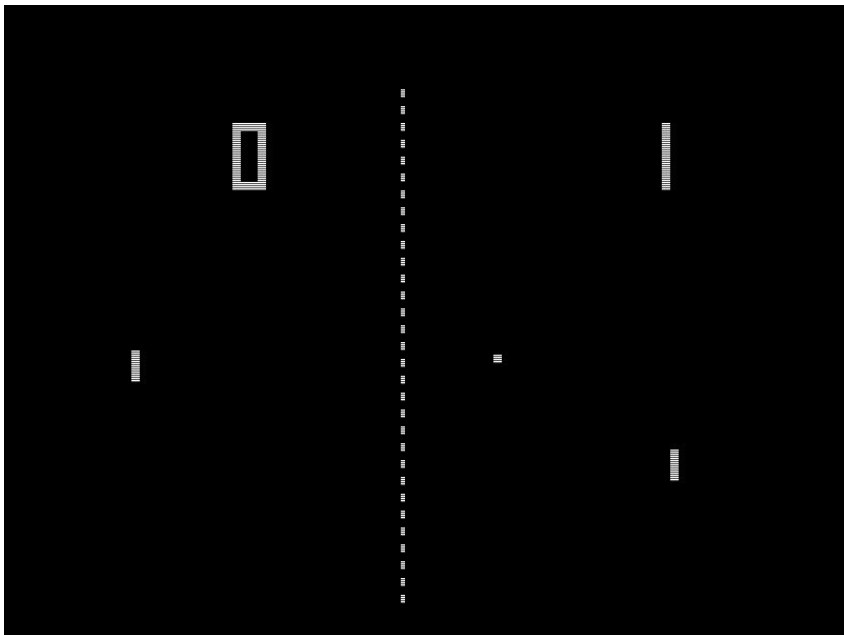


Sieciowe narzędzia do wizualizacji wiedzy w popularyzacji humanistyki cyfrowej

dr Radosław Bomba

Instytut Kulturoznawstwa UMCS
Centrum Badań Gier Wideo UMCS





RAWGraphs

The missing link between spreadsheets and data visualization.

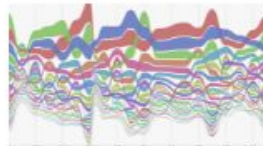
USE IT NOW!

FORK IT ON GITHUB



Bump Chart

Time series



For continuous data such as time series, a bump chart can be used in place of stacked bars. Based on New York Times's interactive visualization.



Convex Hull
Dispersion



Delaunay Triangulation
Dispersion



Hexagonal Binning
Dispersion



Scatter Plot
Dispersion



Voronoi Tesselation
Dispersion



Box plot
Distribution



Circular Dendrogram
Hierarchy



Cluster Dendrogram
Hierarchy



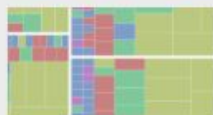
Circle Packing
Hierarchy (weighted)



Clustered Force Layout
Hierarchy (weighted)



Sunburst
Hierarchy (weighted)



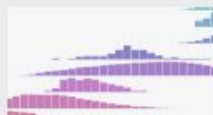
Treemap
Hierarchy (weighted)



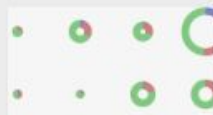
Alluvial Diagram
Multicategorical



Parallel Coordinates
Multivariate



Bar chart
Other



Pie chart
Other



Gantt Chart
Time chunks



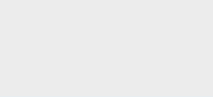
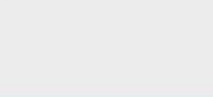
Area graph
Time series



Bump Chart
Time series



Horizon graph
Time series





Load your data



Paste



Upload a file



From URL



Try our samples

Paste your data here from other applications

Copy and paste your data from other applications or websites. You can use tabular (TSV, CSV, DSV) or JSON data

Customize your Visualization

Width

847.5

Height

500

Node Width

5

Sort By

size

Color Scale

Ordinal (categories)

Search...

