



Data Science For Design

The visibility of places in newspaper

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Context

- The place is an necessary element in newspaper articles.
- Places becomes visible because of events happened there.
- People know these events through media.

HWW 人民日报海外版-海外网 11-26 来自微博 weibo.com

【紧急寻人！一中国留学生在英国爱丁堡失联】一名在英国爱丁堡大学AI专业读硕士的中国留学生胡兴帅与家人、朋友失去联系。据警方调查，胡兴帅在当地时间24日晚上10:30左右于爱丁堡韦弗利火车站乘坐火车，半小时后在昆斯费里站火车站下车。25日，他的行李在福斯公路桥被发现。

CHINA DAILY 中国日报 11-26 来自微博 weibo.com

【一中国留学生在英国爱丁堡失联】一名在英国爱丁堡大学AI专业读硕士的中国留学生胡兴帅与亲友失去联系。据警方调查，胡兴帅在当地时间24日晚上10:30左右于爱丁堡韦弗利火车站乘坐火车，半小时后在昆斯费里站火车站下车。25日，他的行李在福斯公路桥被发现。@中国侨网 一中国留学生在英国爱丁堡失联 家人朋友急寻



的信息如下，希望大家能帮忙在朋友圈和FB转发一下，谢谢大家。胡兴帅 爱大AI专业硕士生 23岁 于11.24晚10:30在爱丁堡Waverley火车站上车，11:00在Queensferry station下车。一些随身物品在forth road bridge 附近被发现，请大家帮忙在这两个地点在FB寻求帮助吧 谢谢

东南

苏醒醒来了: 感觉最近好多事，希望他能平安❤️❤️

Edinburgh, UK

Edinburgh, UK

University of Edinburgh

头条 紧急24小时！求扩散！英国爱丁堡紧急寻一名失踪中国留学生，已报警，希...

