Data Science For Design

The visibility of places in newspaper

Yan Wu S1620916

Yifan Chen S1631436

Chiao-Jung Lo

Context

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

Weibo

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。

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

东南

苏醒醒来了: 感觉最近好多事，希望他能平安❤️❤️

Edinburgh, UK

Wechat

头条 紧急24小时！求扩散！英国爱丁堡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:
大家近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

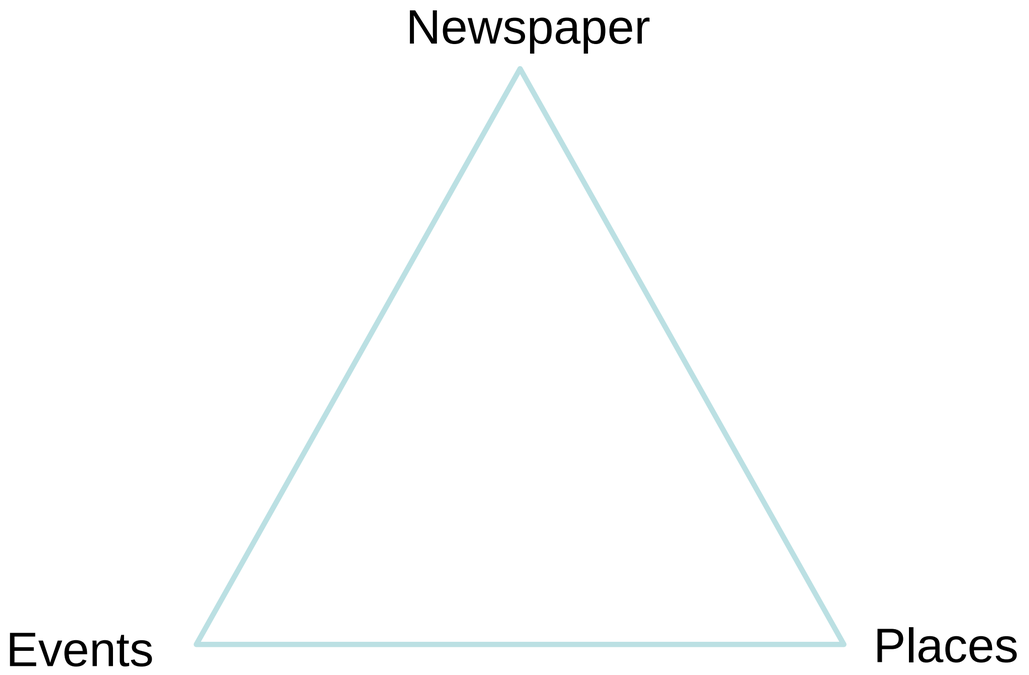
全文

3天前

Edinburgh, UK

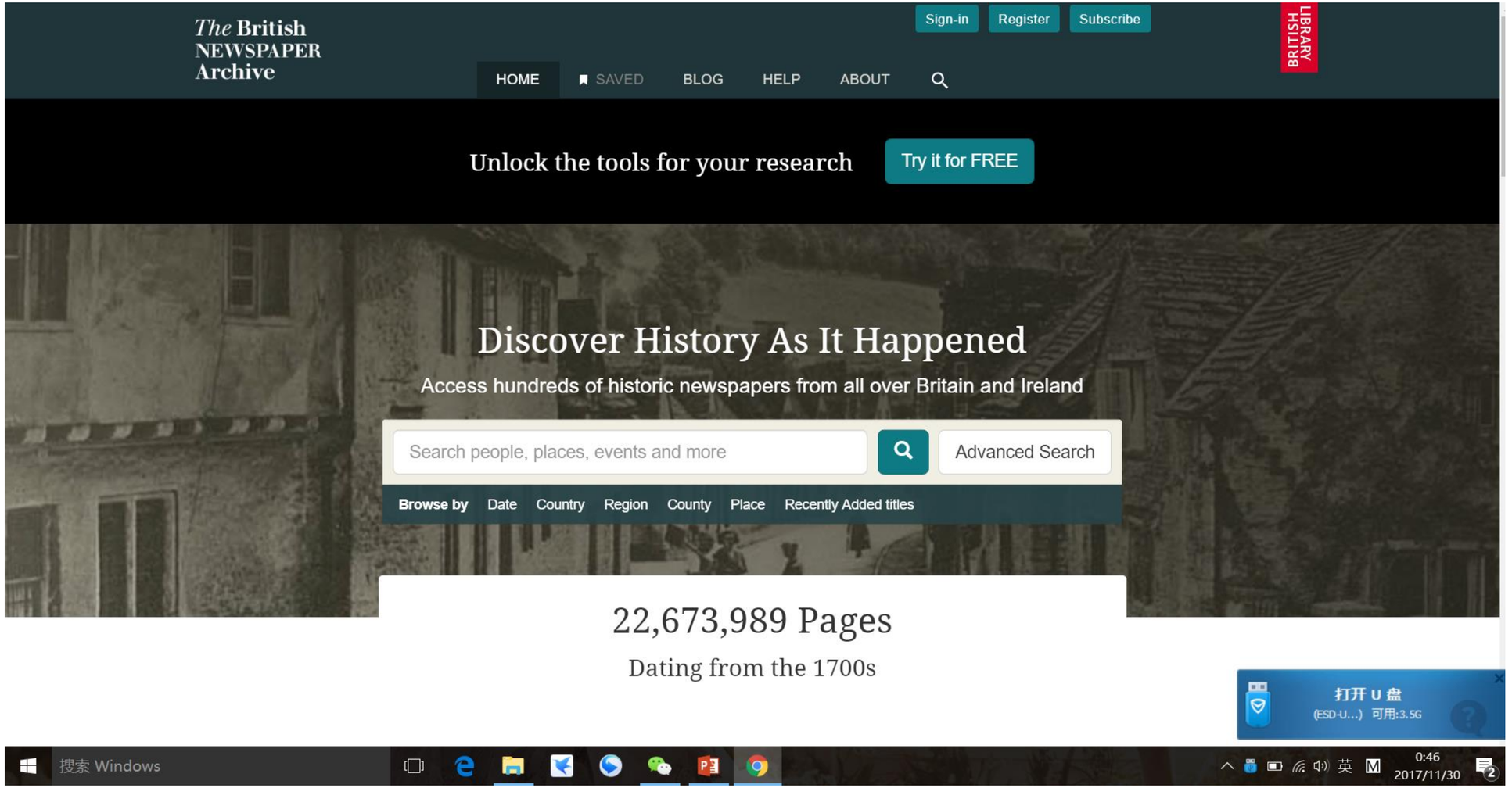
University of Edinburgh

1950 Dundee



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

Data


The British NEWSPAPER Archive
Sign-in
Register
Subscribe
HOME
SAVED
BLOG
HELP
ABOUT
Unlock the tools for your research
Try it for FREE
Discover History As It Happened
Access hundreds of historic newspapers from all over Britain and Ireland
Search people, places, events and more
Advanced Search
Browse by
Date
Country
Region
County
Place
Recently Added titles
22,673,989 Pages
Dating from the 1700s
打开 U 盘
(ESD-U...) 可用:3.5G
搜索 Windows
英
0:46
2017/11/30

