





主题引入

I人和E人的区别



能量获取方式





"在家自己玩"

"出去High一下"

"防人之心不可无""四海之内皆兄弟"

自我相处

谈等风生

N人和S人的区别



信息获取方式



问题一:你在吵架的时候,主要论据是? 问题三: 当你审阅文件时, 你一般会?

"抓住细节攻击"

"跟我有什么关系"

"不放过每一个细节"



研究主题:

1.十六型人格的语库有何特征?

2.哪种人格自恋指数最高?

3.世界各国的性格分布有何规律?

4. 各种人格的关注类型的何?

数据主要来源: Kaggle

F人和T人的区别



决策方式



"尝试帮TA解决问题

理性

P人和J人的区别



行事方式



问题三:是否保持家里整洁?

"尽量提前计划好"

比较灵活

"我很随性"

有计划性

数据描述

```
final ) map ) 🗏 countries.csv ) 🗋 data
          Country, ESTD-A, SEPD-A, THEP-T, ESFD-T, EMFP-T, EMFP-A, ESTD-T, ISFD-T, EMFD-A, ESTD-A, SETD-A, SETD-
          Afghanistan, 0.0708, 0.0594, 0.0482, 0.0482, 0.0482, 0.0496, 0.039, 0.039, 0.0377, 0.0364, 0.0361, 0.0348, 0.0316, 0.0313, 0.0291
          Albania, 8.8469, 8.8399, 9.8836, 8.8266, 8.8647, 8.8398, 8.81979999999999, 8.8286, 8.8361, 8.8239, 8.8221, 8.8481, 8
                                   . 0.0275, 0.121799999999999, 0.0165, 0.9523, 0.0334, 0.0097, 0.0222, 0.0262, 0.0154, 0.018
          Andorra, 8.6512, 8.8372, 8.1023, 8.8279, 8.693, 8.8837, 8.893, 8.8279, 6.8585, 8.81399999999999, 8.8185, 8.8279, 8.8
                           MANA 8.8985,8:9771,8:8287,8:8475,8:8233,8:8188,8:8394,6:8475,8:826,0:0123,8:8349,8:8457,8:8224,8.
           Argenting, 0:0159, 0:027, 0:151, 0:0206, 0:0822, 0:0516, 0:0086, 0:0282, 0:0279, 0:0113, 0:0177, 0:0703, 0:0689, 0:0278,
                                            #9999999 8.6481,6.8839 8.822799999999999 6.8611,0.8446,8.8197,8.8254,8.8362,8.8176,8
          Australia, 0.0210, 0.0643, 0.1222, 0.0395, 0.092, 0.0562999999999, 0.0898999999999, 0.08533999999999, 0.0
          Austria,0.0186,0.0333,0.1414,0.022,0.00439999999999999,0.0593,0.0098,0.0289,0.0306,0.0158,0
          Azerbaijan, # 3581 | 8.8412, 8.888399999999999 | 8.8323, 6.85589999999999, 8.8385, 8.8276, 8.8372, 8.8325, 8.8174,
           Bahamas, 8.6371, 8.8649, 8.6981, 8.8256999999999999, 8.8574, 8.8583, 8.86387, 8.0433, 8.814199999999999, 8.
                                      #. 0549, 0.1086999999999999, 0.0349, 0.0838, 0.0501, 0.0166, 0.085, 0.01
          Bangladesh, 8.82589999999999, 8.8473, 8.1189, 8.8366, 8.8713, 8.8317999999999, 8.8191, 8.83669999999999, 8.
          Barbados, 0.0000, 0.06, 0.1127, 0.0236, 0.0474, 0.0474, 0.0449, 0.0405, 0.0146, 0.0305, 0.0356, 0.0602, 0.02899999
          Selarus, 9.6417, e.6306, 0.1007, 6.8274, 6.662, 6.6279, e.6213, 6.8319, 0.8228999
                                                                                                                                                          1999,0.0229,0
          Belgium, 0.0265, 0.0383, 0.130, 0.0368, 0.0965, 0.0035, 0.0095, 0.0383, 0.0270, 0.0169, 0.0150, 0.0449, 0.0605999999999
                                 #,8.85769999999999,7.1885,8.8348,0.8661,8.8523,8.88199999999999,8.8382,W.83W7,8.8192,V
          Shutan, 0.8435, 0.8913, 0.1291, 0.8455999999999999, 0.8969, 0.8421, 0.8162, 0.84419999999999, 0.838899999999
          Bosnia and Herzegovina, 8.8359, 8.8323, 8.1899, 8.816, 8.8665, 8.6478, 8.812, 8.8216, 8.935, 8.8199, 8.8182, 8.8665, 8.
          Brazil, 0.0105, 0.0275, 0.1590, 0.0223, 0.0932, 0.0404, 0.0095, 0.032, 0.025, 0.011, 0.0205, 0.0664, 0.0742, 0.0269, 0.02
```

```
infj.intj.intp.infp.estj.esfj.entj.enfj.estp.esfp.entp.enfp.isfj.isfp.istj.istp
infj,42.61655370712672,11.1111111111111111,5.647976997330048,15.762990347093858,0.7
intj,23.355841545825827,20.121266561868403,7.927248862878958,15.944307208623401,1
intp,16.575121163166397,9.693053311793214,24.394184168012924,13.957996768982229,1
infp, 25.870389520854875,11.099620820406757,7.96277145811789,25.611857980006896,0
estj,15.983606557377051,10.245901639344263,5.532786885245901,12.09016393442623,5.
esfj.11.22244488977956,6.613226452905812,7.214428857715431,9.418837675350701,4.00
entj,17.161298322588644,12.774193548387098,8.193548387096774,9.161290322580646,2.
enfj,16.797778806108283,9.30124942156409,7.172605275335493,13.373438223044886,2.4
estp,5.150214592274678,7.296137339055794,8.15450643776824,10.72961373390558,1.716
esfp,13.471502590673575;6.7357512953367875,8.031088082901555,8.549222797927461,2.
entp, 12.981631248731588, 6.870983687592684, 18.884833613445378, 9.49085516559565, 1.82
enfp,18.174431202500218,9.642470205850486,6.933911159263271,14.409534127843987,1.
isfj,19.265033407572382,10.801781737193764,6.45879732739421,16.14699331848552,1.76
isfp, 13.08562197092084, 5.008077544426494, 6.623586429725363, 11.954765751211632, 0.80
istp,8.286685938891186,4.86322188449848,9.72644376899696,10.33434650455927,1.82376
```