【紧急寻人】一中国留学生在英国爱丁堡失联

!! 寻人启事：从昨天晚上到现在有一位朋友一直处于失联的状态，现有的信息如下，希望大家能帮忙在朋友圈和FB转发一下，谢谢大家。

胡兴帅 爱大AI专业硕士生 23岁 于11.24晚

全文

(转) 希望人没事🙏

寻人启事：

大家这两天有见过这个人吗？他叫胡兴帅，爱大AI专业的，周四下午还有人见他在lab，昨天下午3点他还发信息给anlp的partner说今天找他做作业，但下午要出去

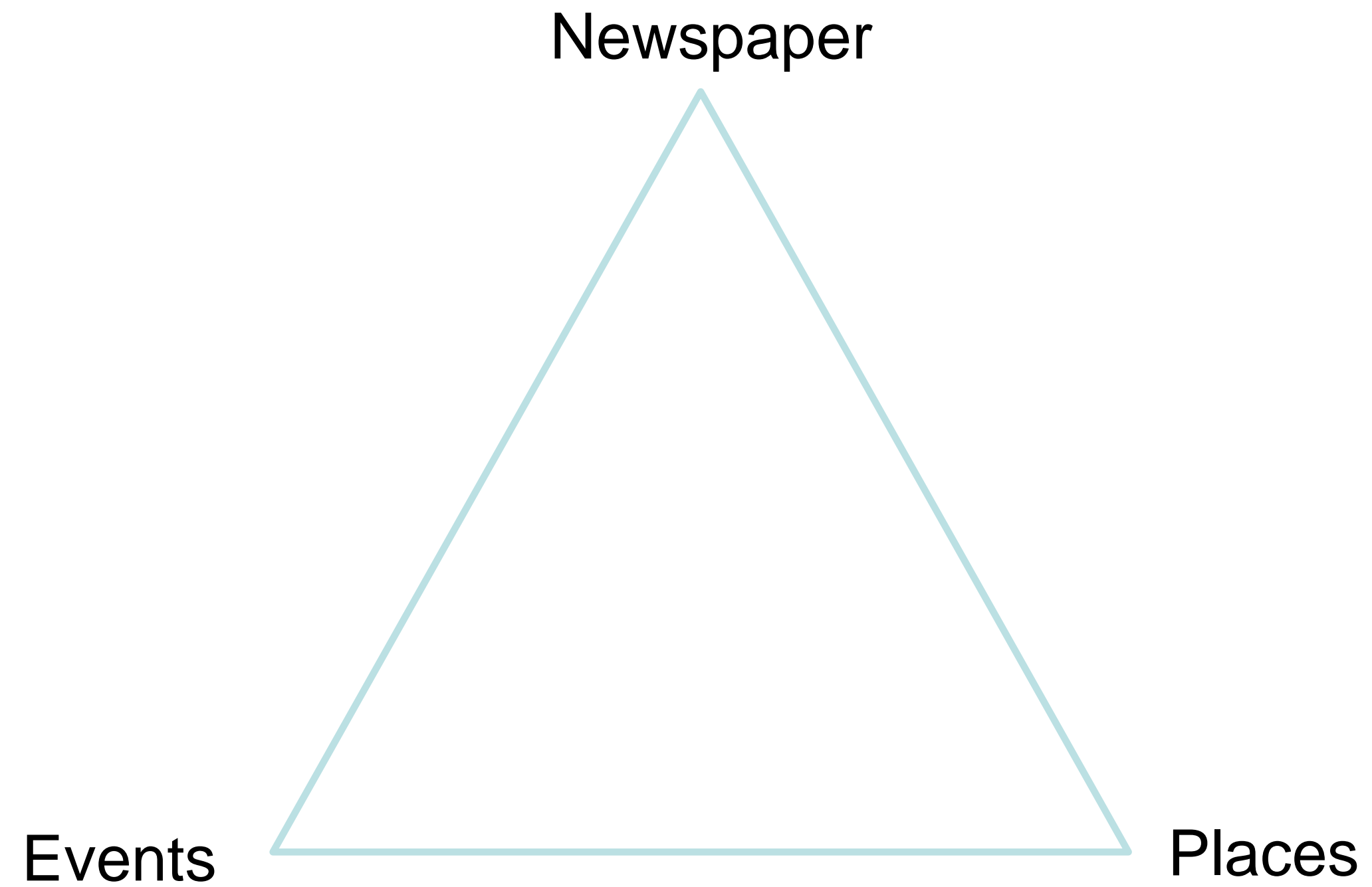
全文



Waverley Train Station at around 10:30 pm on Friday 24th November and arrived at North Queensferry Train Station around 11:00 pm the same evening. Since then the 23-year-old has not been seen or heard from and concern is growing for his welfare. Some of Wanghui's personal belongings were found near the North Queensferry bridge and inquiries are being conducted in this area, as well as across Edinburgh and Fife to locate him. Anyone who knows Wanghui's current whereabouts is asked to come forward. He is described as being Chinese, 5'7" tall with an average build, black hair and brown eyes. It is not known what clothing he may be wearing. Inspector Steven Stewart said: "We need to trace Wanghui as soon as possible to ensure his safety and anyone with information should contact police immediately."

3天前

1950 Dundee



Explore the visibility of places in Dundee with word frequency in the newspaper.

Data

The screenshot displays the homepage of The British Newspaper Archive. The top navigation bar includes the site logo, a search icon, and links for 'HOME', 'SAVED', 'BLOG', 'HELP', and 'ABOUT'. On the right side of the header, there are buttons for 'Sign-in', 'Register', and 'Subscribe', along with a 'BRITISH LIBRARY' logo. A central banner features the text 'Unlock the tools for your research' and a 'Try it for FREE' button. Below this, a large image of a historic street scene is overlaid with the headline 'Discover History As It Happened' and the subtext 'Access hundreds of historic newspapers from all over Britain and Ireland'. A search bar is positioned below the headline, containing the placeholder text 'Search people, places, events and more' and a search icon, with an 'Advanced Search' link to its right. Underneath the search bar, a 'Browse by' menu lists categories: 'Date', 'Country', 'Region', 'County', 'Place', and 'Recently Added titles'. A large white box in the center of the page displays '22,673,989 Pages' and 'Dating from the 1700s'. The bottom of the image shows a Windows taskbar with various application icons and a system tray on the right displaying the time '0:46' and date '2017/11/30'. A blue notification bubble in the bottom right corner of the browser window reads '打开 U 盘 (ESD-U...) 可用:3.5G'.

