



REUTERS/Pawel Kopczynski

Thomson Data Analyzer (TDA)

智能信息分析专家

沈嘒嘒

产品与解决方案部

汤森路透科技信息服务（北京）有限公司



THOMSON REUTERS

.....

情报分析简介
TDA是什么？
TDA能做什么？
TDA6.0新功能介绍
问题与解答



情报分析简介

TDA是什么？

TDA能做什么？

TDA6.0新功能介绍

问题与解答

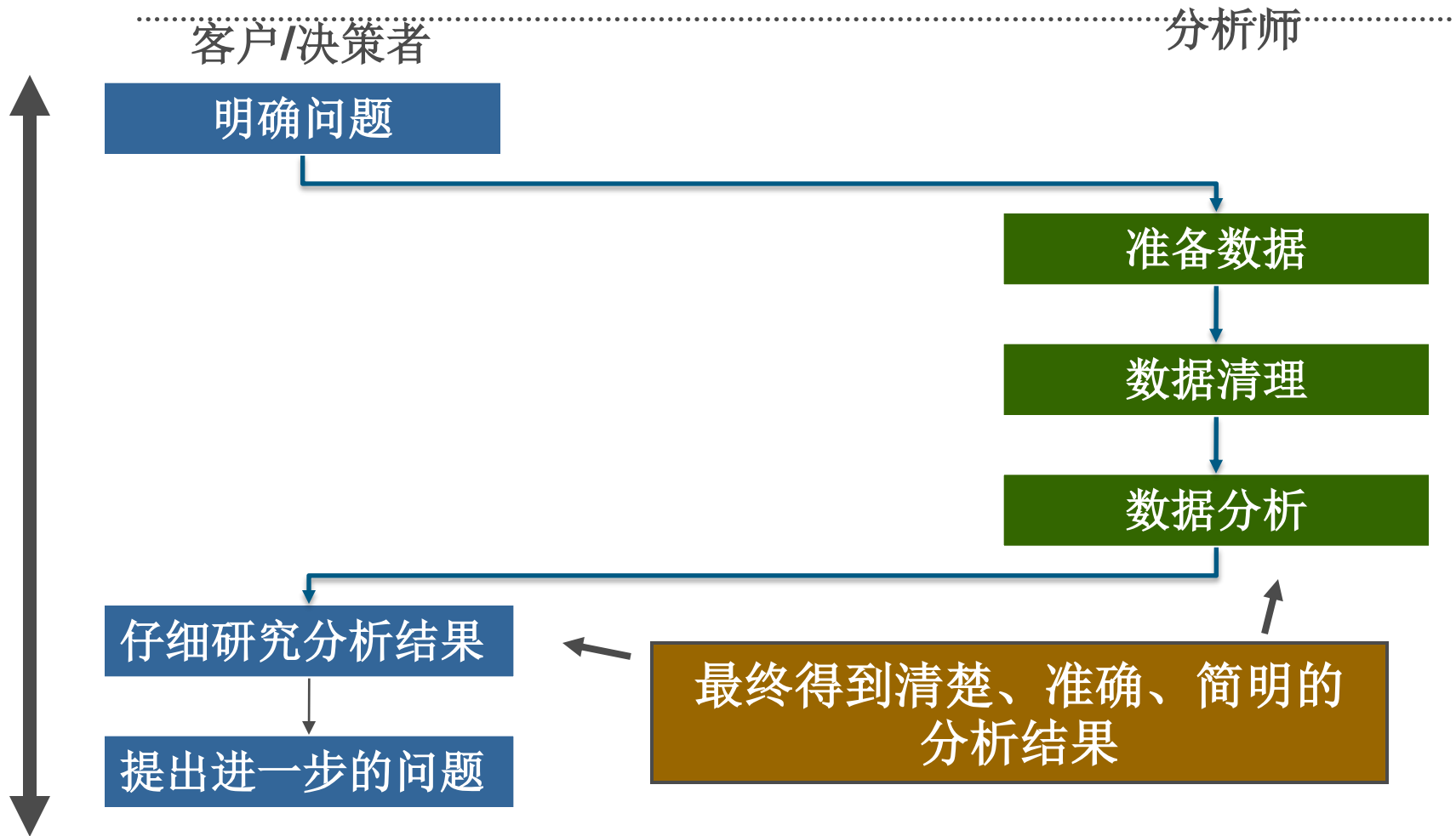


需求定位

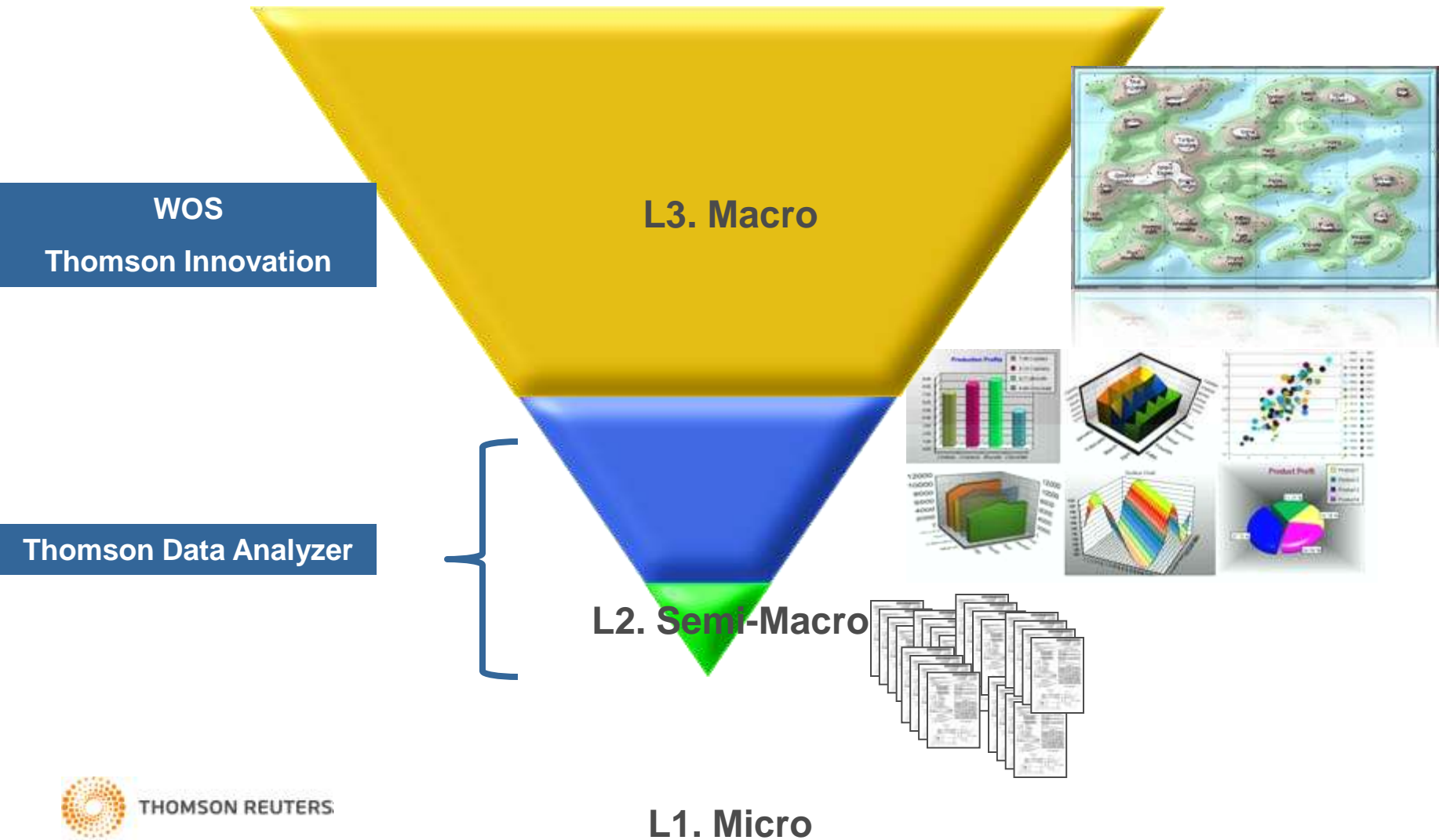
- 回答技术的问题：
 - 核心技术点
 - 主要技术持有人
 - 技术发展趋势
 - ...
- 回答竞争情报的问题：
 - 他们在做什么
 - 他们做得怎么样
 - 怎样跟踪他们的最新进展
 - 他们将来会怎么做



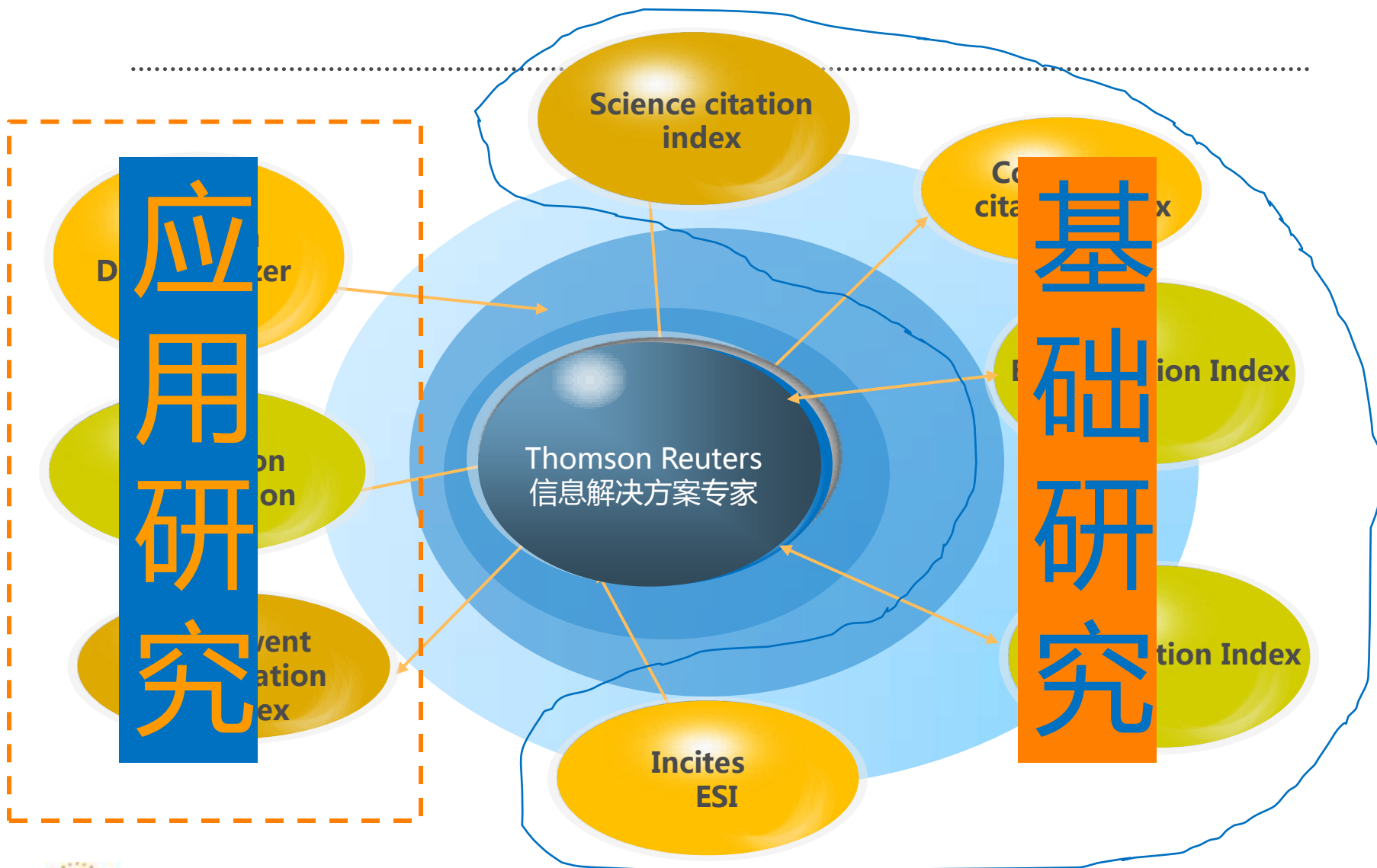
情报分析流程



分析方法



汤森路透知识创新解决方案



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情报分析简介
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问题与解答





