

儀錶板視覺化

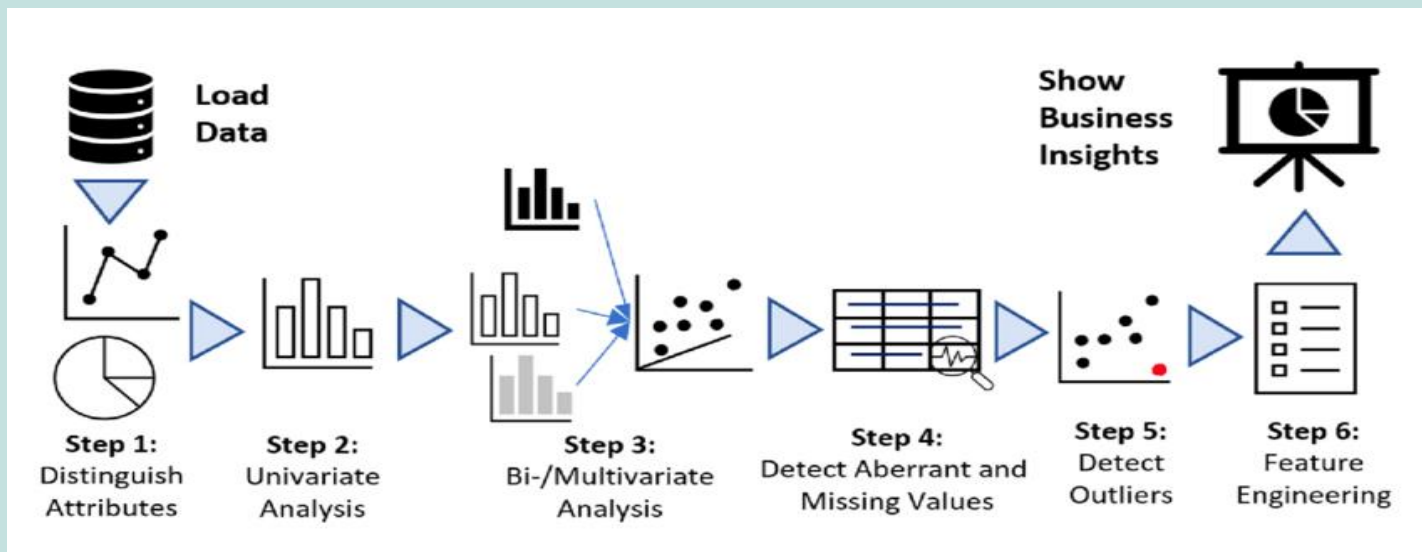
--- 利用flexdashborad套件 in R

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2022/4/14


reference : <https://bookdown.org/sulaxd/Rcmdr/Rcmdr.html>

資料探勘分為：

- 圖形化Graphical 或 量化Quantitative



數據視覺化 (data visualization)

