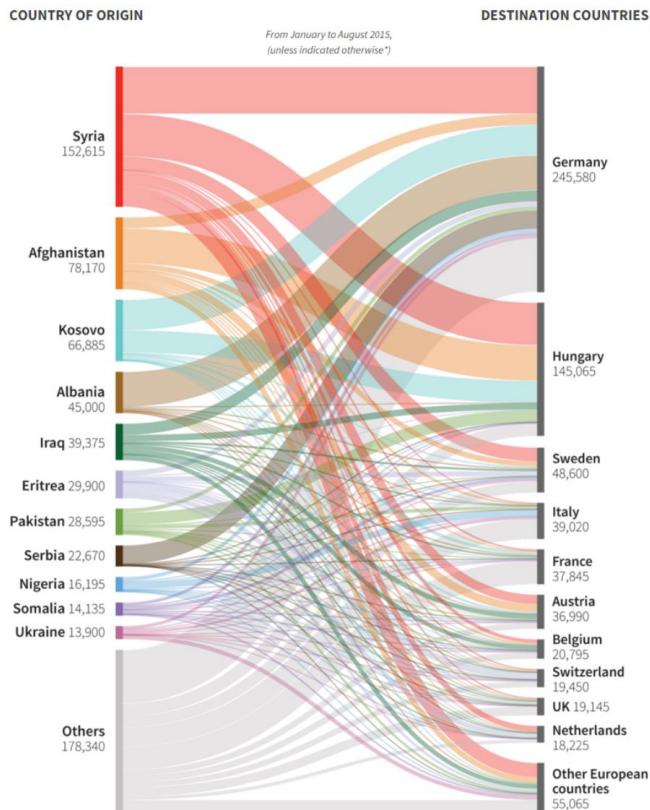


# Sankey Diagrams: The value of a liberal arts education



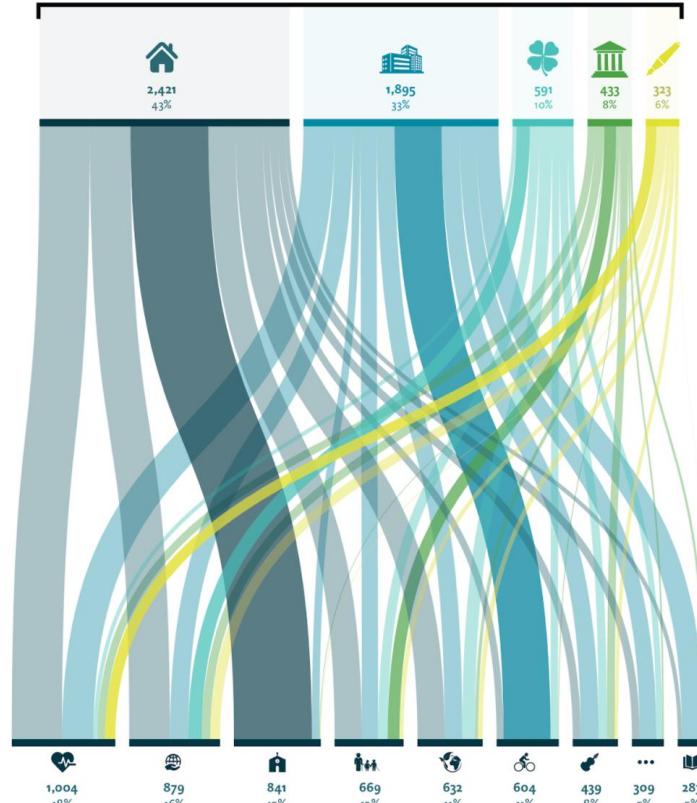
# Sankey Diagrams: Migration Patterns

Asylum seekers in Europe



\*\*Latest data available for Czech Republic, Denmark, Estonia, Ireland, Greece, France, Italy, Latvia, Malta, Austria, Portugal, Romania, Slovakia, Finland, UK, and Iceland is for July. Latest data available for Spain, Cyprus and Liechtenstein is for the month of June. Eurostat data as of Oct. 2