Action

#f50c0c

Adventure

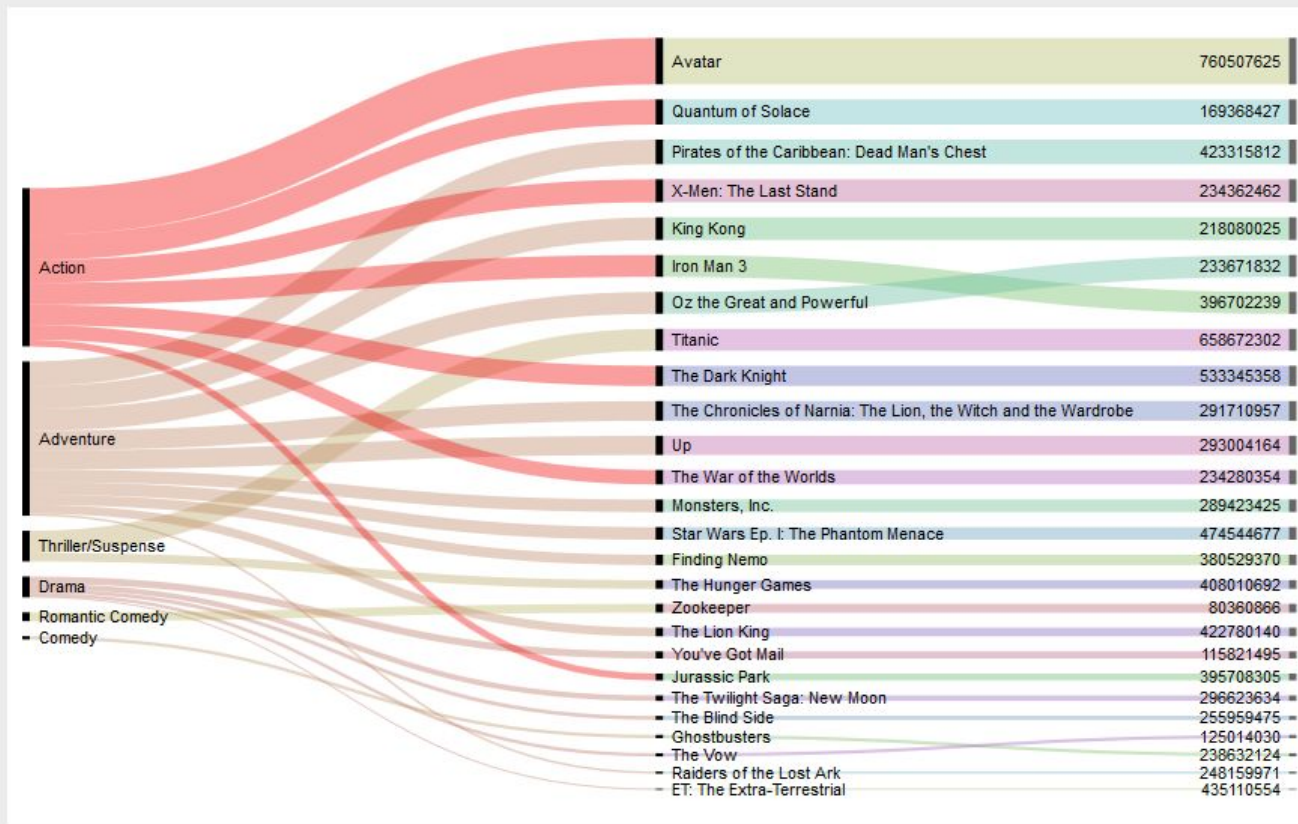
#bf8969

Avatar

#b4bf69

Comedy

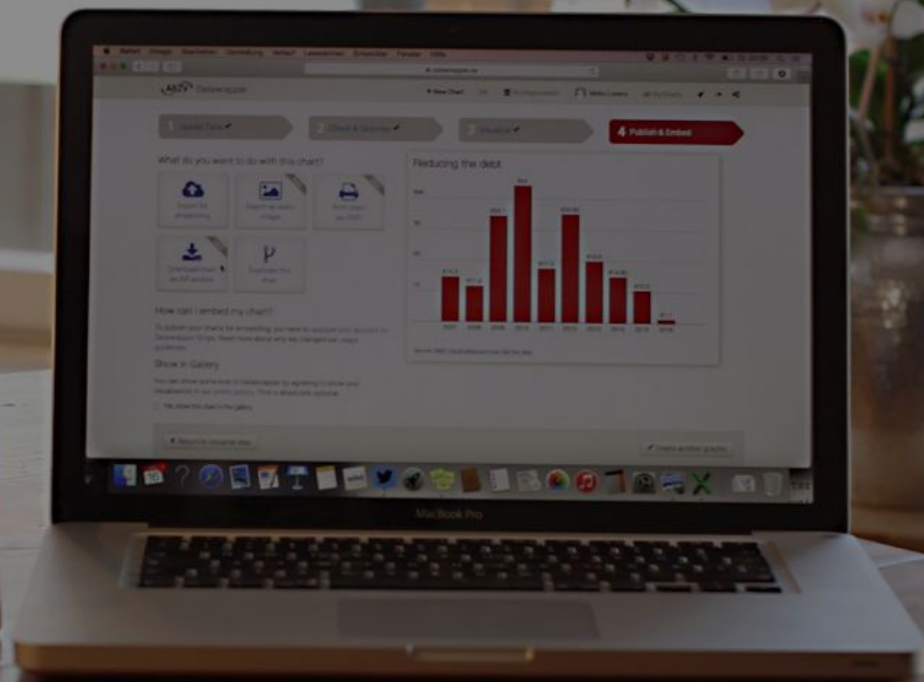
#bf9969



Create amazing visualizations in seconds.