Thomson Data Analyzer

TDA源于**美国军方**三大机构资助的海量数据分析工具研发项目，以帮助提高数据分析**效率**，降低沉重的数据分析人力**成本**：



美国国防预先研究计划局



美国陆军坦克自动化和武器司令部



美国陆军航空和导弹司令部

TDA简介



Thomson Data Analyzer[®]

通过提供**多角度**的数据挖掘和**可视化**的全景分析

帮助情报工作者分析**竞争情报与技术情报**的

发现潜在的市场和研发机会

洞察竞争合作关系，确定合作伙伴

把握科学技术演进动向和投资时机

判别技术领军人才，打造研发团队

制定正确的研发和知识产权战略



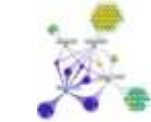
Thomson Data Analyzer



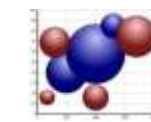
查阅 分析 交流



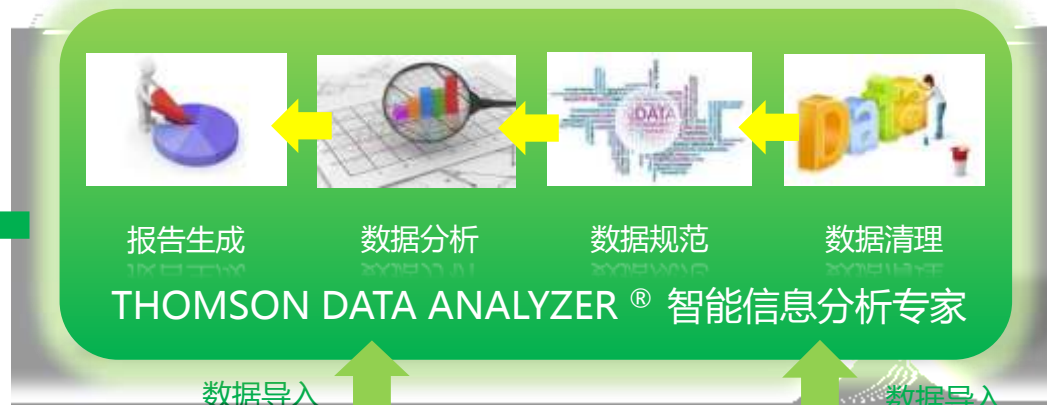
智能分析报告



合作分析展现



领域研究概览



数据导入

数据导入

TDA 专有数据文件

数据导出

数据导出

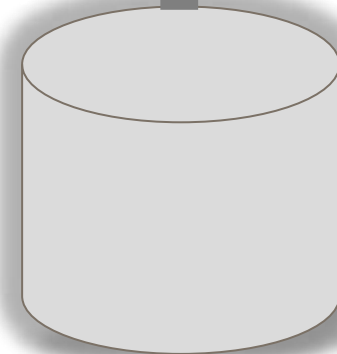


全球专利数据

精选科技文献

主流商业信息

其他数据源



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情报分析简介
TDA是什么？
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问题与解答



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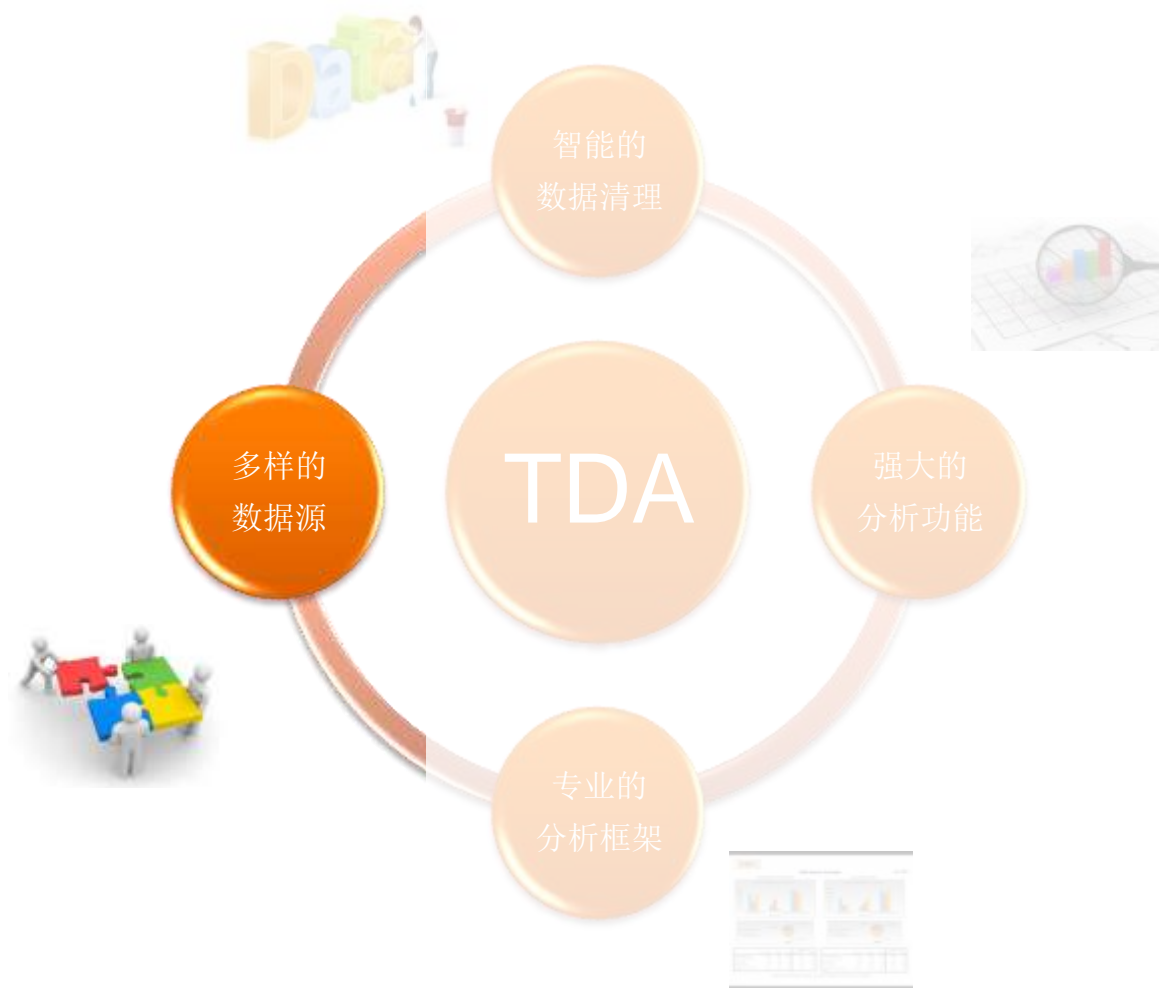
1