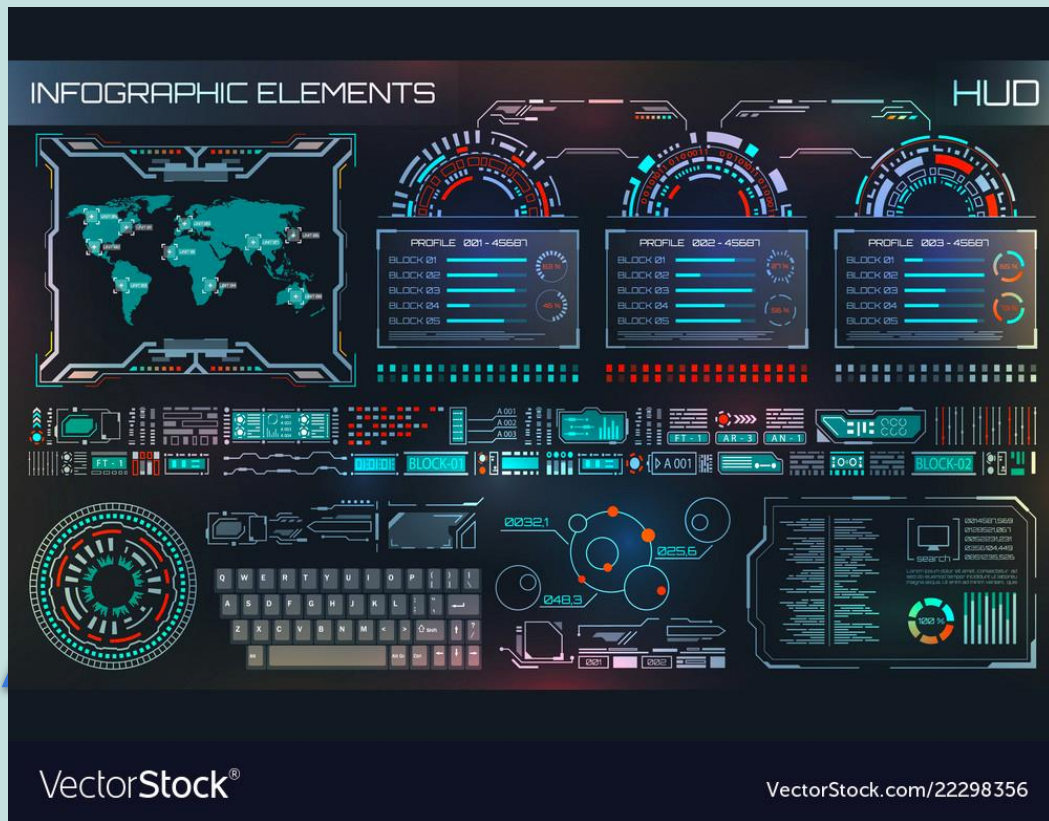


Microsoft Excel spreadsheet showing a data table with columns: id, urlid, name, description, type, urlcatid, mcsid, tsvaid1, tsvaid2, groupid, enabled, category, and p. The data includes various inventory items and their associated categories.

id	urlid	name	description	type	urlcatid	mcsid	tsvaid1	tsvaid2	groupid	enabled	category	p
1	AD0000000000	AD0000000000	AD0000000000	Non inventory	Y	N	N	N	N	N	Industries	
2	AD0000000000	AD0000000000	AD0000000000	Non inventory	Y	N	N	N	N	N	Industries	
3	AD0000000000	AD0000000000	AD0000000000	Non inventory	Y	N	N	N	N	N	Industries	
4	AD0000000000	AD0000000000	AD0000000000	Non inventory	Y	N	N	N	N	N	Industries	
5	AD0000000000	AD0000000000	AD0000000000	Non inventory	Y	N	N	N	N	N	Industries	
6	AD0000000000	AD0000000000	AD0000000000	Non inventory	Y	N	N	N	N	N	Industries	
7	AD0000000000	AD0000000000	AD0000000000	Non inventory	Y	N	N	N	N	N	Industries	
8	AD0000000000	AD0000000000	AD0000000000	Non inventory	Y	N	N	N	N	N	Industries	
9	AD0000000000	AD0000000000	AD0000000000	Non inventory	Y	N	N	N	N	N	Industries	
10	AD0000000000	AD0000000000	AD0000000000	Non inventory	Y	N	N	N	N	N	Industries	
11	AD0000000000	AD0000000000	AD0000000000	Non inventory	Y	N	N	N	N	N	Industries	
12	AD0000000000	AD0000000000	AD0000000000	Non inventory	Y	N	N	N	N	N	Industries	
13	AD0000000000	AD0000000000	AD0000000000	Non inventory	Y	N	N	N	N	N	Industries	
14	AD0000000000	AD0000000000	AD0000000000	Non inventory	Y	N	N	N	N	N	Industries	
15	AD0000000000	AD0000000000	AD0000000000	Non inventory	Y	N	N	N	N	N	Industries	
16	AD0000000000	AD0000000000	AD0000000000	Non inventory	Y	N	N	N	N	N	Industries	
17	AD0000000000	AD0000000000	AD0000000000	Non inventory	Y	N	N	N	N	N	Industries	
18	AD0000000000	AD0000000000	AD0000000000	Non inventory	Y	N	N	N	N	N	Industries	
19	AD0000000000	AD0000000000	AD0000000000	Non inventory	Y	N	N	N	N	N	Industries	
20	AD0000000000	AD0000000000	AD0000000000	Non inventory	Y	N	N	N	N	N	Industries	
21	AD0000000000	AD0000000000	AD0000000000	Non inventory	Y	N	N	N	N	N	Industries	
22	AD0000000000	AD0000000000	AD0000000000	Non inventory	Y	N	N	N	N	N	Industries	
23	AD0000000000	AD0000000000	AD0000000000	Non inventory	Y	N	N	N	N	N	Industries	
24	AD0000000000	AD0000000000	AD0000000000	Non inventory	Y	N	N	N	N	N	Industries	
25	AD0000000000	AD0000000000	AD0000000000	Non inventory	Y	N	N	N	N	N	Industries	
26	AD0000000000	AD0000000000	AD0000000000	Non inventory	Y	N	N	N	N	N	Industries	
27	AD0000000000	AD0000000000	AD0000000000	Non inventory	Y	N	N	N	N	N	Industries	
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32	AD0000000000	AD0000000000	AD0000000000	Non inventory	Y	N	N	N	N	N	Industries	
33	AD0000000000	AD0000000000	AD0000000000	Non inventory	Y	N	N	N	N	N	Industries	
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49	AD0000000000	AD0000000000	AD0000000000	Non inventory	Y	N	N	N	N	N	Industries	
50	AD0000000000	AD0000000000	AD0000000000	Non inventory	Y	N	N	N	N	N	Industries	