[CREATE A CHART](#)[CREATE A MAP](#)

or [Create account & sign in](#)



Now everybody in the team can create and publish charts.

Create amazing charts yourself in minutes with Datawrapper.

1.

Copy & Paste your data.

You can feed Datawrapper with any data from Excel, CSVs, PDFs or the web.

Transposing data table

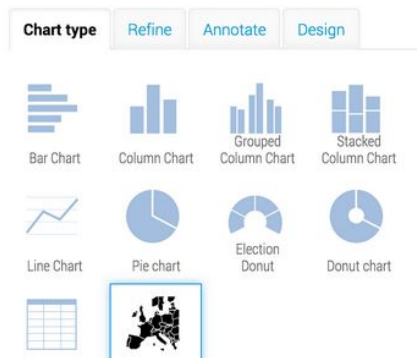
Customize column format

1	State	A	B
2	Alabama		Unemployment Rate, Oct 2013
3	Alaska		6.5
4	Arizona		6.5
5	Arkansas		8.20
6	California		7.5
7	Colorado		6.70
8	Connecticut		6.80
9	Delaware		7.9
10	District of Columbia		6.80
11	Florida		6.9
12	Georgia		6.7

2.

Select your visualization.

Choose from stunning graph and maps templates to give your story an extra punch.



3.

Watch your engagement rise!

Datawrapper graphs can be embedded into any website or CMS with ready-to-use embed codes.



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Spunky Scientific Visualization Safely learn about the plague, ebola and marburg at the [deadly genomes](#) depot.



BECAUSE DINO DNA IS MILLIONS OF YEARS OLD,
THERE ARE USUALLY GAPS IN THE CODE. OUR
PALEOGENETICISTS USE DNA FROM RELATED
SPECIES, SUCH AS BIRDS AND CROCODILES, TO
FILL IN THE MISSING SEQUENCES.

THE TERRIFYING DINOSAUR CORN GENOME

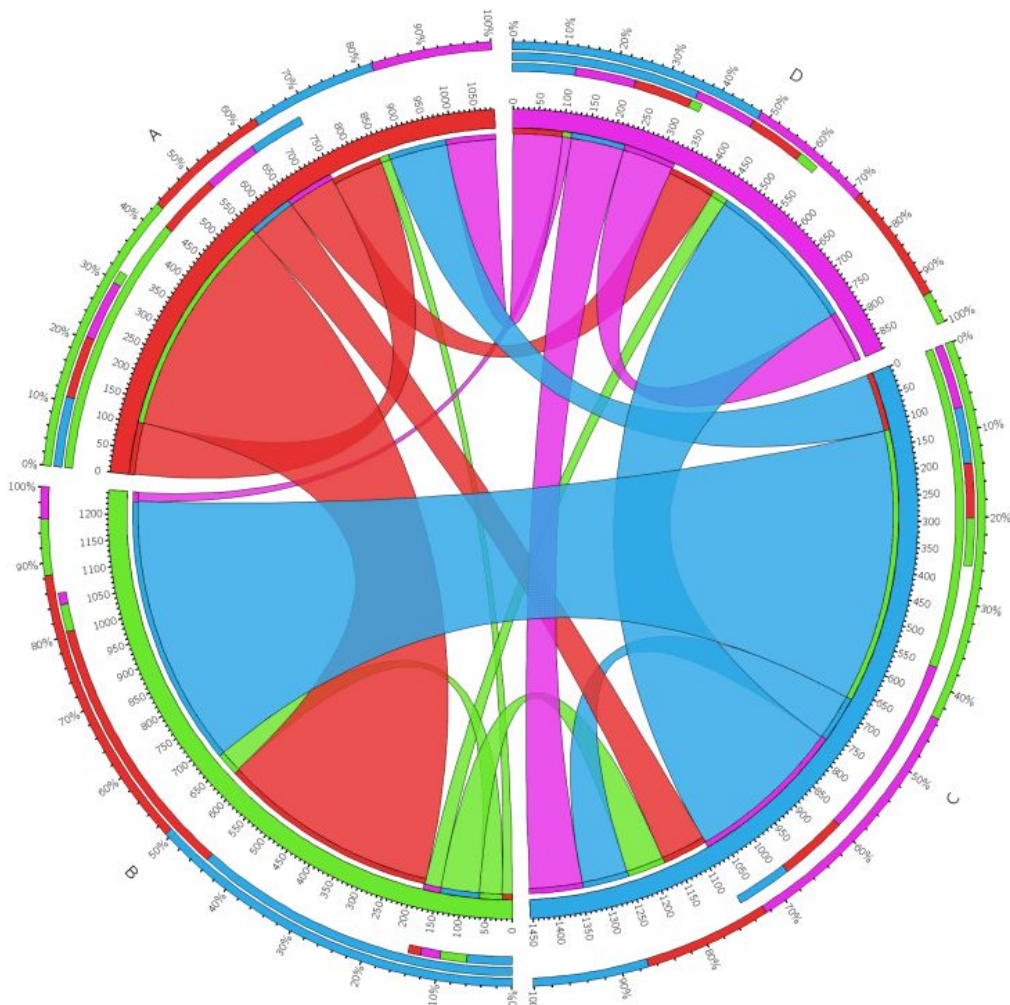
Amblin Entertainment and Legendary Pictures, the studios that produced Jurassic World, try to inject genome science into the movie. Unfortunately, since we don't quite know how to construct viable genomes of extinct species, much less grow the creatures themselves, we don't know whether the depiction of the science is right. Perhaps theirs is exactly what a genome lab would look like in a dino-building facility.