2

3

第二和第三的应用介绍请关注大讲堂后续TDA高级培训课程

TDA的优势

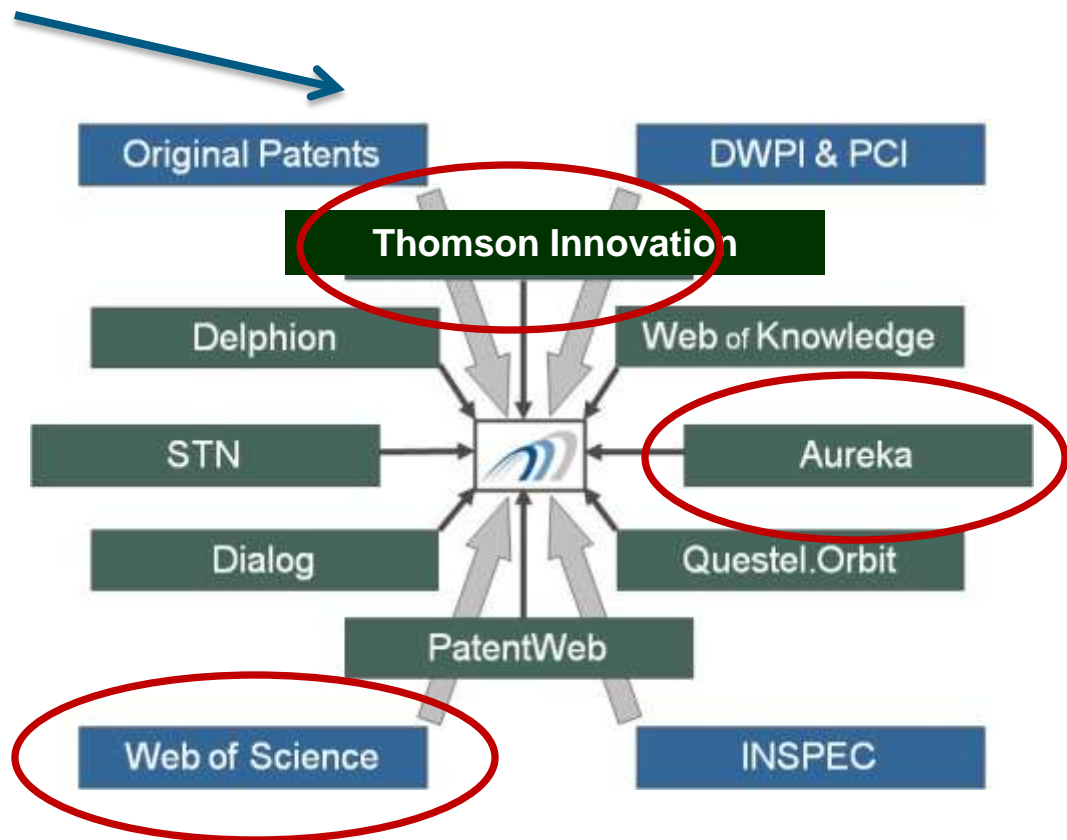


多来源数据导入

系统默认支持数据库

Excel

自定义数据



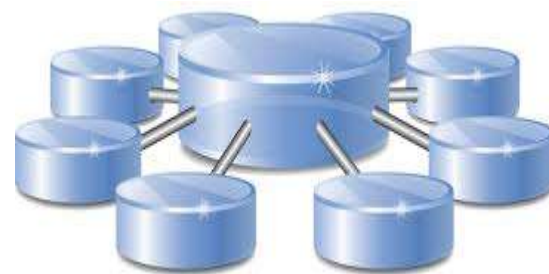
不同数据源的合并

数据集合并：

完全合并多个不同的数据集数据

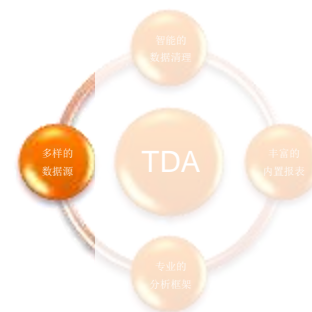
记录集合并：

根据指定字段的匹配规则合并不同记录数据

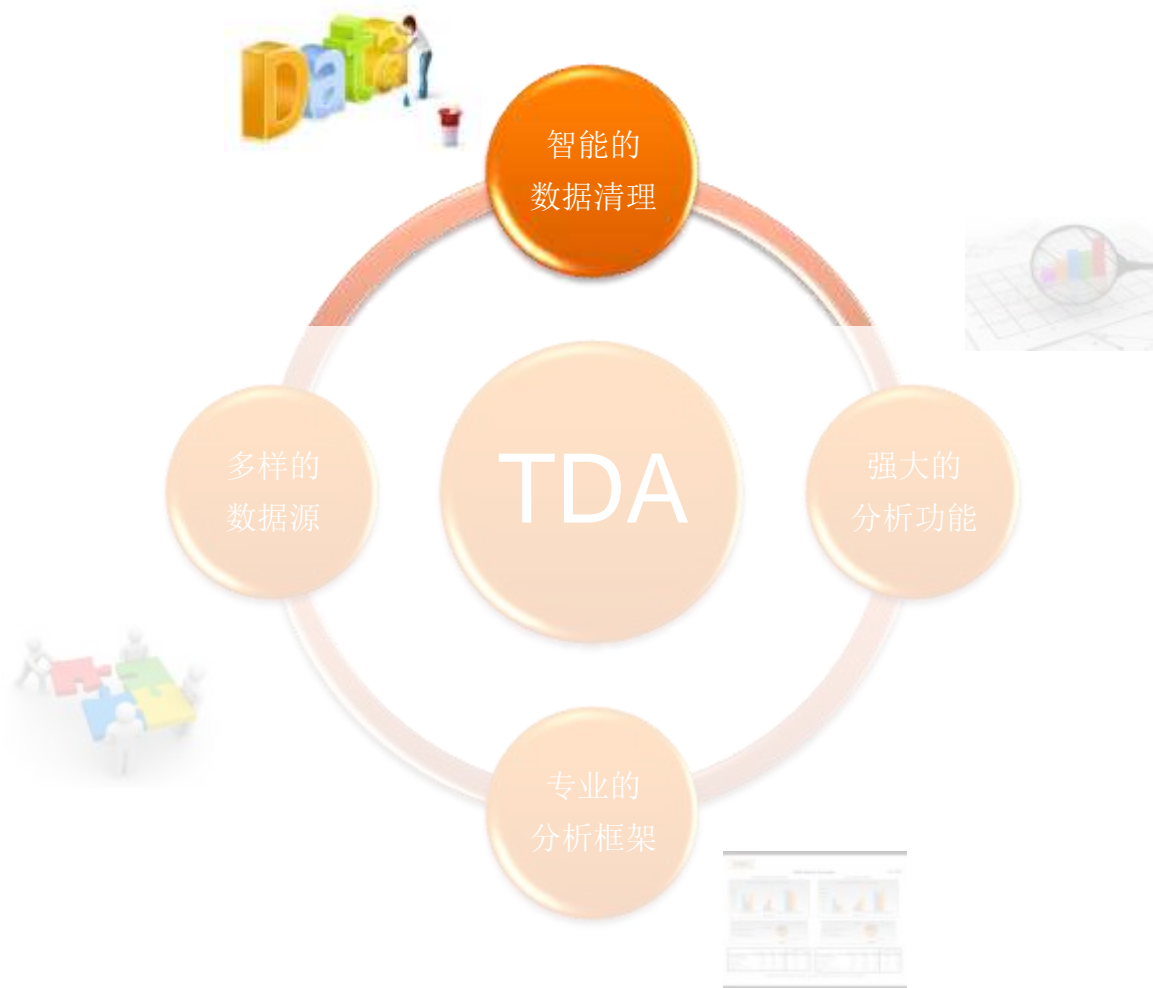


合并相同数据库**不同时间段**数据，用于数据追加
将来自**不同数据库**的数据合并，弥补单一数据库的不足

例如：SCI与DWPI数据合并



TDA的优势



智能的数据清理



准确、完整、一致的数据



高质量，可信的分析结果



原始专利/文献信息的常见数据问题：

个人和机构名称的不同简写方式，拼写错误

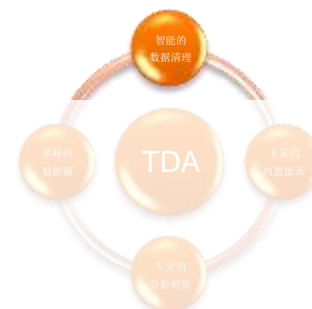
公司并购重组引起的数据修订需要

近义词和同义词

不同数据源存在分类和标引差异

不同数据源带来的重复数据

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智能的数据清理

TDA内置了多种常用的数据清理工具：



模糊匹配 (Fuzzy Match)



叙词表 (Thesaurus)



数据去重 (Duplicates)

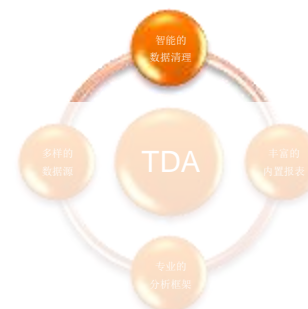


数据分组 (Grouping)

TDA数据清理工具能够帮助情报分析人员：

缩短分析周期，提高分析准确度

更多的专注于数据分析和情报解读



智能的数据清理 – 模糊匹配列表清理工具

TDA可自动对专利权人字段（公司名称）进行模糊匹配，自动归组，从而为后续的分析提供更加准确的数据集合。

公司名称拼写错误或简写

并购，相关控股公司，子公司

其他预置的模糊匹配：

人名匹配 – 发明人/作者数据清理

美式英语和英式英语转换

通用模糊匹配

– 专利详细技术信息数据清理

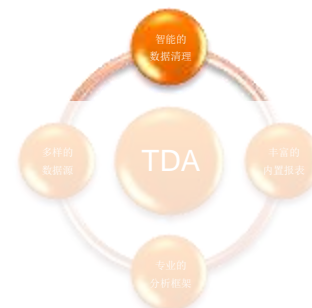
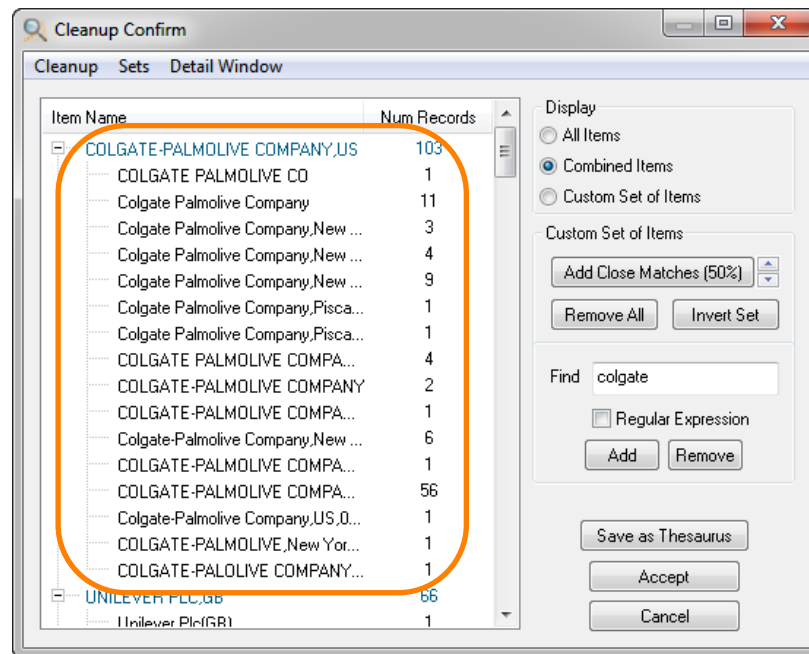
– 其他自然语义处理

如：aeroplanes（美）VS. airplane（英）

人工干预，保证数据清理准确性

保存成叙词表，团队共享，后续使用

高露洁



智能的数据清理 – 叙词表

TDA预置的叙词表可以帮助情报分析人员：

准确清理专利权人，发明人等数据

快速专利分类代码含义转换

国家代码名称转换

便于统一数字和日期格式

排除停用词以便于精确技术分析

还原缩略词/简写词

同义词近义词清理

用户自定义叙词表：

积累数据清理经验，建立可重用叙词表并不断完善，可以提高团队整体分析效率

构建自己的词库 – 专利技术分析

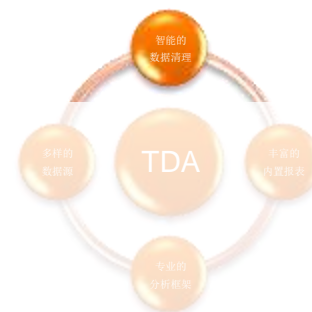
构建行业企业名录 – 快速专利权人清洗

构建自己的分类和同义词/近义词库 – 更精确的技术领域分析

	# Records	# Instances	Priority Countries (earliest)
1	384	384	JP
2	262	262	US
3	82	82	DE
4	75	75	EP
5	45	45	KR
6	25	25	FR
7	22	22	WO
8	20	20	GB
9	17	17	DK
10	12	12	IN
11	1	1	CH
12	1	1	CN



	# Records	# Instances	Priority Countries (earliest) (2)
1	384	384	Japan
2	262	262	United States of America
3	82	82	Germany
4	75	75	European Patent Office
5	45	45	Korea, Republic of
6	25	25	France
7	22	22	Patent Co-operation Treaty
8	20	20	United Kingdom
9	17	17	Denmark
10	12	12	India
11	1	1	China
12	1	1	Switzerland



智能的数据清理 – DWPI数据自动清理

针对Thomson Innovation导出的包含DWPI信息的专利数据，TDA预置了DWPI数据自动清理功能，可以一键清理：

专利权人

发明人

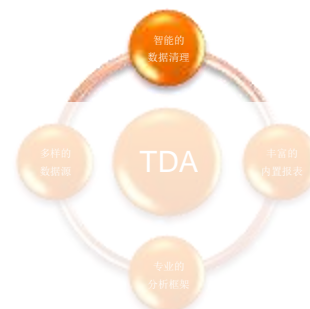
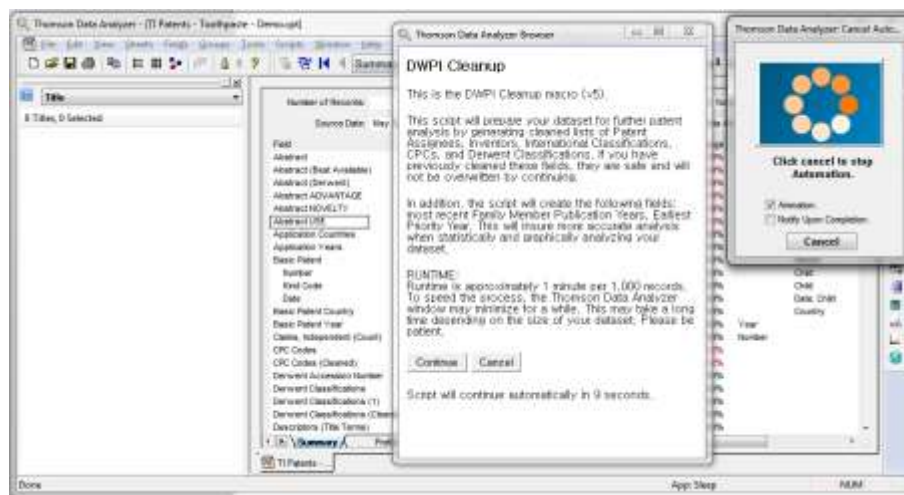
IPC分类