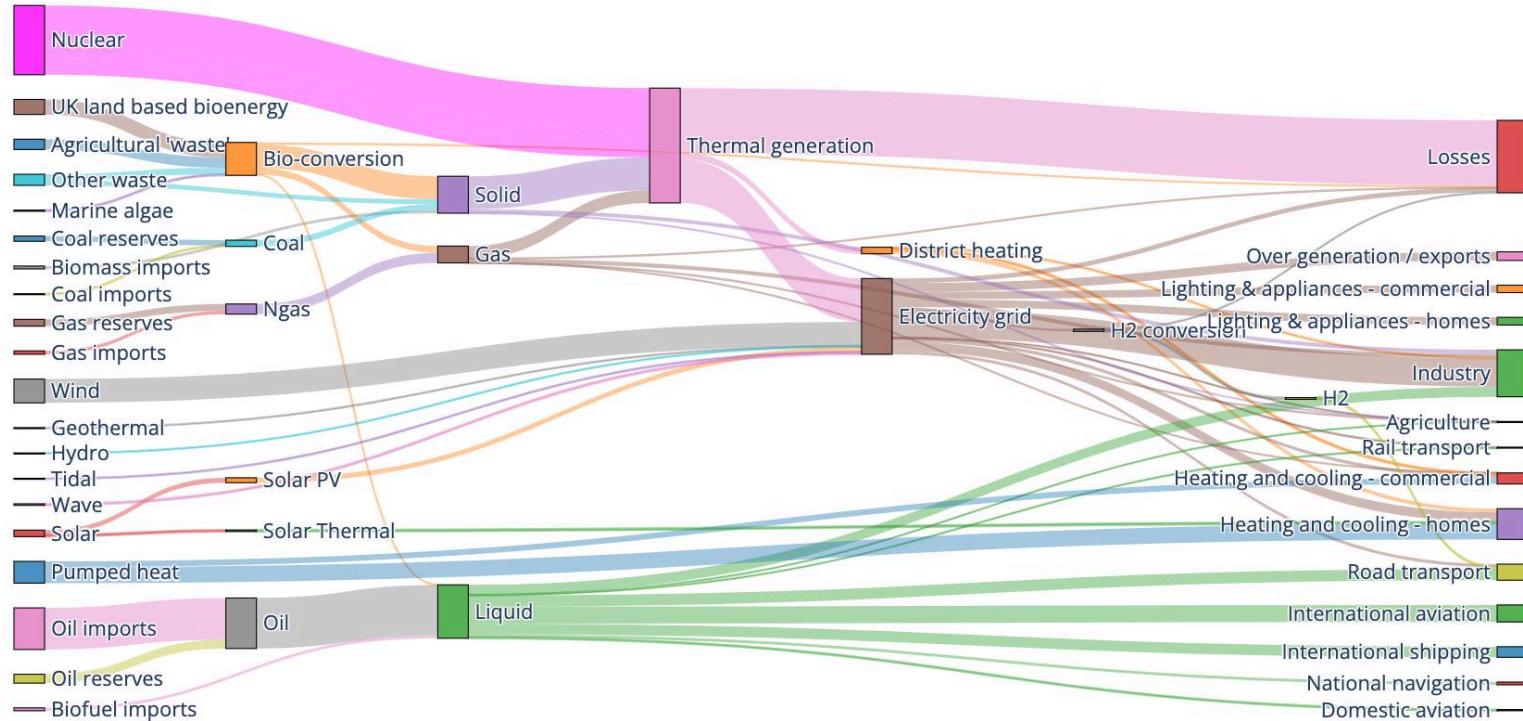
III 2015  
the Netherlands gave  
€ 5.7 billion  
this amount equals  
0.8% of GDP