But, we can get fewer things wrong. In the [Creation Lab](#) companion website, a Circos image is used to illustrate a triceratops genome.

Unfortunately, this is an image of the B73 Maize reference genome (B73 RefGen_v1), as published in Nature's [The B73 Maize Genome: Complexity, Diversity, and Dynamics](#).

Schnable PS Ware D Fulton RS *et al.* (2009) [The B73 maize genome: complexity, diversity, and dynamics](#) *Science* **326** (5956) 1112-1115

[PUBLISHED IMAGES](#)[DATA VISUALIZATION](#)[FEATURES](#)[CIRCULAR APPROACH](#)[GENOMIC DATA](#)[GENERAL DATA](#)[TABULAR VISUALIZATION](#)



DOWNLOAD

VISUALIZE

```
# Medium tab-delimited table with mixed row and column labels.
#
# + column order (first row)
#
# When uploading this file, make sure you check off the fields shown below.
#
# order [ ] col with row order [x] row with col order
# size [ ] col with row size [ ] row with col size
# color [ ] col with row colors [ ] row with col colors
```

data	1	7	3	4	2	6	5
data	A	B	C	D	E	F	G
A	105	450	92	96	5	301	195
B	20	46	78	33	53	28	83
C	118	553	94	317	25	89	287
D	100	18	108	104	105	25	173
H	23	83	123	342	98	48	205
I	173	428	103	328	82	215	23
J	305	173	138	49	81	258	207



Visualize complex historical data

Start »

Create a new Palladio project by uploading your data from a spreadsheet or flat-file, or [see how Palladio works?](#)

Load .csv or spreadsheet

Copy and paste out of your spreadsheets, drag-and-drop to upload tabular data (e.g. .csv) or a Dropbox folder to create a new Palladio project. [Not sure how to structure your data?](#)

1

Load



Facet Timeline Timespan Gender M x

Gender (2)

1/2 x

M	50 / 50
F	23 / 23

Date of Death (50)

1/2 x

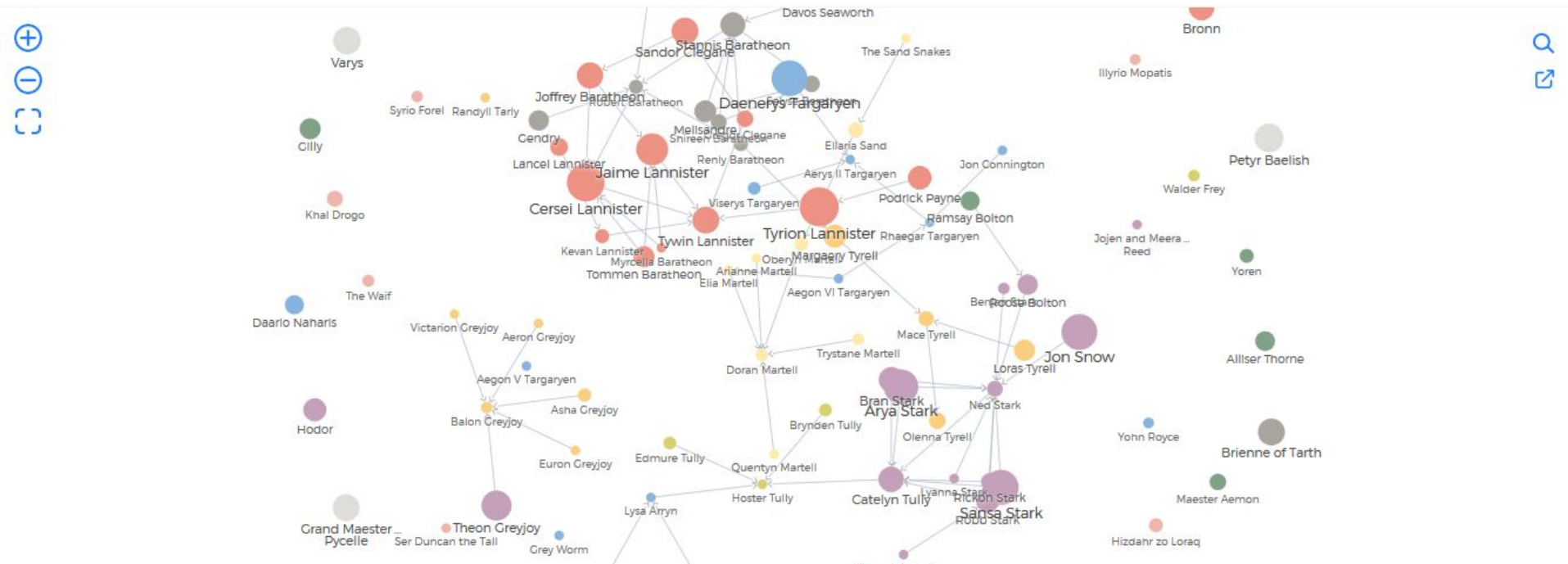
1852-01-01	1 / 2
1850-08-26	1 / 1
1856-6-20	1 / 1
1879-4-12	1 / 1
1909-12-17	1 / 1