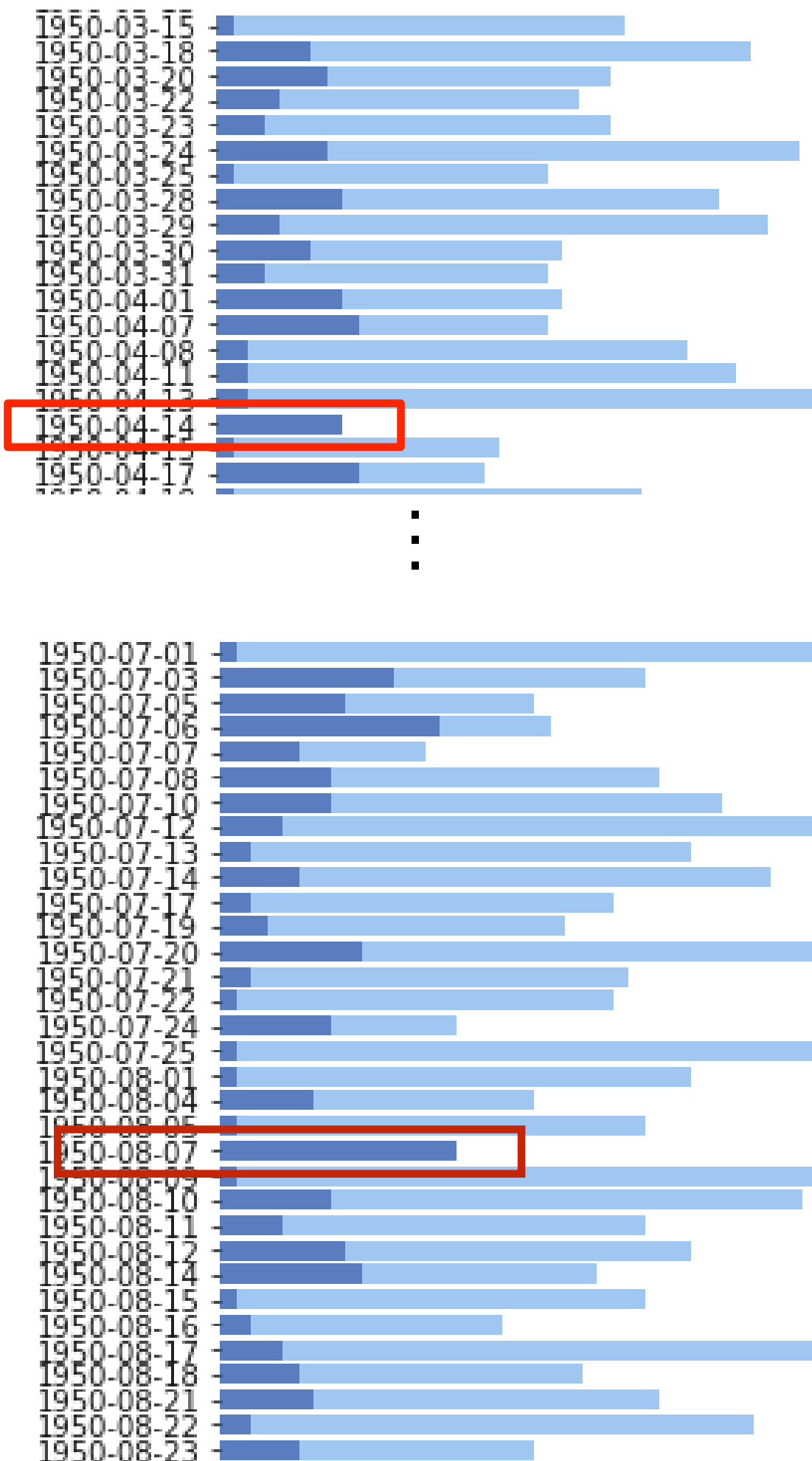
Data

```
In [2]: from collections import Counter
lst= data['title']
c = Counter(i.capitalize() for x in lst for i in x.split())
print(c.most_common(200))
```

```
[('Dundee', 1533), ('For', 1438), ('In', 1375), ('To', 1113), ('At', 841), ('And', 652), ('The', 649), ('Angus', 586), ('On', 539), ('A', 473), ('Of', 469), ('Estates', 469), ('Arbroath', 425), ('Man', 370), ('New', 356), ('Perth', 335), ('Fife', 328), ('Forfar', 327), ('Montrose', 299), ('From', 237), ('Brechin', 222), ('Show', 204), ('Church', 201), ('Is', 198), ('Prices', 189), ('May', 178), ('League', 168), ('Cup', 168), ('Wedding', 167), ('Be', 166), ('Winners', 163), ('With', 153), ('By', 152), ('Scots', 151), ('Shipping', 148), ('Was', 144), ('W
```

	place	lat	long	title	date	freq
1	Arbroath	56.5623	-2.5841	Arbroath Bride For Navyman	1950-07-31	1113
2	Forfar	56.6441	-2.8890	In Firm'S London	1950-05-13	916
3	Montrose	56.7092	-2.4672	Angus Police Sports Officials	1950-04-07	760
4	Brechin	56.7322	-2.6603	Ninety-Nine To-Day	1950-03-23	677
5	Carnoustie	56.5014	-2.7090	North End Bank On Amateurs	1950-12-15	460
6	Monifieth	56.4831	-2.8161	Tug-Of-War Over New Bailiships	1950-05-06	307
7	Broughty Ferry	56.4674	-2.8761	Round-Trip Bus To Broughty	1950-06-20	265
8	Kirriemuir	56.6731	-3.0045	Thistle On Top	1950-06-17	232
9	Tannadice	56.7124	-2.8591	The Threat Behind Irish Football "Split"	1950-10-18	143
10	Glamis	56.6084	-3.0038	Angus Police Promotions	1950-01-27	119
11	Craigie	56.4777	-2.9307	Back To School At Perth	1950-08-30	117
12	Edzell	56.8097	-2.6557	Main Roads Blocked For Days Yet	1950-12-05	117
13	Tayport	56.4465	-2.8800	Homing	1950-08-15	112
14	East End	56.6667	-2.8888	The Old Game In Kinnaird	1950-08-07	100