世界各国的20879种类及对应十二型人格比例

数据处理后的徇频统计

```
{group: "ENTP", character: 0.92321851321543214
{group: "ESTP", character: 0.91321543514992431
{group: "ENFJ", character: 0.82434782608695654
{group: "ENTJ", character: 0.8082926829268293
{group: "ENFP", character: 0.77414634146341465
{group: "ESFP", character: 0.65354156124621310
{group: "ESFJ", character: 0.62049164124531541
{group: "INTJ", character: 0.53242146161215460
{group: "ESTJ", character: 0.51692307692307693
{group: "INFJ", character: 0.43258351893095768
{group: "INTP", character: 0.3932203389830508
{group: "INFP", character: 0.3644642857142857
(group: "ISTP", character: 0.30298850574712643
(group: "ISTJ", character: 0.25818181818181818
{group: "ISFJ", character: 0.2281122421011220,
{group: "ISFP", character: 0.20666666666666666
```

计算后的自恋指数 (后文介绍)

各个201879关注类型及百分比

```
0.18543046357615894,

0.2024793388429752,

0.1833333333333333332,

0.04516129032258064,

0.17277486910994763,

0.09844559585492228,

0.029197080291970802,

0.65354156124621310,

0.04032258064516129,

0.35877862595419846,

0.10215053763440861,

-0.014925373134328358,

0.5494505494505495,

0.4625,

0.2236842105263158,

-0.03125
```

计算后的情感得分 (在后文详细介绍)



整体概览

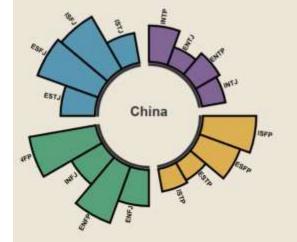


+

外向(E)vs内向(I)







16型人格相互吸引热力图

infj

intp

estj

esfj entj enfj

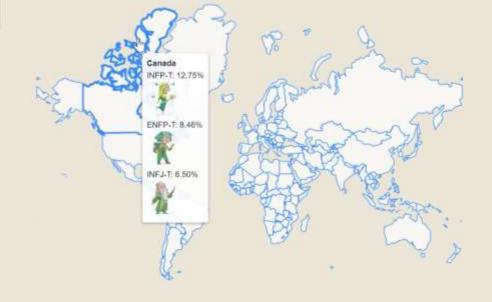
estp esfp

entp

enfp isfj

isfp istj

istp



情感(F)vs思考(T)

感知(P)vs判断(J)