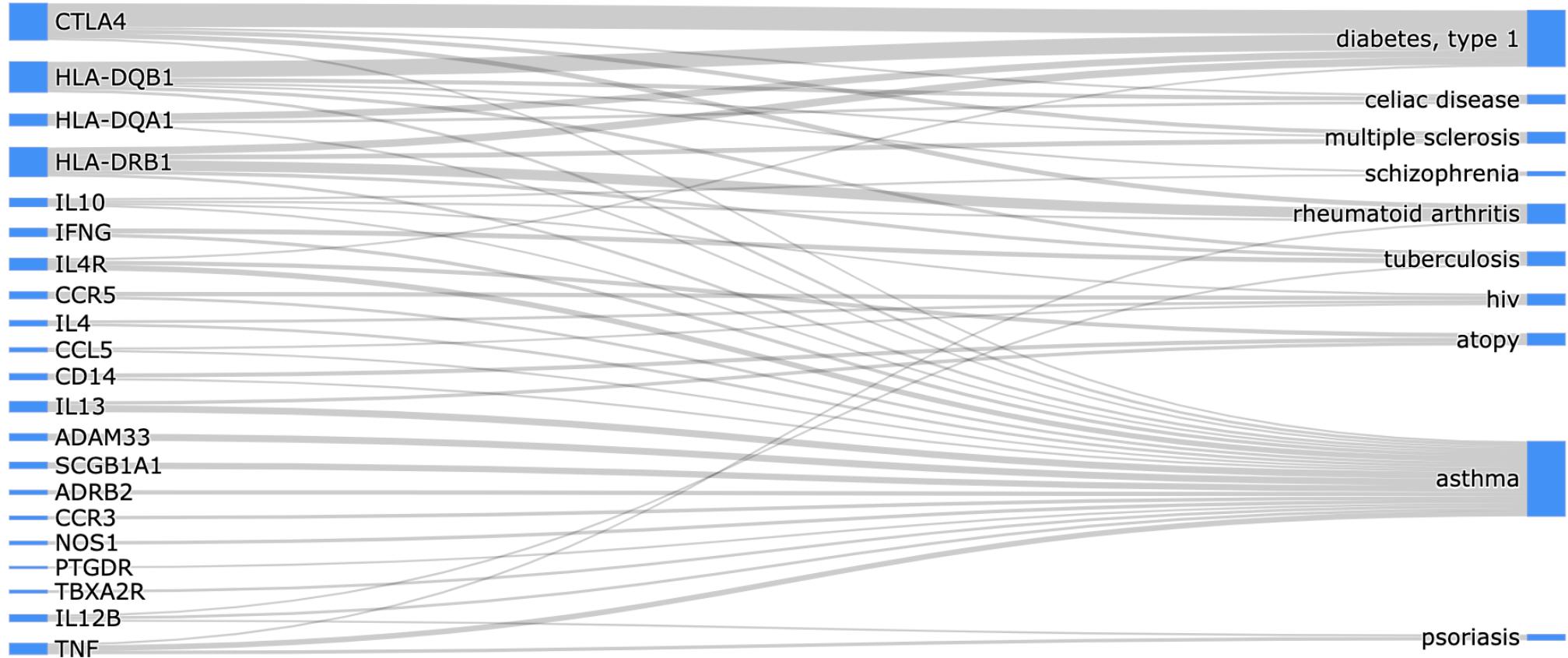
# Energy Forecasting

Energy forecast for 2050

Source: Department of Energy & Climate Change, Tom Counsell via [Mike Bostock](#)



# Sankey: The Genetic Association Database



# Links between Asthma and Type 1 Diabetes

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Original Investigation | Pediatrics



March 12, 2020

## Familial Coaggregation of Asthma and Type 1 Diabetes in Children

Awad I. Smew, MD<sup>1</sup>; Cecilia Lundholm, MSc<sup>1</sup>; Lars Sävendahl, MD, PhD<sup>2</sup>; et al

» Author Affiliations | Article Information

JAMA Netw Open. 2020;3(3):e200834. doi:10.1001/jamanetworkopen.2020.0834

### Key Points | Español | 中文 (Chinese)

**Question** Is there an association between childhood asthma and type 1 diabetes and do shared familial factors contribute to the comorbidity?

Wolters Kluwer

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*Medicine (Baltimore)*. 2015 Sep; 94(36): e1466.

PMCID: PMC46166

Published online 2015 Sep 11.

PMID: 263567

doi: [10.1097/MD.0000000000001466](https://doi.org/10.1097/MD.0000000000001466)

### Type 1 Diabetes and Increased Risk of Subsequent Asthma

A Nationwide Population-Based Cohort Study

Yung-Tsung Hsiao, MD, Wen-Chien Cheng, MD, Wei-Chih Liao, MD, Cheng-Li Lin, MS, Te-Chun Shen, MD, Wei-Chun Chen, MD, Chia-Hung Chen, MD, and Chia-Hung Kao, MD

Monitoring Editor: Zhu. Xiaolin

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### Abstract

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The association between type 1 diabetes mellitus (T1DM) and asthma remains controversial and has led to new interest in these 2 disorders. The purpose of this study was to examine the associations among young people with T1DM and asthma and offer a clinical demonstration of the balance between Th1 and Th2 responses.



Northeastern University

# Circle Graphs: Single-Set Sankey