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Every network tells a story

Build one quickly and easily to tell yours

[SIGN UP](#)[EXPLORE](#)[TRY THE DEMO](#)

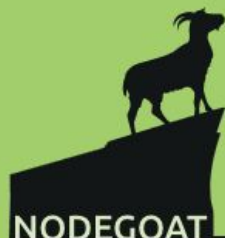


NODES

LINKS

DOWNLOAD 

NODE	TYPE	DESCRIPTION	VISIBLE	EPISODES	ACTOR	CLUSTERS	CONNECTIONS	RELEVANCE	BETWEENNESS	CLOSENES
Aegon VI Targaryen	House Targaryen	http://www.ign.com/wikis/game-of-thrones/Aegon_Targaryen				7.00	2.00	0.00	40.00	0.02
Aegon V Targaryen	House Targaryen									
Aeron Greyjoy	House Greyjoy	http://www.ign.com/wikis/game-of-thrones/Aeron_Greyjoy				1.00	1.00	0.00	0.00	0.02
Aerys II Targaryen	House Targaryen	http://www.ign.com/wikis/game-of-thrones/Aerys_II_Targaryen				7.00	3.00	0.00	23.00	0.02
Alliser Thorne	Night's Watch & wildlings	http://www.ign.com/wikis/game-of-thrones/Alliser_Thorne		16.0	Owen Teale					
Areo Hotah	House Martell			5.0	DeObia Oparei					
Arianne	House					6.00	1.00	0.00	0.00	0.02

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Username

Password

Lost your password? Click
here.

[Login](#)

nodegoat is a web-based data management, network analysis & visualisation environment.

Using nodegoat, you can create and manage any number of datasets by use of a graphic user interface. Your custom data model autoconfigures the backbone of nodegoat's core functionalities.