增加DWPI分类说明

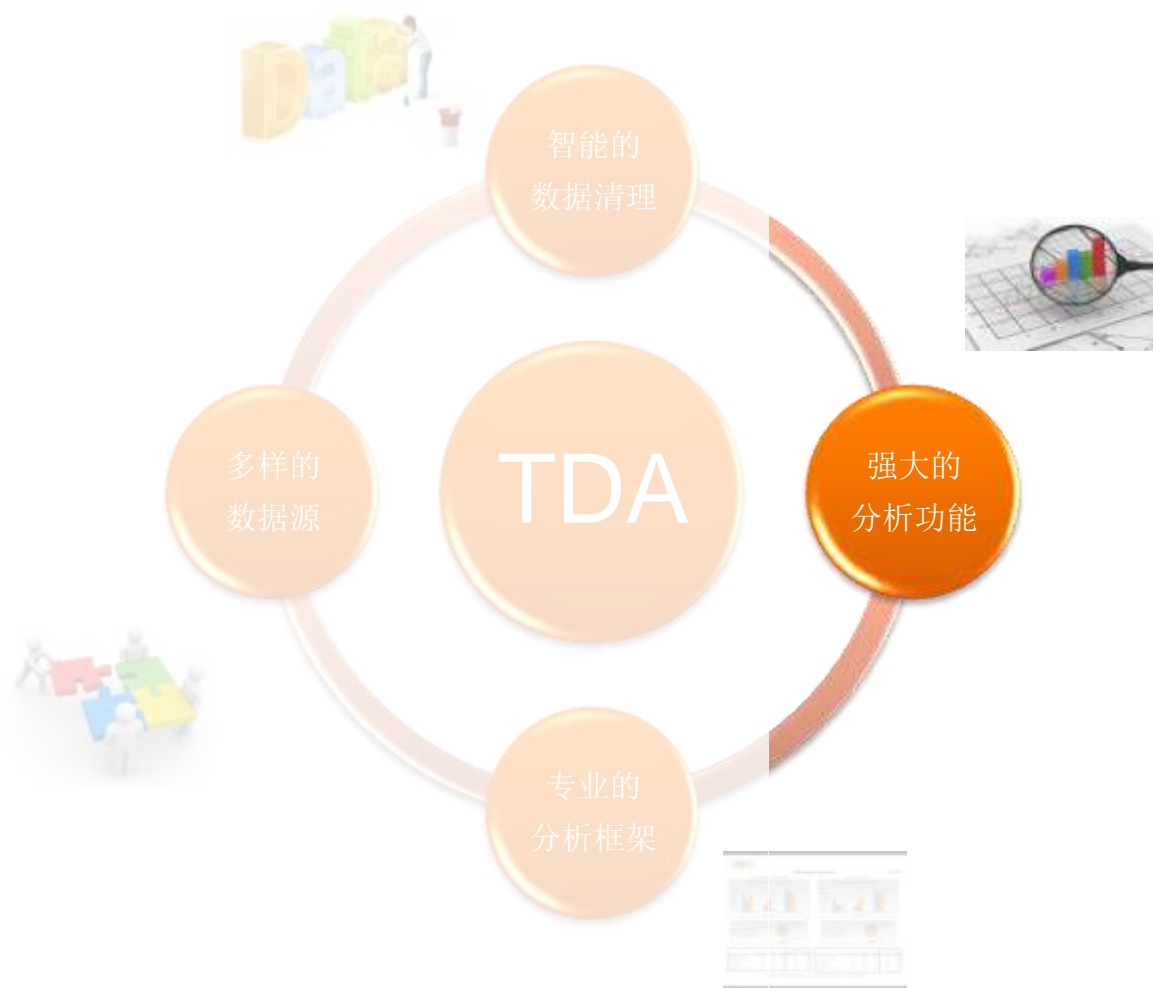
添加最新DWPI专利家族成员信息

添加最早优先权专利信息

• • •



TDA的优势



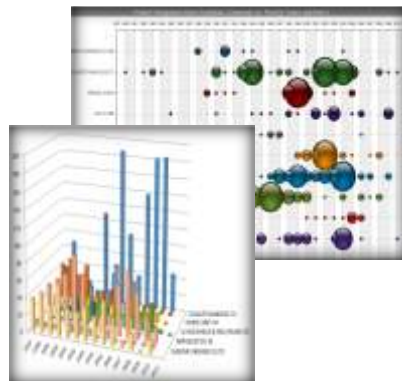
强大的分析功能

	# Records	# Instances	DECI Citied Patent Count
1	1	1	195
2	1	1	189
3	1	1	134
4	1	1	132
5	1	1	112
6	2	2	85
7	1	1	84
8	1	1	82
9	1	1	81
10	1	1	79
11	1	1	75
12	3	3	72

一维列表

Patent Assignments	# Records	US	EP	JP	IN	GB
1	1	1	1	1	1	1
2	1	1	1	1	1	1
3	1	1	1	1	1	1
4	1	1	1	1	1	1
5	1	1	1	1	1	1
6	1	1	1	1	1	1
7	1	1	1	1	1	1
8	1	1	1	1	1	1
9	1	1	1	1	1	1
10	1	1	1	1	1	1
11	1	1	1	1	1	1
12	1	1	1	1	1	1

二维报表



三维分析



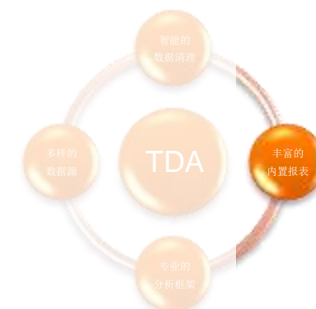
地图呈现

一维列表：国家地区分析，优质专利分析，专利权人分析等

二维报表：相关性分析（共现矩阵，自相关矩阵，互相关矩阵）

三维分析：专利布局分析，技术演进分析，市场趋势分析等，气泡图

地图呈现：合作关系分析（Aduna图），国家地区分析（世界地图）等



强大的分析功能 – 一维列表

根据被引数量 (Cited) 查找核心专利

Number of Records: 948 Source Database: Thomson Innovation - Patents (TDA format)
 Source Date: May 29 2013 22:41 Source File: C:\Program Files (x86)\Thomson Data Analyzer\Sa

Field	Number of Items	% Coverage	Data Type
Abstract	933	99%	
Abstract (Best Available)	944	99%	
Abstract (Derwent)			
Abstract ADVANTAGE			
Abstract NOVELTY			
Abstract USE			
Application Countries			
Application Years			
Basic Patent			
Number			
Kind Code			
Date			
Basic Patent Country			
Basic Patent Year			
Claims, Independent (Count)			
CPC Codes			
CPC Codes (Cleaned)			
Derwent Accession Number			
Derwent Classifications			
Derwent Classifications (Cleaned)			
Descriptors (Title Terms)			
DPCI Cited Non-Patent Count			
DPCI Cited Non-Patent Details			
Family Member			
Citation			
Relevance Category			
Source			
DPCI Cited Patent Count			
DPCI Cited Patent Details			
Patent Assignee Codes			
Patent Assignee Codes (count)			
Patent Assignees			
Patent Assignees (Best Available)			
Patent Assignees (Best Available) (Cleaned)			
Patent Assignees (Cleaned - No Individuals)			
Patent Assignees (Cleaned)			
Patent Assignees (long)			
Priority Countries			
Priority Countries (earliest)			
Priority Dates			
Priority Numbers			
Priority Numbers (long)			
Priority Years			
Priority Years (earliest)			
Publication Country			
Publication Date			
Publication Kind Code			
Publication Number			
Publication Number (Thomson Innovation Link)			
Publication Year			

Thomson Data Analyzer - [D] Patents - Toothpaste - Demo.spt

List DPCI Cited Patent Count

Title (Derwent)	# Records	# Instances	DPCI Cited Patent Count	CPC Codes														
Topical oral composition, e.g. mouth rinse, for...				<table border="1"> <tr><td>A61K1100</td><td>1</td></tr> <tr><td>A61K110407</td><td>1</td></tr> <tr><td>A61K110164</td><td>1</td></tr> <tr><td>A61K11426</td><td>1</td></tr> <tr><td>A61K11662</td><td>1</td></tr> <tr><td>A61K4506</td><td>1</td></tr> <tr><td>A61K302</td><td>1</td></tr> </table>	A61K1100	1	A61K110407	1	A61K110164	1	A61K11426	1	A61K11662	1	A61K4506	1	A61K302	1
A61K1100	1																	
A61K110407	1																	
A61K110164	1																	
A61K11426	1																	
A61K11662	1																	
A61K4506	1																	
A61K302	1																	

Display Record

Field Name	Value
Derwent Accession Number	2007418275
Basic Patent	US20070053849A1 / A1 / 2007-03-08
Title	Oral care compositions containing combinations of anti-bacterial and host-response modulating agents
Title (Best Available)	Topical oral composition , e.g. mouth rinse, for treating and preventing bacteria-mediated diseases of the oral cavity, contains combination of first anti-inflammatory agent(s) and second anti-bacterial agent(s) in carrier
Abstract (Derwent)	A topical oral composition contains first active agent(s) having inhibitory activity against host pro-inflammatory factor(s) such as matrix metalloproteinase, cyclooxygenase, PGE 2 , interleukin 1 (IL-1), IL-1β converting enzyme, transforming growth factor β1, inducible nitric oxide synthase, hyaluronidase, cathepsin, nuclear factor kappa B, or IL-1 receptor associated kinase; second active agent(s) having inhibitory activity against bacterial virulence factor(s) such as biofilms , cell origin , biofilm adherence , or enzymes (e.g. gingipains, ME toxicity , ATC lystalysis); and carrier. An INDEPENDENT CLAIM is included for treatment and prevention of oral cavity bacterial infection and inhibition of systemic disease mediated by oral cavity
Notes about this record	Oral from new database



强大的分析功能 – 一维列表

Number of Records: 948 Source Database: Thomson Innovation - Patents (TDA format)
 Source Date: May 29 2013 22:41 Source File: C:\Program Files (x86)\Thomson Data Analyzer\Sa

Field	Number of Items	% Coverage	Data Type
Abstract	933	99%	
Abstract (Best Available)	944	99%	
Abstract (Derwent)	944		
Abstract ADVANTAGE	832		
Abstract NOVELTY	944		
Abstract USE	848		
Application Countries	10		
Application Years	21		
Basic Patent	948		
Number	948		
Kind Code	5		
Date	588		
Basic Patent Country	10		
Basic Patent Year	20		
Claims, Independent (Count)	14		
CPC Codes	901		
CPC Codes (Cleaned)	901		
Derwent Accession Number			
Derwent Classifications			
Derwent Classifications (Cleaned)			
Descriptors (Title Terms)			
DPCI Cited Non-Patent Count			
DPCI Cited Non-Patent Details			
Family Member			
Citation			
Relevance Category			
Source			
DPCI Cited Patent Count			
DPCI Cited Patent Details			
Patent Assignee Codes			
Patent Assignee Codes (count)			
Patent Assignees			
Patent Assignees (Best Available)			
Patent Assignees (Best Available) (Cleaned)			
Patent Assignees (Cleaned - No Individuals)			
Patent Assignees (Cleaned)	469	100%	
Patent Assignees (long)	518	100%	
Priority Countries	13	99%	
Priority Countries (earliest)	12	99%	
Priority Dates	840	99%	
Priority Numbers	1134	99%	
Priority Numbers (long)	1134	99%	
Priority Years	21	99%	Year
Priority Years (earliest)	21	99%	Year
Publication Country	10	100%	
Publication Date	626	100%	
Publication Kind Code	16	100%	
Publication Number	948	100%	
Publication Number (Thomson Innovation Link)	948	100%	Link
Publication Year	20	100%	Year