Loutlot

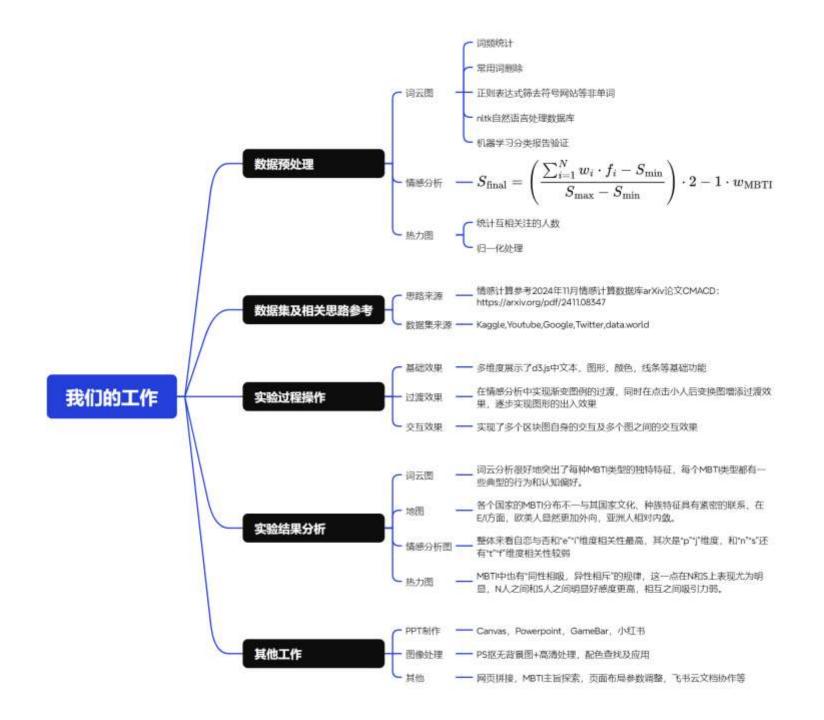
直觉(N)vs感觉(S)















ESTS-MIERLING



last month

list roonth

数据清理

一些图的展现形式

Supplementary Table 1.docx

III README Apache-20 license

demo.csv

Add files via upload

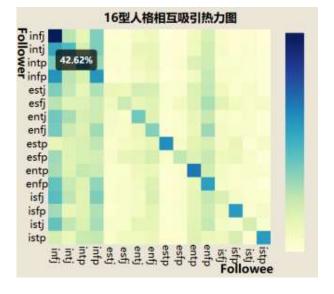
Add files via upload



具体描述

词云图/热力图





热力图每个小正 方形上都显示了 两两之间的百分 比关系



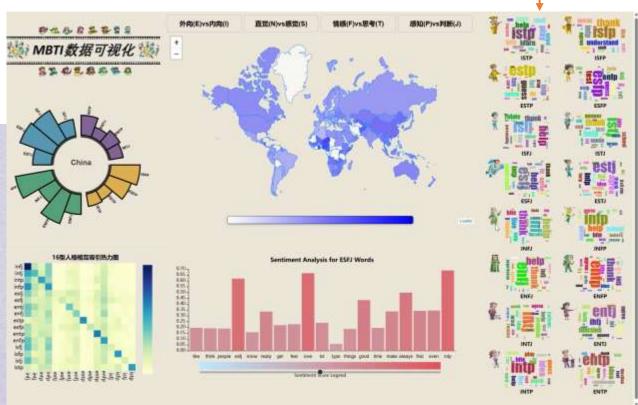
鼠标悬停在NC879的小人 上面时,会出现高亮效果

点击小人之后,会和地图, 情感分析图出现爱互效果

> **委互过程很好地** 实现了过渡数果

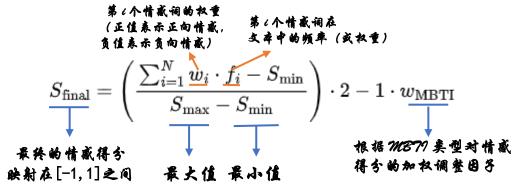


交互效果 视频录制



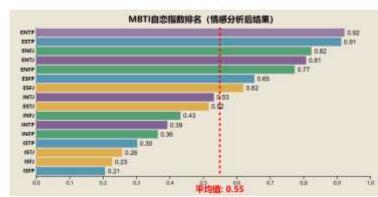
情感分 析图







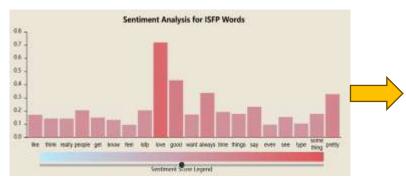
(-)

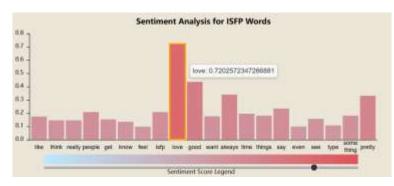


1. 横轴代表情感得分情况,似轴代表16型人格,颜色对应MB79的四种分组:黄人组,猿人组,蓝人组,紫人组。

- + 2. 柱状图按照从大到小展示了情感得分,其中保留两位小数之后的平均值笱0.55。
 - 3. 点击对应柱形图会出现每个人格的高频词情感得分。

(二)