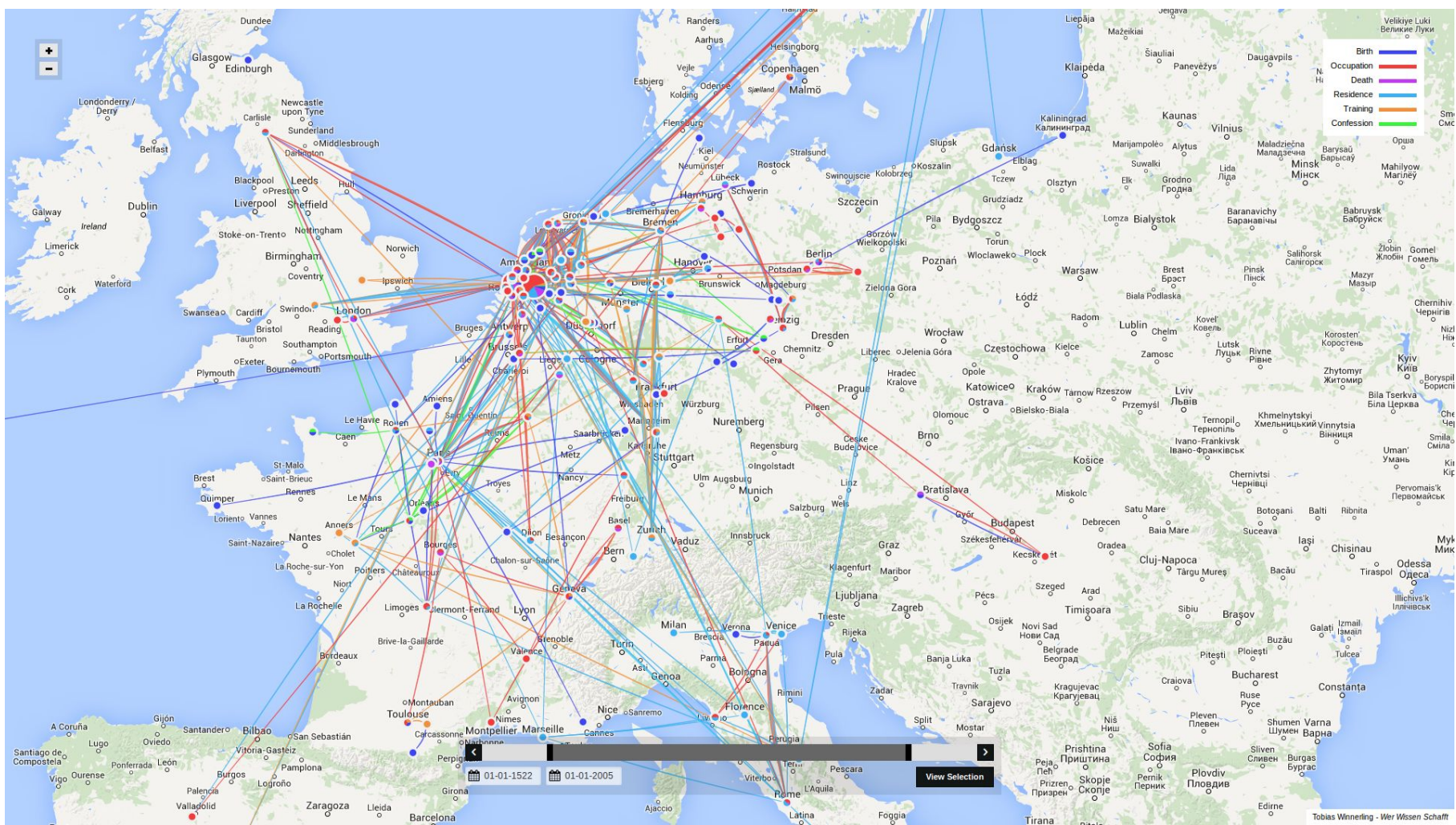
Within nodegoat you are able to instantly analyse and visualise datasets. nodegoat allows you to enrich data with relational, geographical and temporal attributes. Therefore, the modes of analysis are inherently diachronic and ready-to-use for interactive maps and extensive trailblazing.

05th Oct
2016

Network Visualisations of 38.000 Letters of 19th Century Intellectuals

Every bit of information that is entered into nodegoat can immediately be published through a public user interface. This allows the [Encyclopedia of Romantic Nationalism in Europe](#) to instantly publish articles and a wide range of research data. This data also includes a set of over 38.000 letters that can be [queried through the public user interface](#). In this blogpost we discuss the steps we took to allow visitors to dynamically explore this dataset.





Birth
Occupation
Death
Residence
Training
Confession

01-01-1522 01-01-2005 View Selection

Image Macroanalysis in Javascript

Imj is a web-based movie barcode generator, montage generator, and image analyzer/plotter for creating visualizations for your large image sets. You can learn more about it and see some examples in [this blog entry](#), and if you make something cool, submit it to [the Imj Tumblr archive](#).

It's been tested mostly in Chrome on a MacBook Pro, and it works pretty well for me. With other platforms or browsers, your mileage may vary. It uses your CPU to process these images, so lots of really big images may take up all your memory and/or a lot of time. Your computer may freeze up; it probably won't catch on fire.

Generally speaking, smaller resolution images produce just as a good of a barcode, montage, or plot, so if you have the choice, work with smaller images whenever you can. If you have problems getting this to work, please read some [browser- and platform-specific notes](#).

Step 1. Load your images.

Select up to 9999 individual image files or a directory of files. Add more file select widgets if necessary.

Select multiple image files

OR

Select a folder of image files (Chrome only)

Przeglądaj...

Nie wybrano plików.

Przeglądaj...

Nie wybrano katalogu.

Step 2: Choose your visualization style and set some options

Barcode

Montage

Plot

Step 1. Load your images.

Select up to 9999 individual image files or a directory of files. Add more file select widgets if necessary.

Select multiple image files

OR

Select a folder of image files (Chrome only)

Przeglądaj...

Nie wybrano plików.

Przeglądaj...

Nie wybrano katalogu.