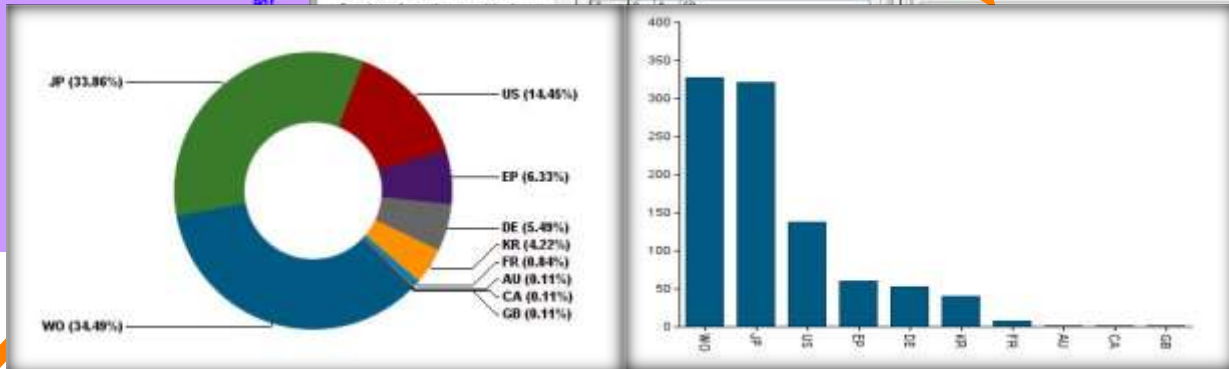
分析专利国家/地区分布情况

Thomson Data Analyzer - [T] Patents - Toothpaste - Demo.rpt

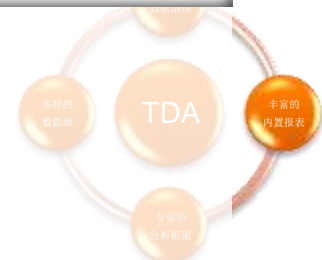
List Publication Country

Title (Derwent)	# Records	# Instances	Publication Country
137 Title, 0 Selected			
A composition used for tooth-paste and ge...	1	107	JP
Abrasive, precipitated cubic calcium carbo...	2	321	JP
Abrasive, precipitated silica used in manufa...	3	133	US
Anti-tartar oral composition for use in dent...	4	68	EP
Antimicrobial agent, useful for controlling...	5	52	DE
Antiplaque oral composition e.g. toothpaste...	6	48	FR
Atoms composition for reducing unpleasant...			
Blend of essential oil components useful in...			
Blend useful in toothpaste and conditioner...			

CPC Codes	# Records	# Instances
131	11	A61Q1108
27	11	A61K0025
24	11	A61K0047
28	11	A61K0119
29	11	A61K0024
14	11	A61K220008
14	11	A61K0022
12	11	A61K0021
12	11	A61K0064
12	11	A61K0011



一键生成相关图表



强大的分析功能 – 二维报表

Reset Inventors (Cleaned) # Records

Show Values >= 0.00 and <=

# Records	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	
17	APRIL Jae Hyun	0.577	0.599	-0.014	0.509	-0.012	-0.011	0.539	0.429	0.114	-0.009	-0.009	0.114	-0.009	-0.009	0.114	0.296	-0.008	-0.008	-0.008	0.134	0.134	
14	HA WON HO	0.577	0.206	0.211	0.244	0.658	0.276	0.101	-0.009	0.595	0.233	-0.008	0.127	0.262	-0.008	-0.008	-0.008	-0.008	-0.008	0.127	-0.007	-0.007	0.145
13	KIM Young Ho	0.599	0.211	0.000	-0.012	-0.011	-0.011	-0.009	0.618	-0.009	0.367	-0.008	-0.008	-0.008	-0.008	0.272	0.272	-0.008	-0.008	-0.008	-0.007	0.155	-0.007
10	AHN JAE HYEON	-0.014	0.244	-0.012	0.244	0.658	-0.016	0.565	0.382	-0.008	-0.008	-0.007	0.471	-0.007	-0.007	-0.007	0.312	-0.007	0.546	-0.006	-0.006	-0.006	-0.006
8	KANG SANG JIN	0.509	0.258	-0.011	-0.010	-0.009	-0.009	-0.007	0.718	0.152	-0.006	-0.006	0.520	-0.006	-0.006	-0.006	-0.006	-0.006	0.350	-0.005	-0.005	0.405	-0.005
8	KIM YEONG HO	-0.012	0.278	-0.011	0.244	0.658	-0.009	0.565	0.382	-0.007	-0.007	-0.006	0.350	-0.006	-0.006	-0.006	0.172	-0.006	-0.006	-0.005	-0.005	0.405	-0.005
6	KIM MUN MU	-0.011	0.101	-0.009	0.382	-0.007	0.283	0.000	0.606	-0.006	-0.006	0.200	0.485	-0.005	0.405	-0.005	0.200	0.405	-0.005	-0.004	-0.004	-0.004	-0.004
5	KANG Taek Kyun	0.539	-0.009	0.618	-0.008	-0.007	-0.007	-0.006	0.555	-0.005	0.196	-0.005	-0.005	-0.005	0.229	-0.005	-0.005	-0.005	-0.005	-0.004	-0.004	-0.004	-0.004
5	KIM BYUNG JUN	0.429	0.595	-0.009	-0.008	0.718	-0.007	-0.006	-0.005	0.718	-0.005	0.220	-0.005	0.220	-0.005	-0.005	-0.005	-0.005	-0.005	-0.004	-0.004	-0.004	-0.004
5	MOON Kye Tae	0.429	0.233	0.387	-0.008	0.152	-0.007	-0.006	0.196	-0.005	0.000	0.220	-0.005	0.220	-0.005	0.445	-0.005	-0.005	-0.005	-0.004	-0.004	0.255	-0.004
4	CHANG Sug Youn	0.114	-0.008	-0.008	-0.007	-0.006	-0.006	0.200	-0.005	0.005	0.220	0.000	0.247	0.247	-0.004	0.488	-0.004	0.247	0.488	-0.004	0.286	0.286	-0.004
4	CHOI JONG HEDN	-0.009	0.127	-0.008	0.471	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008
4	KIM Han Soo	0.236	0.262	-0.008	-0.007	0.539	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008

利用互相关矩阵展示公司间技术研发的相似程度

Reset Patent Assignees (Cleaned) # Records

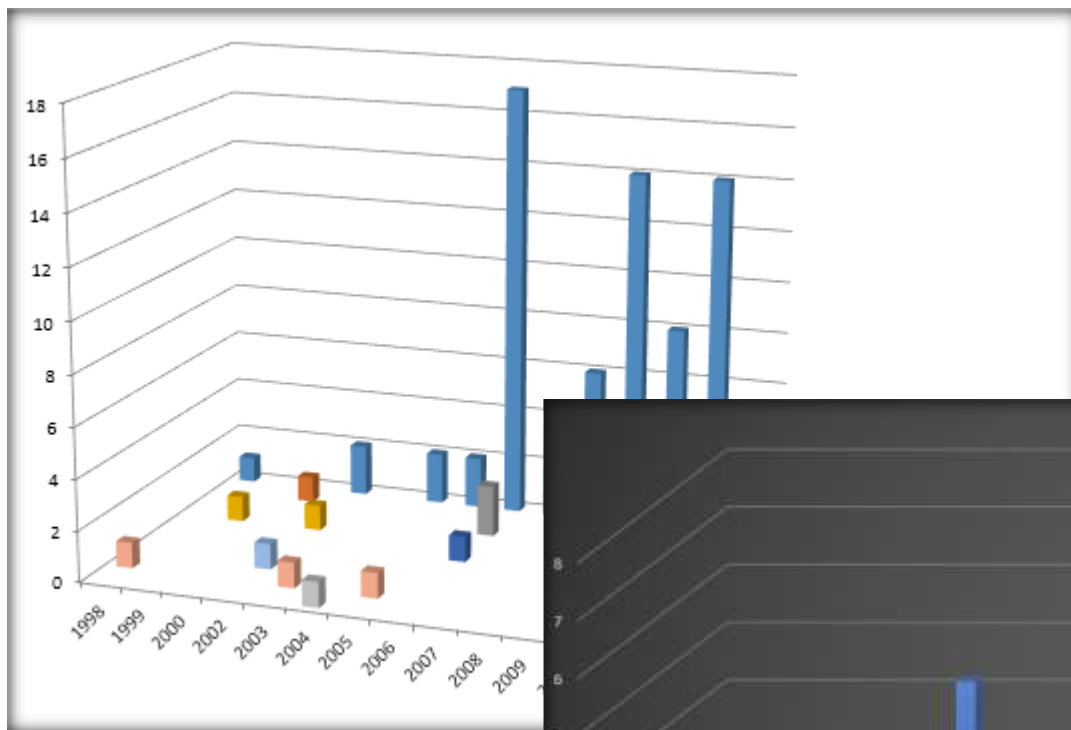
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Cross-Correlation Crossed With: International Classifications 6 (Cleaned) 1 Groups (Items)

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15	APRIL Jae Hyun	0.114	-0.008	0.272	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007
16	LIH HYEONG JUN	-0.009	-0.008	0.272	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007
17	PARK HYEONG GUK	-0.009	-0.008	0.272	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007
18	YOON SE YEONG	0.114	-0.008	-0.008	0.312	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007
19	YUN Se Young	0.236	0.127	-0.008	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007
20	JANG SEOK YUN	-0.008	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007
21	KIM Moon Moo	-0.008	-0.007	0.155	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006
22	KWAK Sang Hoon	0.134	0.149	-0.007	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006
23	JANG EUN GYEDNG	-0.006	-0.006	-0.006	0.445	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006
24	KANG TAEK GYUN	-0.006	0.185	-0.005	0.445	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006
25	KIM HU DEOK	-0.006	-0.006	-0.006	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005
26	KIM Hyung Jin	0.167	-0.006	0.380	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005
27	KIM Ji HYE	0.167	0.185	0.192	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005
28	KIM Ji YEONG	-0.006	-0.006	-0.006	0.445	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006
29	LEE HUN SANG	-0.006	-0.006	-0.006	0.220	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006
30	LEE Jin Hwan	0.167	-0.006	0.192	0.220	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006
31	LEE SEUNG JUN	-0.006	-0.006	-0.006	0.220	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006