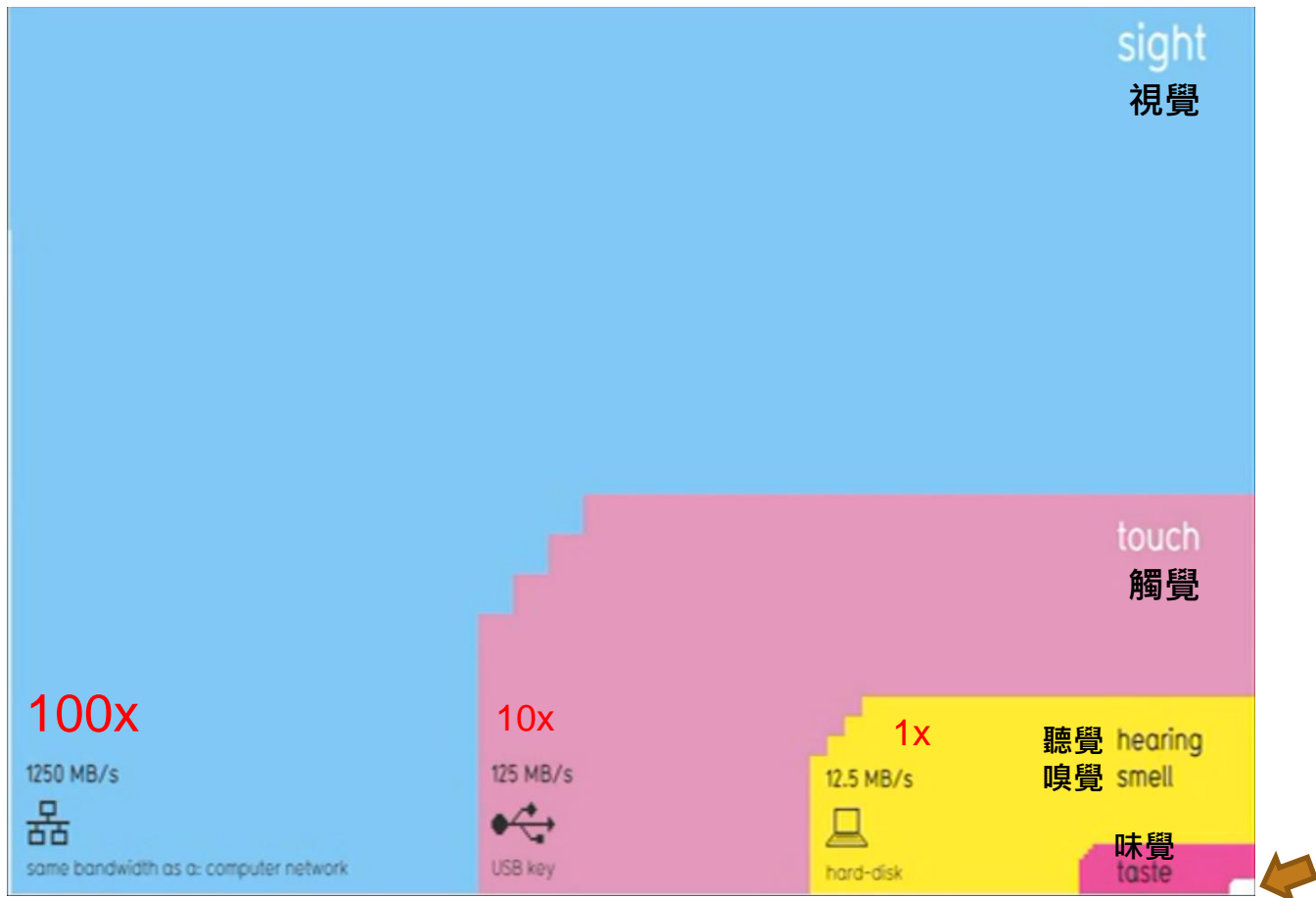


資訊視覺化(戰情室儀表板)