Step 2: Choose your visualization style and set some options

Barcode

Montage

Plot

Canvas Width ⓘ

5000

px

Canvas Height

1200

px

Smoothing ⓘ

None

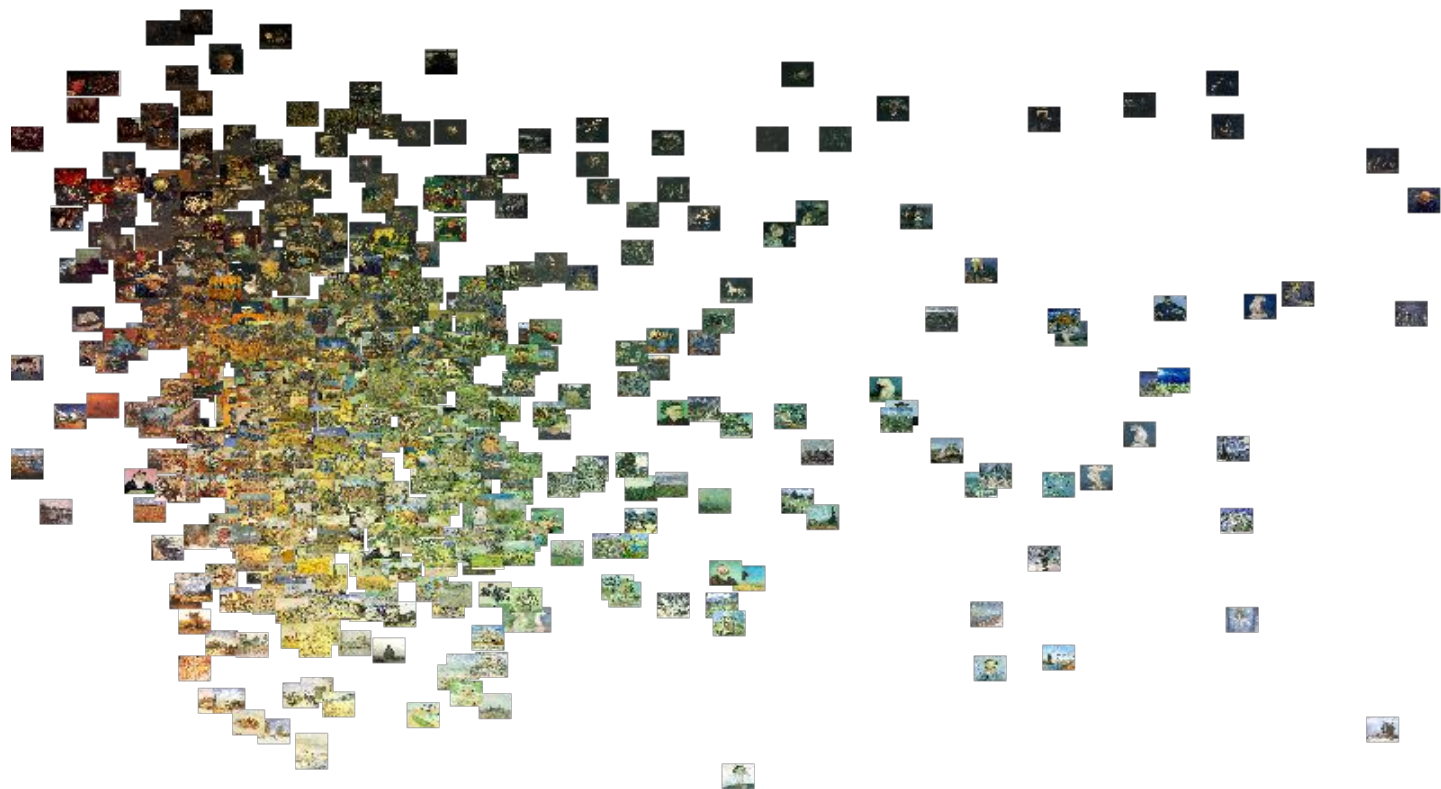


Apply Settings

Step 3: Review

Step 4: Watch it Happen

When the image is done loading, right-click and "Save As...", or use the download link above.



VOYANT

see through your text

Add Texts

Type in one or more URLs on separate lines or paste in a full text.

 Open

Upload

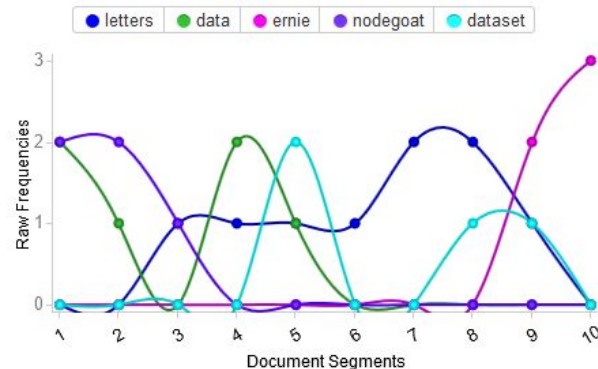
 Reveal

Voyant Tools is a web-based reading and analysis environment for digital texts.



nodegoat is a web-based data management, network...

nodegoat is a web-based data management, network analysis & visualisation environment. Using nodegoat, you can create and manage any number of datasets by use of a graphic user interface. Your custom data model autoconfigures the backbone of nodegoat's core functionalities. Within nodegoat you are able to instantly analyse and visualise datasets. nodegoat

Terms:

This corpus has 1 document with 400 total words and 211 unique word forms. Created 3 seconds ago.