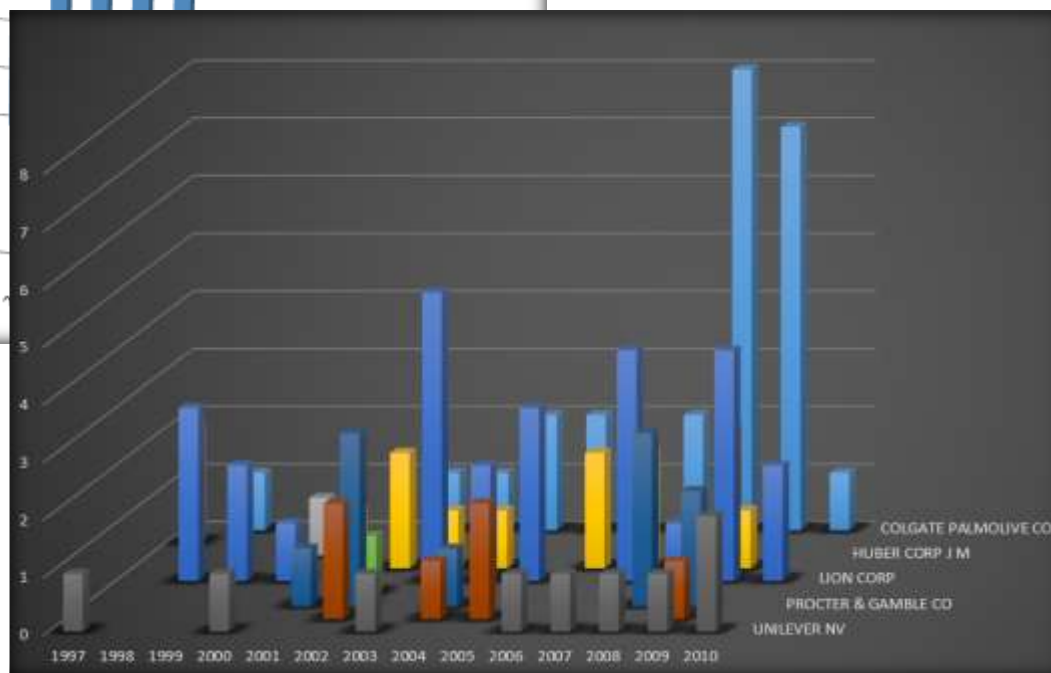
利用自相关矩阵展示高露洁研发团队成员的合作关系

强大的分析功能 – 三维分析



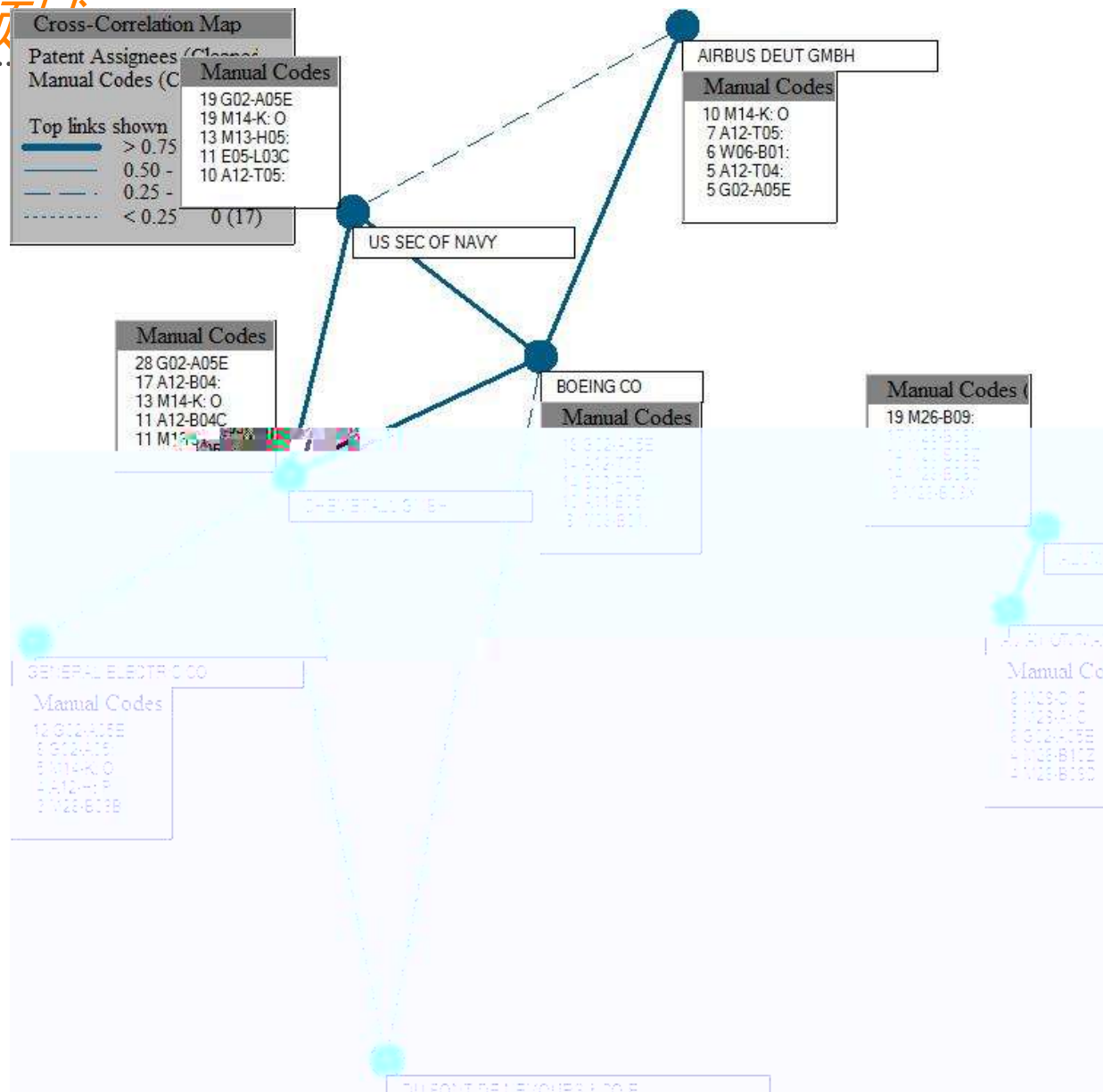
前五名主要专利权人在某技术领域公开的研发趋势

前五名主要专利权人在台湾的专利布局



主要专利权人之间的自/互相关地图

航空航天耐腐蚀领域

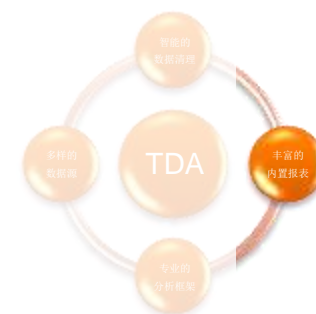


- 主要专利权人几乎没有专利合作的情况。
- 专利权人BOEING CO、AIRBUS DEUT GMBH、US SEC OF NAVY、CHEMETALL GMBH所代表的的节点之间的连线粗而且距离近，说明专利权人的专利在所属技术领域上相似度高，可能是潜在的竞争对手。

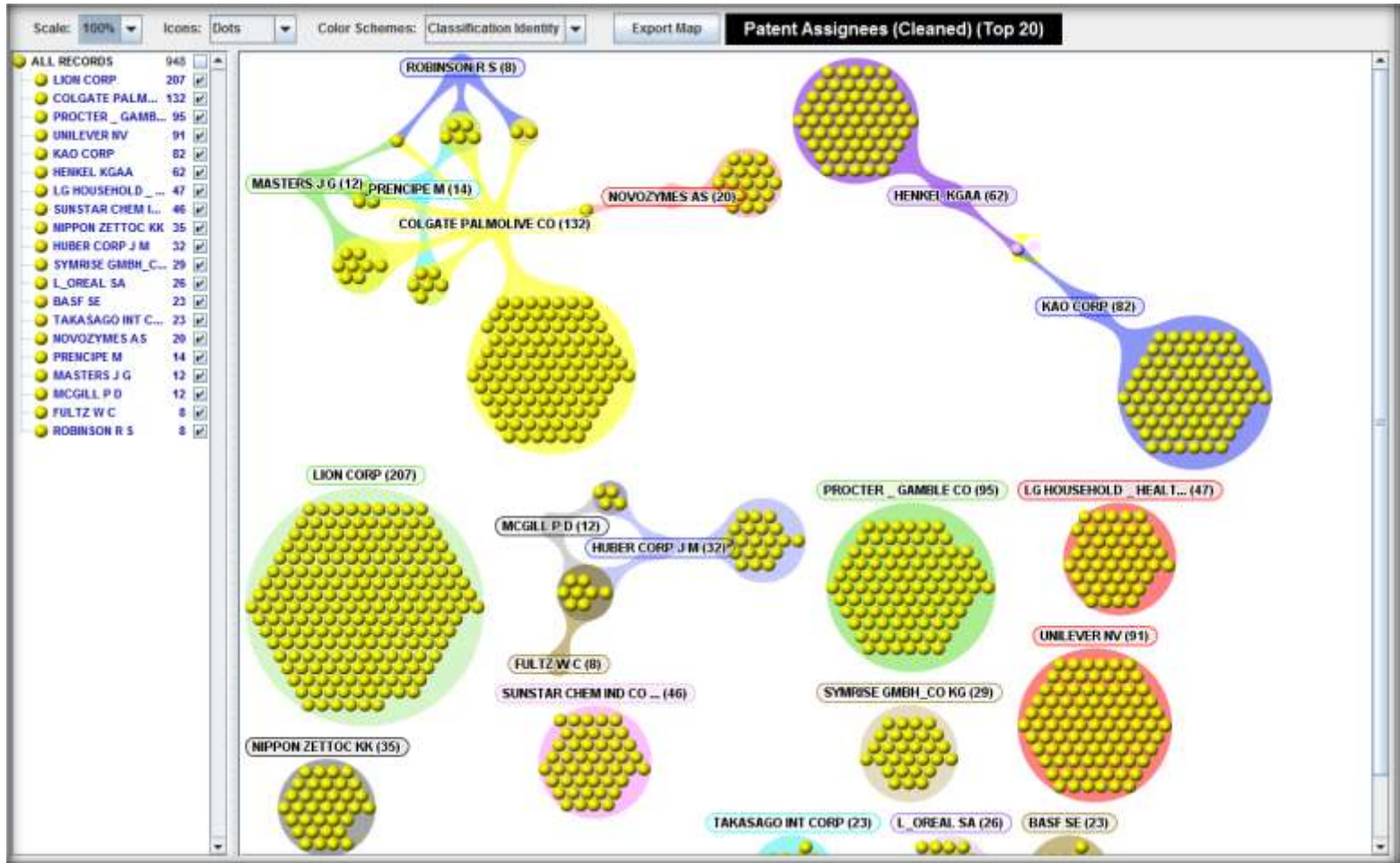
强大的分析功能 – 地图呈现



一键式地图展现-高露洁在某一领域专利的国家/地区分布



强大的分析功能 – Aduna图



Aduna图展示高露洁在同行业的合作关系以展示行业竞合态势

强大的分析功能 – 文本挖掘

Technology Trends in Last 3 Years

Last 3 Years is: 2008 - 2006

Terms First Used in Last 3 Years

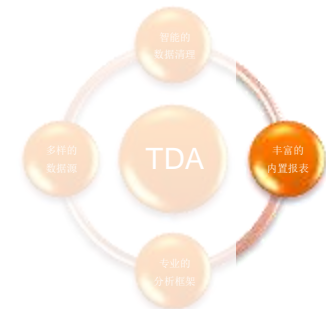
titanium trichloride [3]
 titanium oxide precursor slurry [2]
 brookite type titanium dioxide [2]
 oxy titanium sulfate [2]
 oxy titanium sulfate aqueous solution [2]
 water-soluble titanium dioxide nanoparticles [1]
 growing cadmium chloride CdCl₂ cap [1]
 growing n-type cadmium sulfide window [1]
 radium [1]
 cadmium telluride absorber [1]
 heating titanium oxide [1]
 cadmium telluride CdTe photovoltaic cell [1]
 ruthinium [1]
 cadmium telluride layer [1]
 rutile type titanium oxide particles [1]
 cadmium telluride photovoltaic cell 100 A1 comprising n-type
 cadmium telluride photovoltaic cell comprising n-type cadmi
 single-phase brookite type titanium dioxide. The hydroxycarb
 sodium acetate aqueous solution 5 wt [1]
 sodium ascorbate [1]
 sodium bicarbonate [1]
 hydrolyzing titanium alkoxide [1]
 sodium bisulfite [1]
 hydrous cerium oxide [1]
 sodium chloride solution [1]
 sodium dihydrogen phosphate [1]