視覺：你我共同的第二語言

graph from David McCandless：資訊視覺化，橫跨美感和理解力的設計



資料分析 (圖表)

亞洲國家十年出生率

国家/地区	年份										
	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
不丹	0.02600	0.02500	0.02400	0.02300	0.02200	0.02200	0.02100	0.02100	0.02100	0.02000	0.02000
中国	0.01300	0.01200	0.01200	0.01200	0.01200	0.01200	0.01200	0.01200	0.01200	0.01200	0.01200
中国香港特别行..	0.00700	0.00700	0.00700	0.00800	0.01000	0.01000	0.01100	0.01200	0.01300	0.01400	0.01300
中国澳门特别行..	0.00800	0.00800	0.00800	0.00800	0.00800	0.00800	0.00900	0.00900	0.00900	0.01000	0.01000
巴基斯坦	0.02900	0.02900	0.02800	0.02800	0.02800	0.02800	0.02700	0.02700	0.02700	0.02600	0.02600
日本	0.00900	0.00900	0.00900	0.00800	0.00900	0.00900	0.00900	0.00900	0.00900	0.00800	0.00800
尼泊尔	0.03100	0.03000	0.02900	0.02800	0.02700	0.02600	0.02500	0.02400	0.02300	0.02200	0.02200
印度	0.02500	0.02400	0.02400	0.02300	0.02300	0.02200	0.02200	0.02200	0.02100	0.02100	0.02100
印度尼西亚	0.02100	0.02100	0.02100	0.02100	0.02100	0.02100	0.02100	0.02000	0.02000	0.02000	0.01900
阿富汗	0.04800	0.04700	0.04600	0.04500	0.04400	0.04200	0.04100	0.03900	0.03800	0.03700	0.03500
哈萨克斯坦	0.01500	0.01700	0.01800	0.01800	0.02000	0.02100	0.02300	0.02200	0.02300	0.02300	0.02300
柬埔寨	0.02700	0.02600	0.02600	0.02600	0.02600	0.02600	0.02600	0.02600	0.02600	0.02600	0.02600
泰国	0.01400	0.01300	0.01300	0.01300	0.01200	0.01200	0.01200	0.01100	0.01100	0.01100	0.01000
斯里兰卡	0.01900	0.01900	0.01900	0.01900	0.01900	0.01900	0.01900	0.01900	0.01800	0.01800	0.01800
朝鲜	0.01700	0.01600	0.01600	0.01600	0.01500	0.01500	0.01500	0.01400	0.01400	0.01400	0.01400
菲律宾	0.02900	0.02800	0.02800	0.02700	0.02700	0.02600	0.02600	0.02500	0.02500	0.02500	0.02500
越南	0.01700	0.01700	0.01700	0.01700	0.01700	0.01700	0.01700	0.01700	0.01600	0.01600	0.01600
塔吉克斯坦	0.02900	0.02900	0.02900	0.03000	0.03000	0.03100	0.03100	0.03200	0.03300	0.03300	0.03300
新加坡	0.01100	0.01100	0.01000	0.01000	0.01000	0.01000	0.01000	0.01000	0.00900	0.01000	0.01000
蒙古	0.01900	0.01900	0.02000	0.02000	0.02100	0.02200	0.02200	0.02300	0.02300	0.02300	0.02300
东帝汶	0.04000	0.03900	0.03800	0.03800	0.03800	0.03700	0.03700	0.03700	0.03600	0.03600	0.03600
乌兹别克斯坦	0.02100	0.02000	0.02100	0.02000	0.02100	0.02300	0.02400	0.02300	0.02300	0.02200	0.02100
缅甸	0.02000	0.02000	0.01900	0.01900	0.01900	0.01900	0.01800	0.01800	0.01800	0.01800	0.01700
韩国	0.01000	0.01000	0.01000	0.00900	0.00900	0.01000	0.00900	0.00900	0.00900	0.00900	0.01000