Vocabulary Density: 0.527

Average Words Per Sentence: 19.0

Most frequent words in the corpus: letters (9); data (8); emrie (5); nodegoat (5); dataset (4)

Items:

Document	Left	Term	Right
1) node...	05thOct2016 Network Visualisations o...	let...	of 19th Century Intellectuals Every
1) node...	a set of over 38.000	let...	that can be queried through
1) node...	of metadata of over 38.000	let...	of nineteenth century intellectuals. This
1) node...	a range of publications of	let...	, like Breve fra og til
1) node...	the metadata of over 18.000	let...	of Jacob and Wilhelm Grimm

 9 context expand



GITHUB

ODYSSEY

A simple way for journalists, designers,
and creators to weave interactive stories



CREATE STORY

DOCUMENTATION

ODYSSEY SANDBOX

SELECT YOUR TEMPLATE

Templates give you different ways to unfold your story



Display visualization chapters like slides in a presentation

SLIDES



Create a visualization that changes as your reader moves through your narrative

SCROLL



Link story elements to moments in time using this animated map template

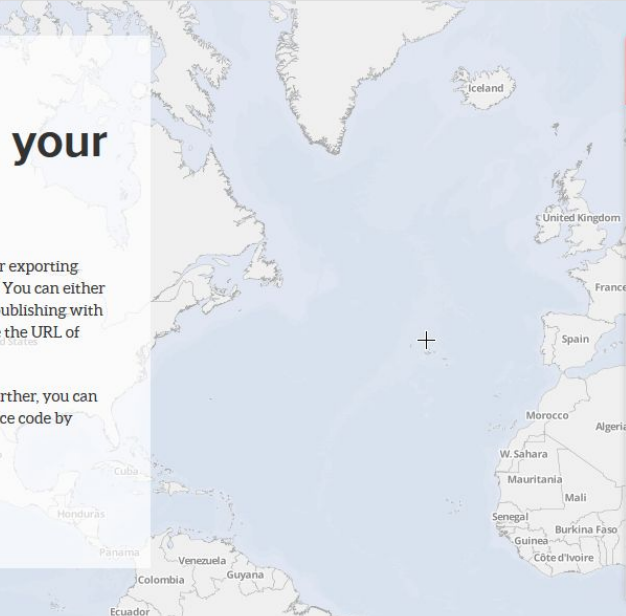
TORQUE

ODYSSEY SANDBOX

your

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By clicking on the current position are highlighting

Then add here the slide so it's slide

#How to add more

```
- center: [40.73  
- zoom: 9  
L.marker([40.734  
-73.9970]).addTo
```

By adding new [M
(http://daringfi
/markdown/)) h1
states to your s

#Adding images t

```
- center: [40.73  
- zoom: 13
```

?

CartoDB Light

Hardcore DH



Casual DH

Front-end i back-end – początkowe oraz końcowe stadium procesu. Front-end jest odpowiedzialny za pobieranie danych od użytkownika oraz przekazanie ich do back-endu. Następnie back-end na podstawie tych danych wykonuje określone zadanie. Opcjonalnie front-end może pokazać użytkownikowi wyniki otrzymane od back-endu. Często stosowanym tłumaczeniem jest „fasada” i „wnętrze”.

Wikipedia

Front-end DH

Back-end DH

Big digital humanities

1. Różne modele zaangażowania (badanie obiektów cyfrowych, narzędzi i ekspresji) i tradycje
2. Humanistyka cyfrowa jako liminalna przestrzeń kontaktu
3. Laboratorium humanistyki

BIG DIGITAL HUMANITIES

IMAGINING A MEETING PLACE FOR
THE HUMANITIES AND THE DIGITAL



PATRIK SVENSSON

Miękka humanistyka cyfrowa (Soft DH)

- nacisk na tworzenie otwartych sieciowych aplikacji i narzędzi
- intuicyjny interfejs
- łatwość obsługi i adaptacji do różnych modeli zaangażowania
- otwartość na “nie programistów”
- otwartość na krytykę zmiany i sugestie użytkowników
- perspektywy zastosowań poza badawczych

Dziękuję za uwagę!!!

dr Radosław Bomba

radoslawbomba@gmail.com

rbomba.pl

<http://datamatic.io/index.html> <https://www.polinode.com/>