Terms No Longer Published in Last 3 Years

cadmium sulphide [7]
 medium [6]
 potassium hydroxide [6]
 ammonium [4]
 ruthenium oxide [4]
 iridium oxide IrO₂ [4]
 cesium [4]
 titanium oxide film [4]
 niobium oxide [4]
 hydroxylated titanium gel [3]
 sodium sulfide [3]
 calcium phosphate [3]
 redox medium [2]
 rubidium [2]
 anatase-type titanium oxide powder [2]
 ruthenium oxide RuO₂ [2]
 rutile titanium dioxide [2]
 silicon-titanium mixed oxide powder [2]
 calcium carbonate [2]
 calcium compound [2]
 calcium hydroxide [2]
 calcium silicate [2]
 tetramethylammonium hydroxide [2]
 titanium dioxide film [2]
 titanium dioxide particles [2]
 cerium oxide [2]





基于TDA特有的文本挖掘功能，可以对专利技术信息进行深入的分析

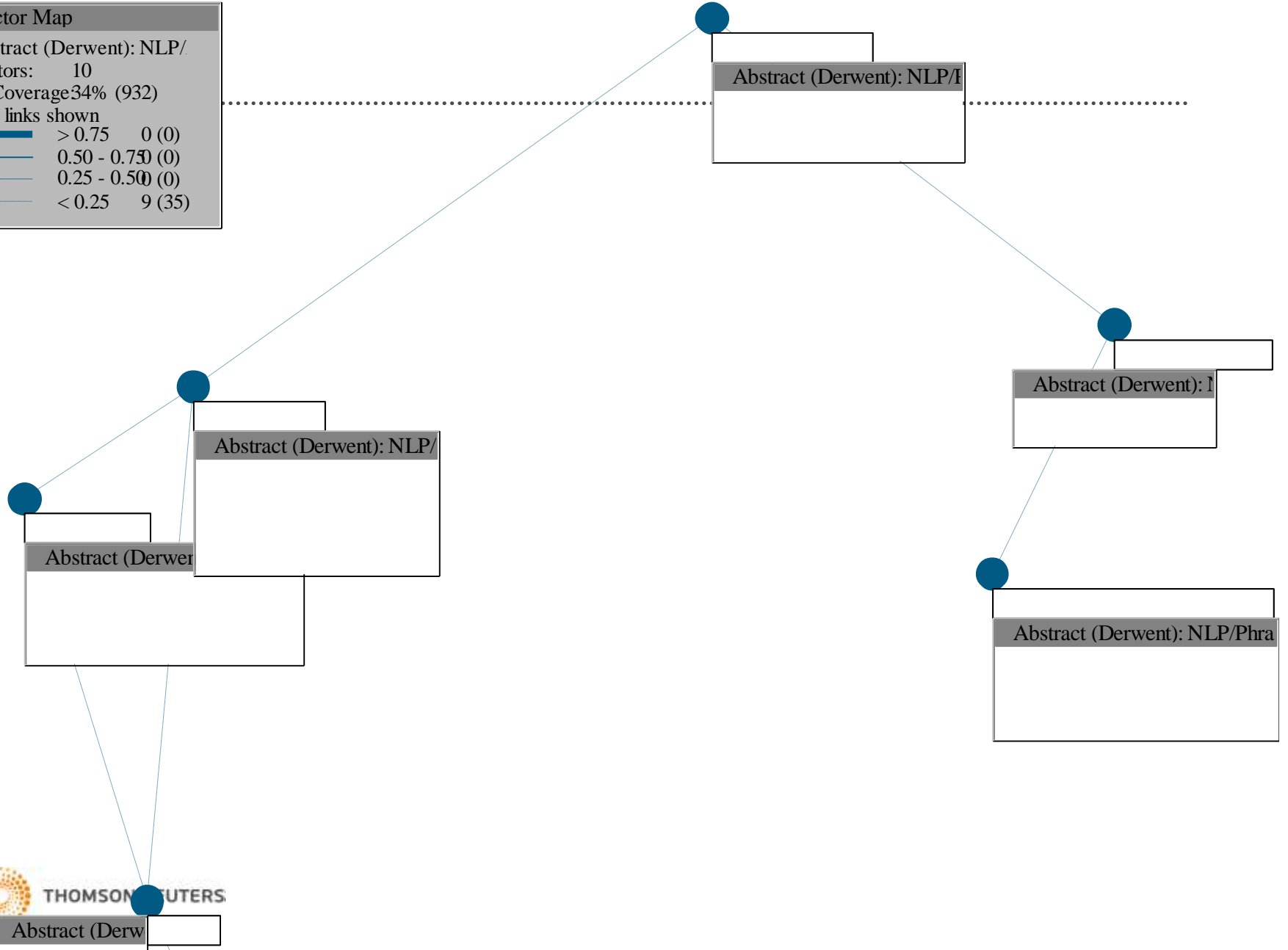
左图展示了某一技术领域最近三年新出现的技术词汇和最近三年不再使用的技术词汇，从而通过词汇的研读可以了解技术发展趋势和热点



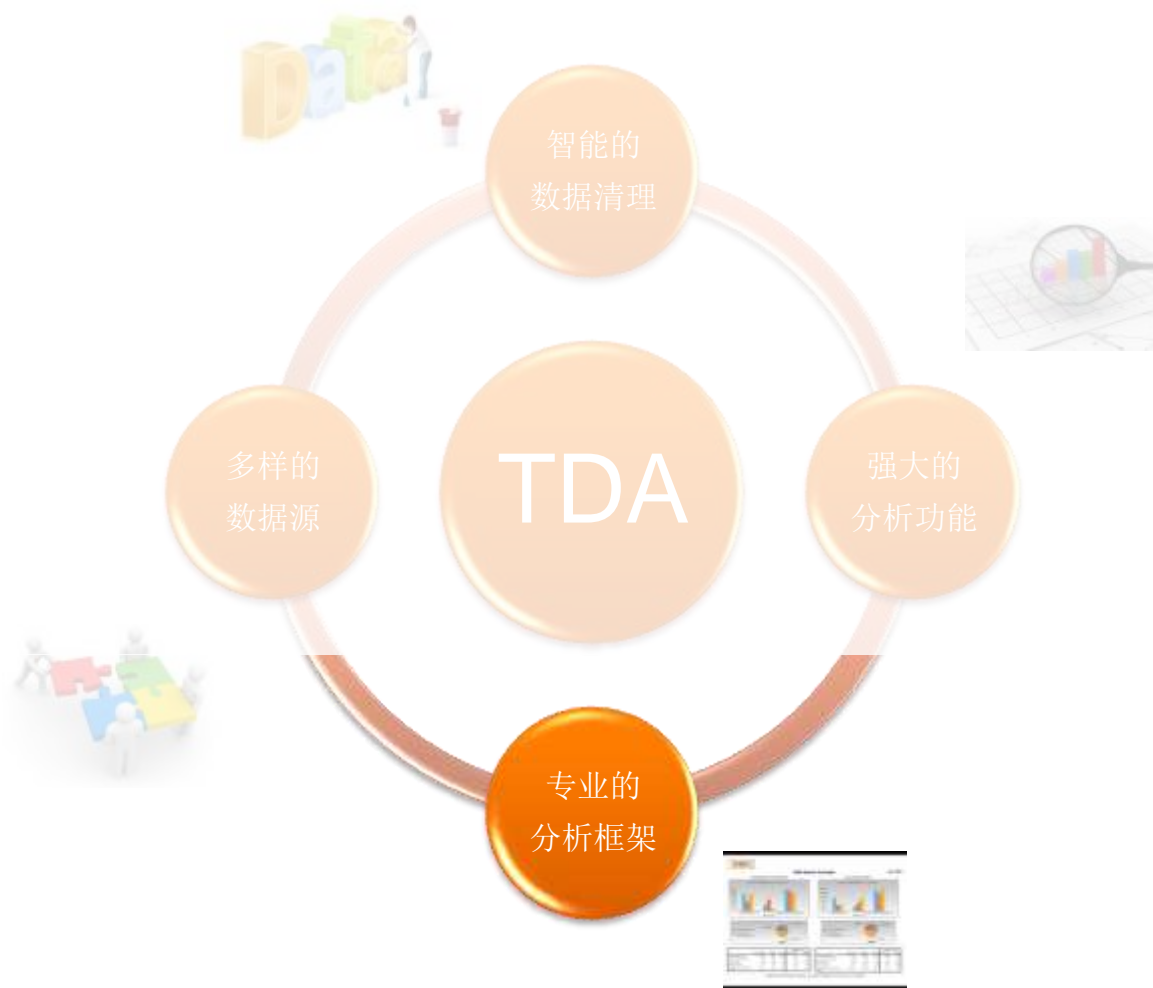
技术热点聚类-主成分地图 (德温特摘要NLP)

Factor Map
Abstract (Derwent): NLP/
Factors: 10
% Coverage 34% (932)
Top links shown

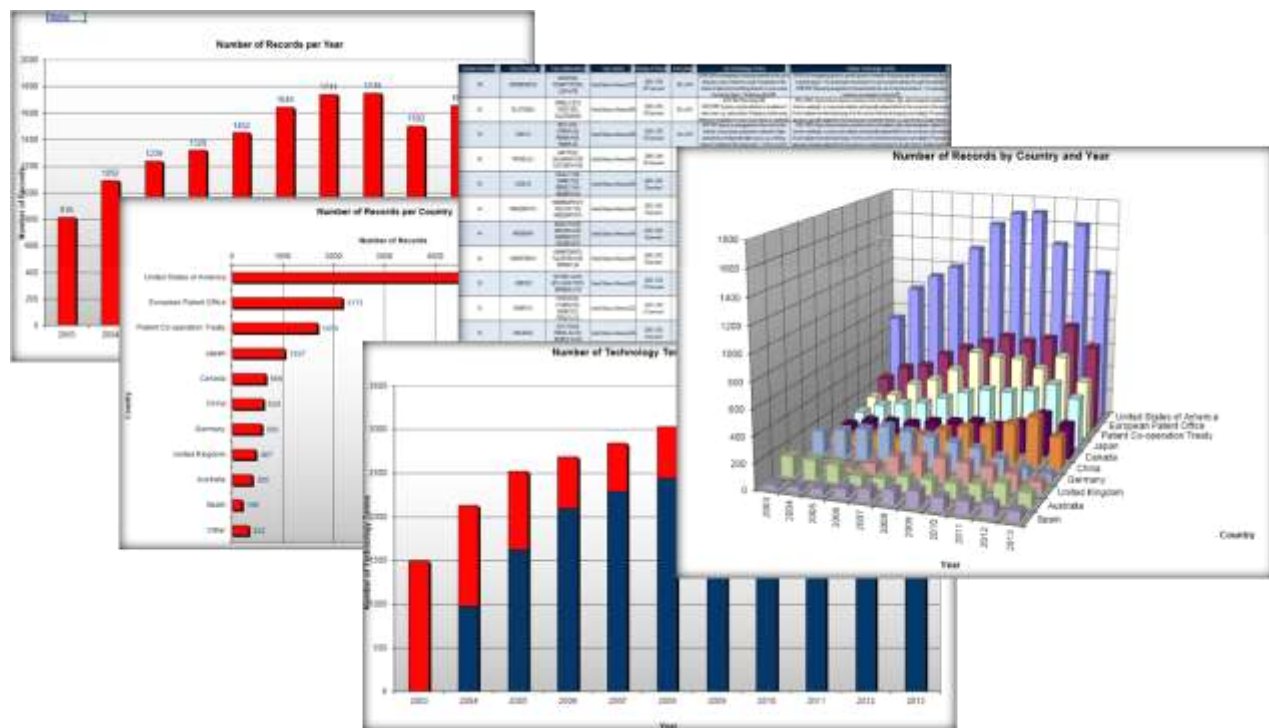
	> 0.75	0 (0)
	0.50 - 0.75	0 (0)
	0.25 - 0.50	0 (0)
	< 0.25	9 (35)



TDA的优势



一键式生成
报告!