按 年份 年 以及 国家/地区 细分的 出生率 总和。 数据按 区域 进行筛选，这会保留 亚洲。 在 年份 年 与 国家/地区 上筛选视图。 年份 年 筛选器排除 2000 与 2001。 国家/地区 筛选器保留 24 个成员(总共 208 个)。



眼神死

KNEEL BEFORE ZOOM

THE FLASH

ALL NEW TUES 8/7c  DARE TO DEFY

資料視覺化 (顏色)



資料視覺化 (大小)

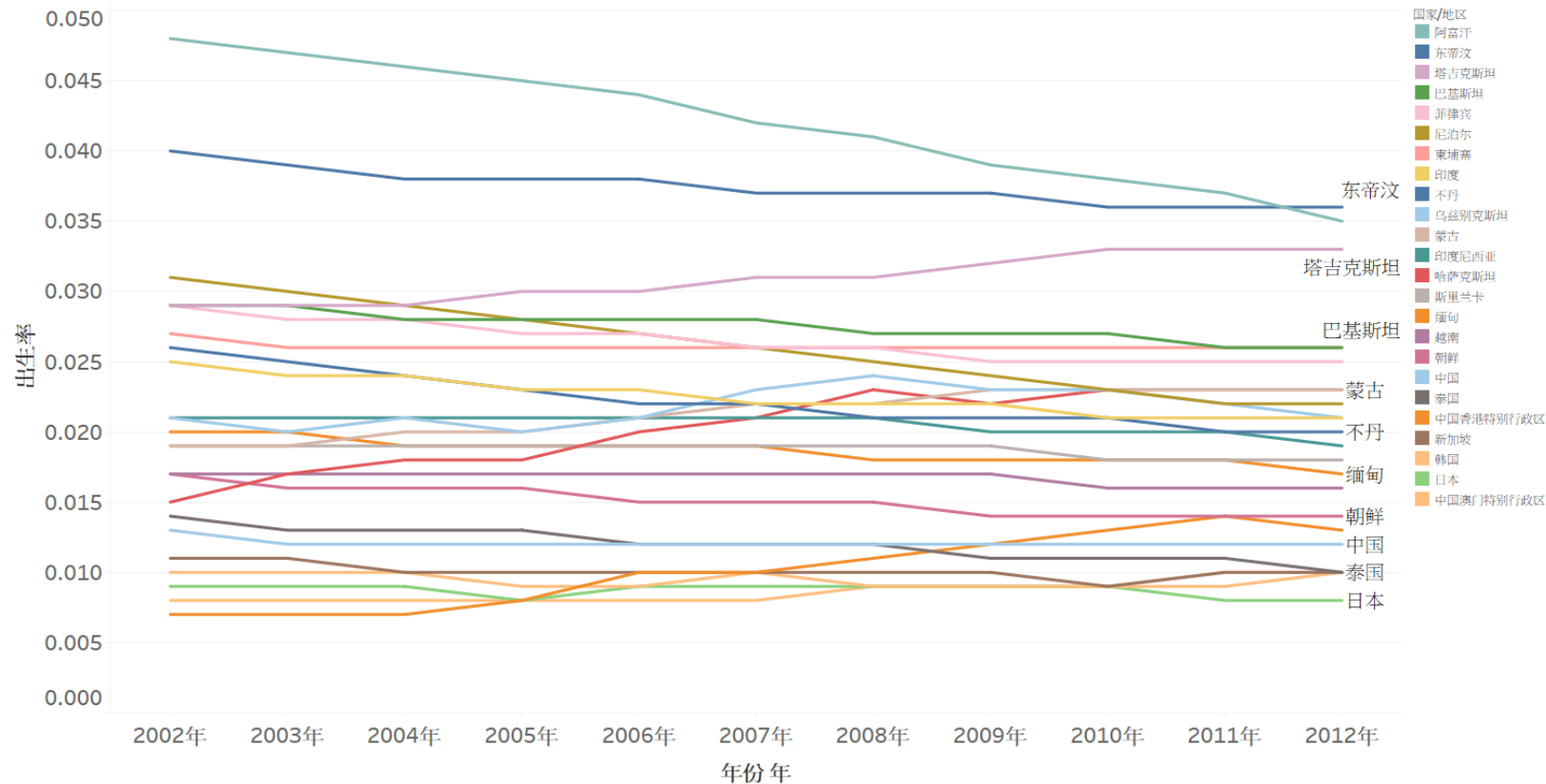
不知如何選擇??
那先來了解一下



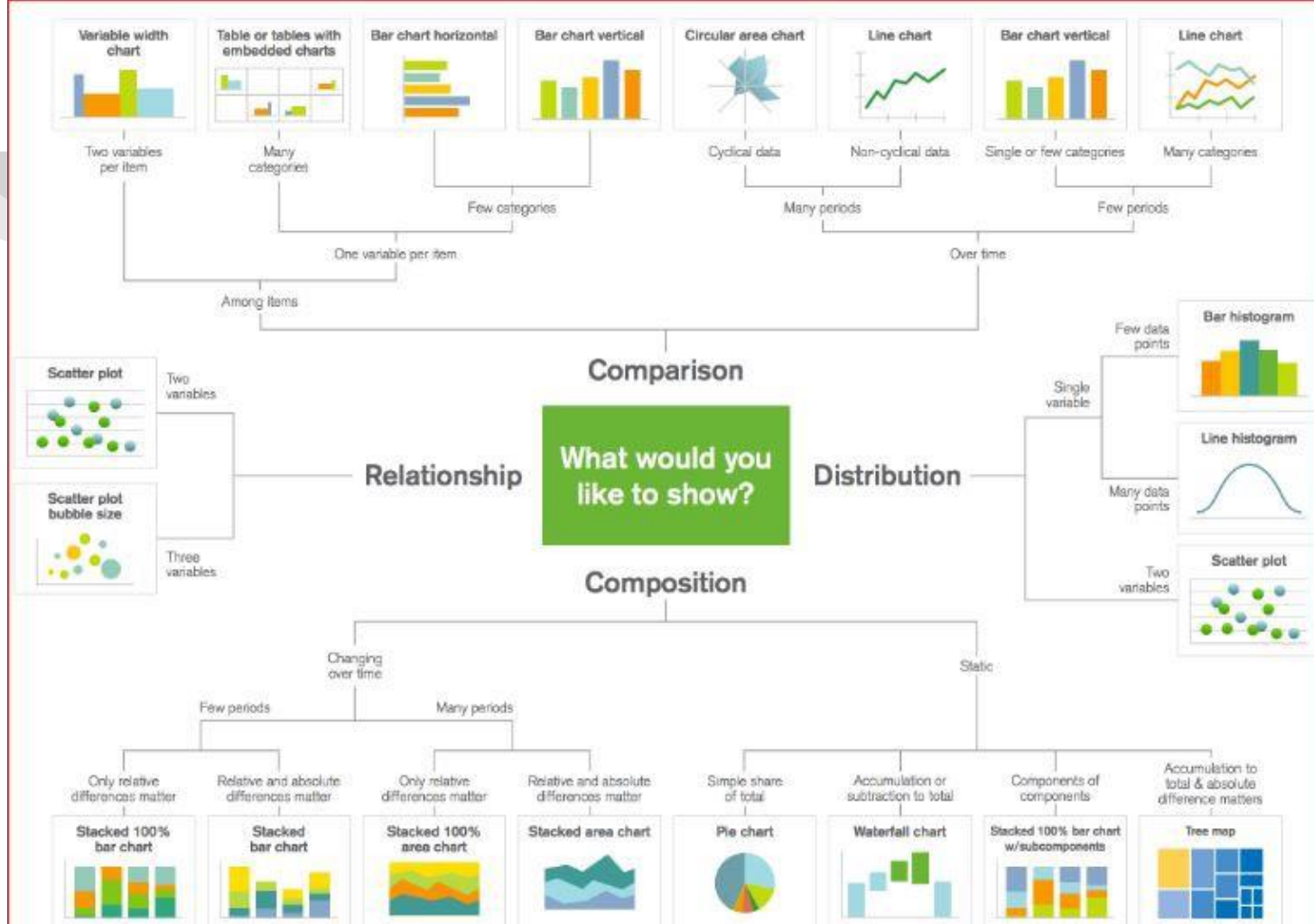
資料視覺化 (圖型)



亞洲國家十年出生率



年份年的出生率总和的趋势。颜色显示有关国家/地区的详细信息。标记按国家/地区进行标记。数据在年份年与区域上进行筛选。年份年筛选器排除 2000 与 2001。区域筛选器保留 亚洲。视图按国家/地区进行筛选，这会保留 24 个成员(总共 208 个)。



DashBoard by flexdashboard in R

- The goal of **flexdashboard** is to make it easy to create interactive dashboards for R, using R Markdown.



<https://rstudio.github.io/flexdashboard/articles/examples.html>



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