Total Number of Daily News 1950



1950-04-14

1950-08-07

■ Total Number of Daily Sports News
■ Total Number of Daily News

Audience

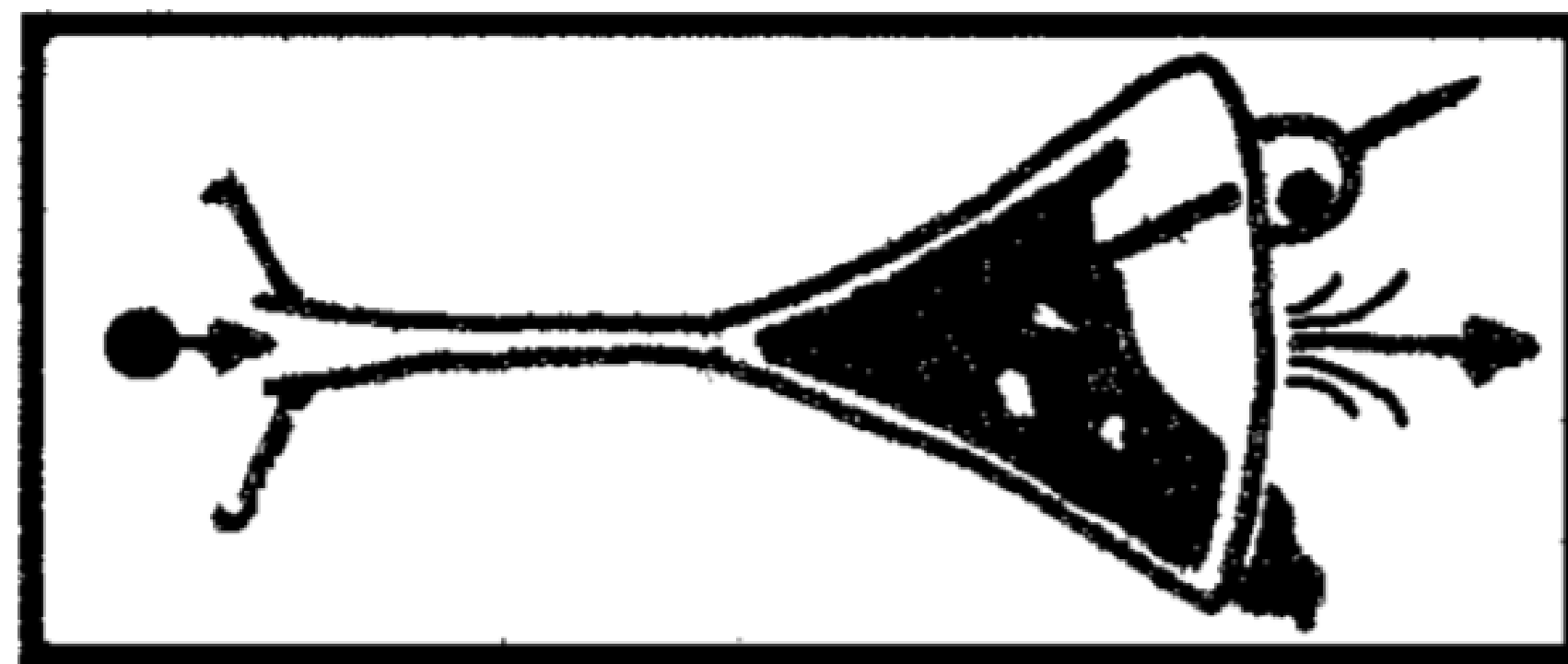
- Artifact in Dundee Museum
- Visitors-Traveler / local people

Trying to convey...

- Popularity change with time
- For a specific place, which day has the highest frequency? What happened on earth for that place?
- For dramatical change point, what is the story behind it? What happened on earth?

Demo

- Martini Glass Structure
 - begins with an author-driven approach, initially using data comics to introduce the interaction
 - Then visualization opens up to a reader-driven stage where the user is free to interactively explore the data.



Peak points – Events annotations with Title of Article