1.横轴对应高频间,似轴对应情感分数,渐变色从浅蓝到红色对应【-1.1】

- 2.鼠标悬浮显示对应情感分数,加黄色边框
- 3. 图例上拖动条的位置会随情感得分变化
- 4.设置过渡效果,拖劲条的恢复与变化丝滑

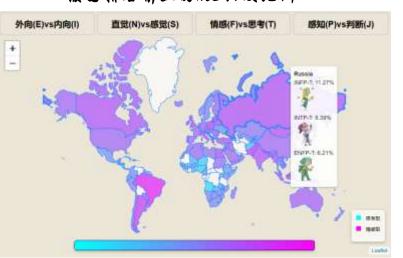
地图/径



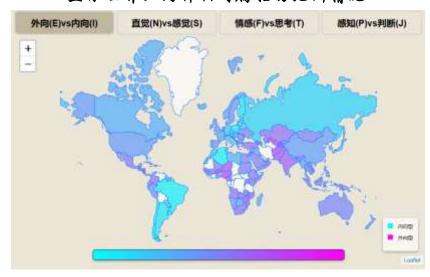
地图初始化



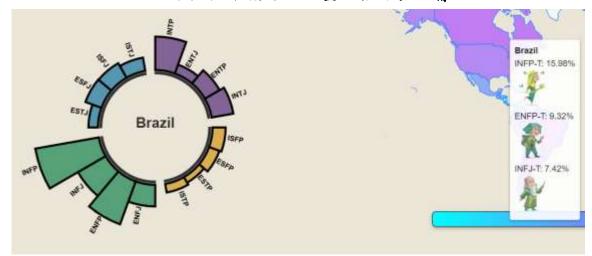
鼠标悬停在地图上时,会出现该图排名前三的MB79及比例



根据八维设置四个按钮,点击之后会 显示世界上两种相对属性的比例情况

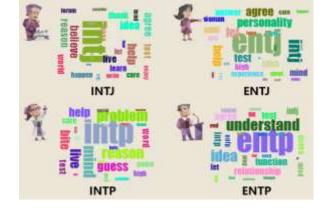


鼠标点击之后,会和旁边的径向图实现交互效果,显示该图十六型人格的占比情况





结果分析



词云图反映了每种MBTI类型的独特特征,每个MBTI 类型都有一些典型的行为和认知偏好。

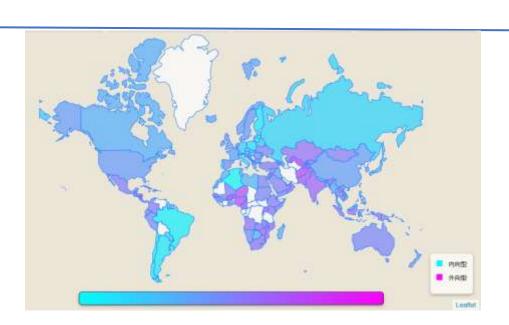


经情感计算后,各人格对同人格的情感指数一定程度上反映了自恋程度,经柱状图绘制之后,我们发现:整体来看自恋与否和"E/I"推废相关性最高,其次是"P/J"推废,和"N/S"还有"F/T"推废相关性较弱。

徇去图

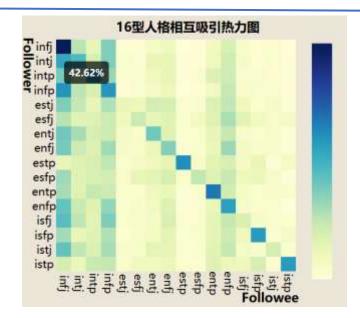
地图

情感分析图



各个国家的MBTI分布不一与其国家文化、种族特征具有紧密的联系,例此在E/I方面,欧美人显然更加外向,而亚洲人一定程度上比较自叙。

热力图



MBT1中也有"同性相吸,异性相斥"的规律,这一点在N和S上表现尤为明显,N人之间和S人之间明显好感度更高,相互之间吸引力弱。



研究意义

我们做这个可视化的终极意义何在?



正在阅读: MBTI爆火 这样贴"标签"真的好吗?





MBTI这种贴标签的行为的背后,映射出的却 是当代年轻人的社交困境。这几个字母不单单是 人格类型,更是为年轻人提供自我认同感与归属 感的避风港。MBTI是一座连接内心与外界的标 梁。 当我们不知道如何表达自己时, 这座桥梁就 是出口。 苏格拉底说:"认识你自己,是世界 上最难的问题,也是人类探索的终极目标之一。" 人是无法被四个字母所简单定义的。只有自己定 义自己,才是更鲜活、更立体的人。 愿我们都 能不被定义,愿我们都能成为定义自己的人。

