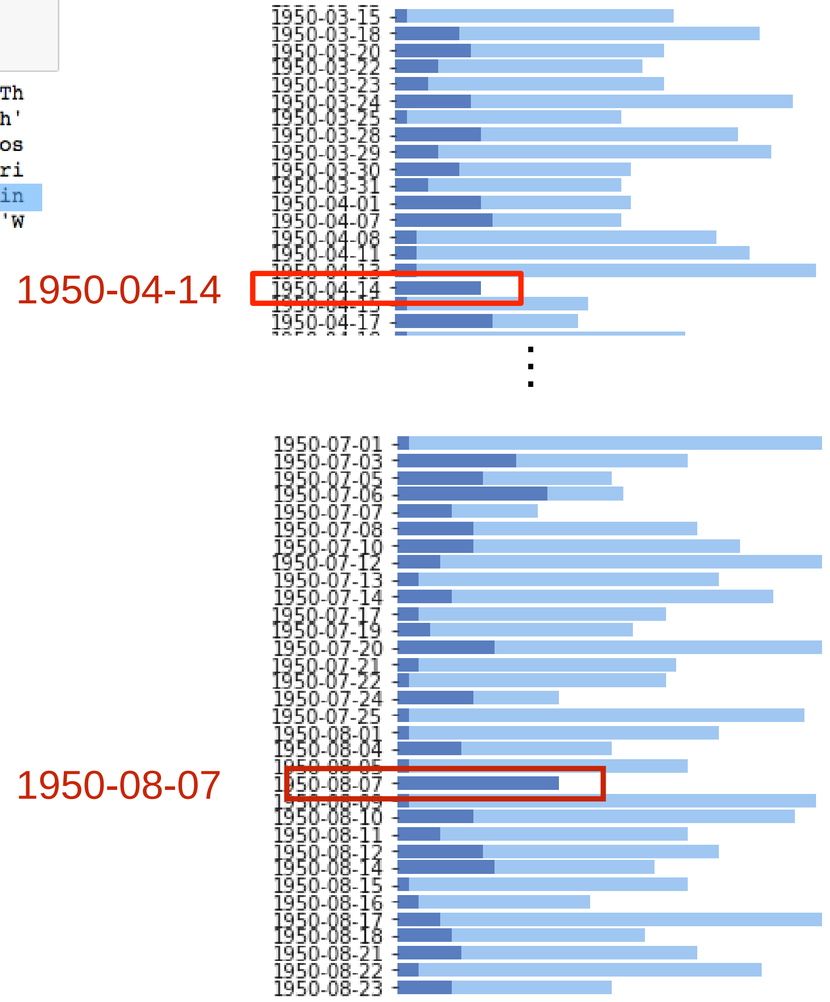
Data

```
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), ('Th
e', 649), ('Angus', 586), ('On', 539), ('A', 473), ('Of', 469), ('Estates', 469), ('Arbroath'
, 425), ('Man', 370), ('New', 356), ('Perth', 335), ('Fife', 328), ('Forfar', 327), ('Montros
e', 299), ('From', 237), ('Brechin', 222), ('Show', 204), ('Church', 201), ('Is', 198), ('Pri
ces', 189), ('May', 178), ('League', 168), ('Cup', 168), ('Wedding', 167), ('Be', 166), ('Win
ners', 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 Bailieships	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

Total Number of Daily News 1950



Audience

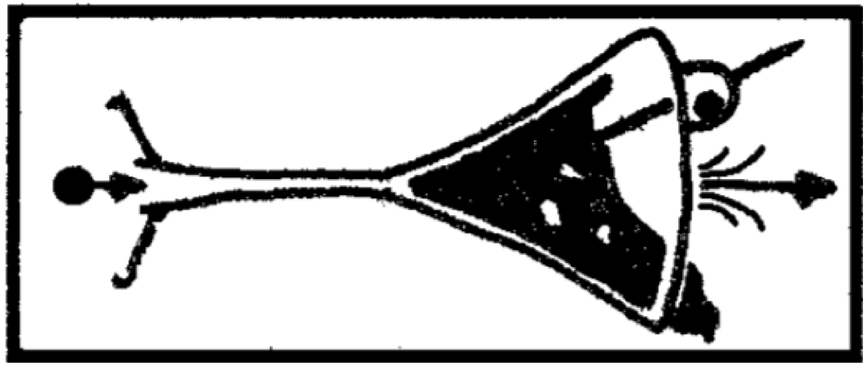
- Artifact in Dundee Museum
- Visitors-Traveler / local people

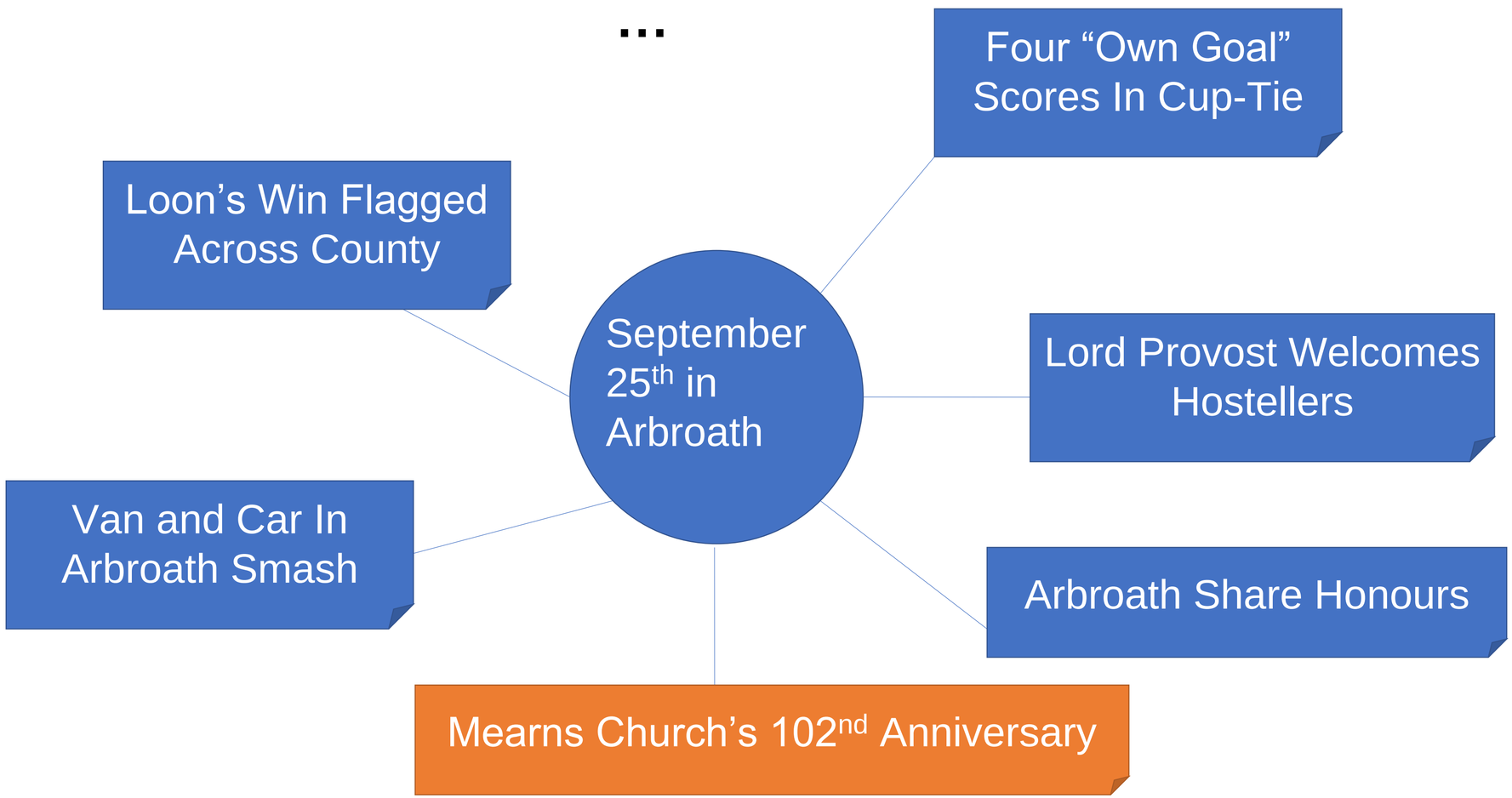
Trying to convey…

- 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.



Segel, E. and Heer, J. (2010). Narrative Visualization: Telling Stories with Data. IEEE Transactions on Visualization and Computer Graphics, 16(6), pp.1139-1148.

Peak points – Events annotations with Title of Article