专业的分析框架

基于专业的分析框架，TDA能够快速生成全方位分析报告：

公司分析报告

公司间比较分析报告

某一领域的技术分析报告

通过分析报告可以快速从多个角度了解：

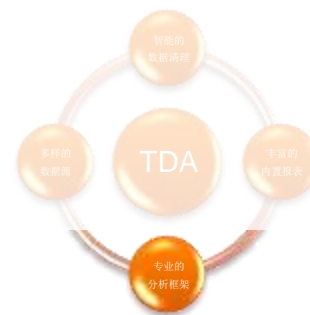
各目标分析公司的专利发展情况及内部研发团队成员情况

特定技术领域的发展趋势

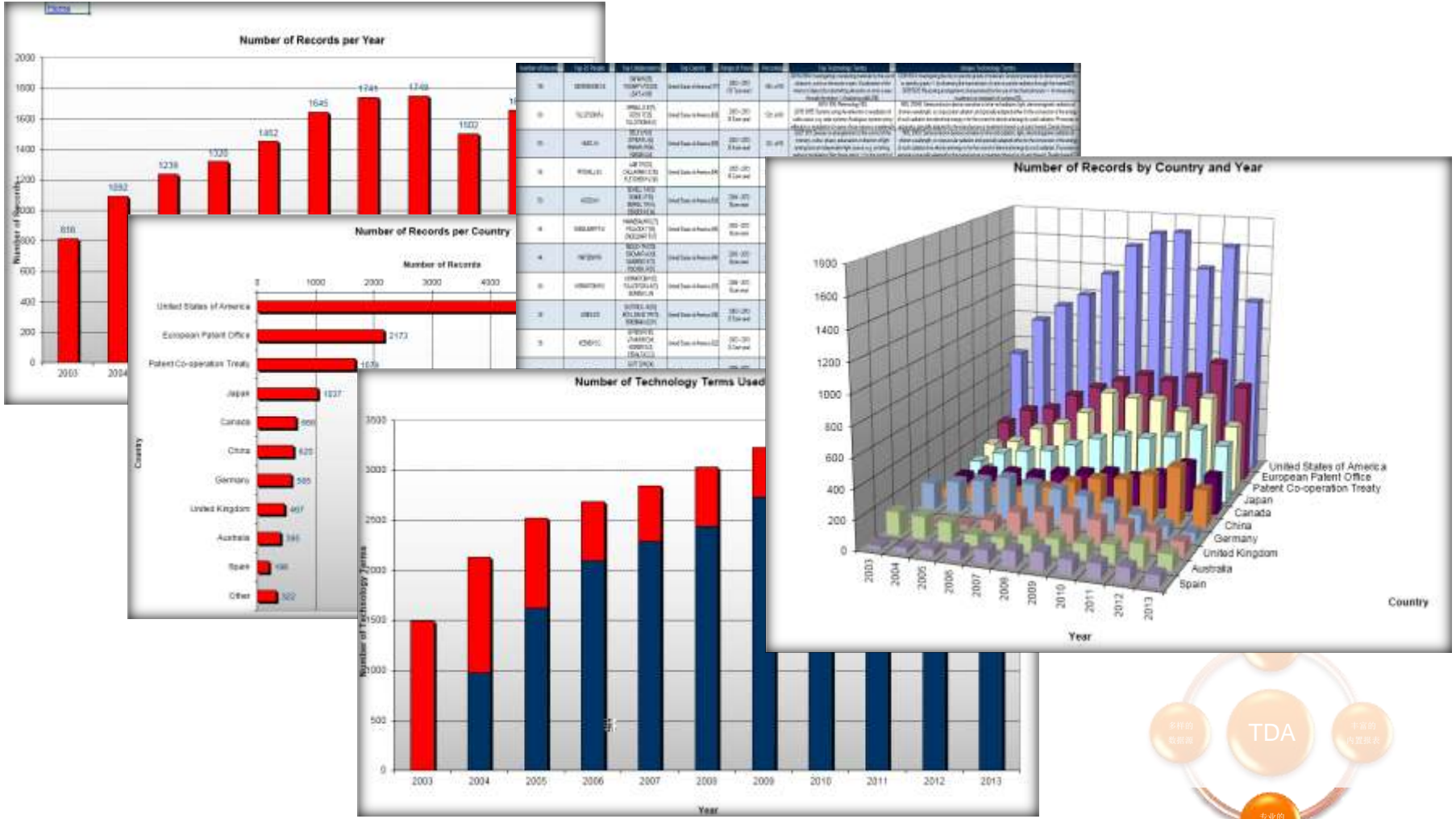
核心专利发明人及其所属公司

潜在的专利推广对象

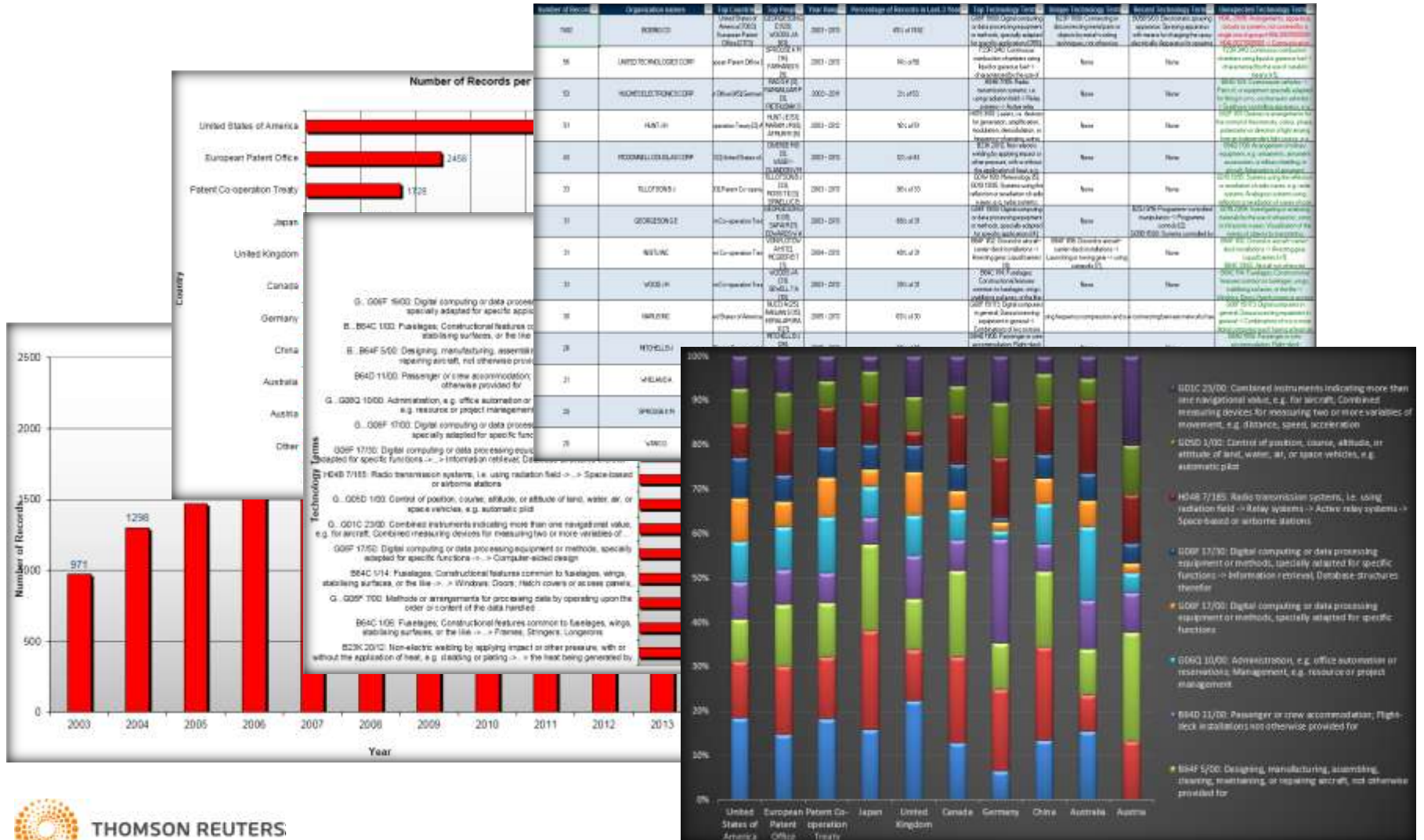
TDA根据客户的反馈不断地增加和升级各种分析报告，以满足多方位的分析需求



专业的分析框架 – 公司分析报告



专业的分析框架 – 技术分析报告



小结:



案例：中国社会主义



全景分析

国家研究产出分布

本研究领域的时空分布

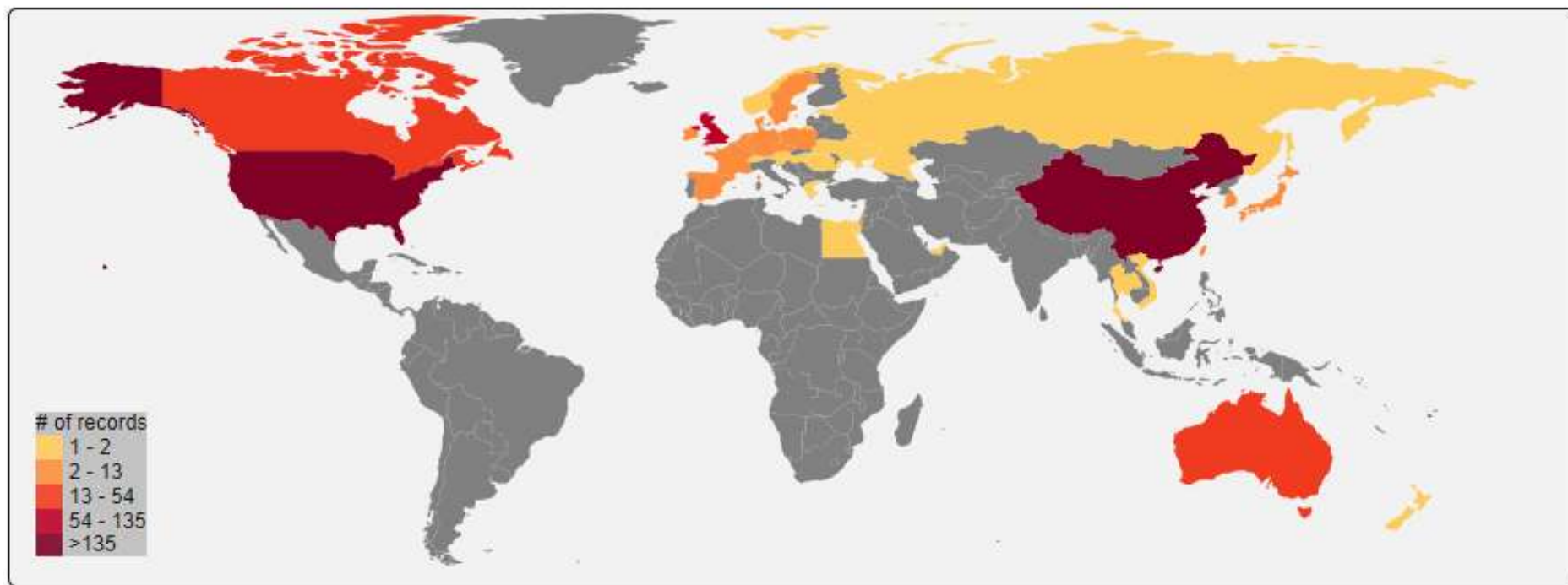
高影响力文献的主要研究领域

本领域的核心参考文献和高影响力作者

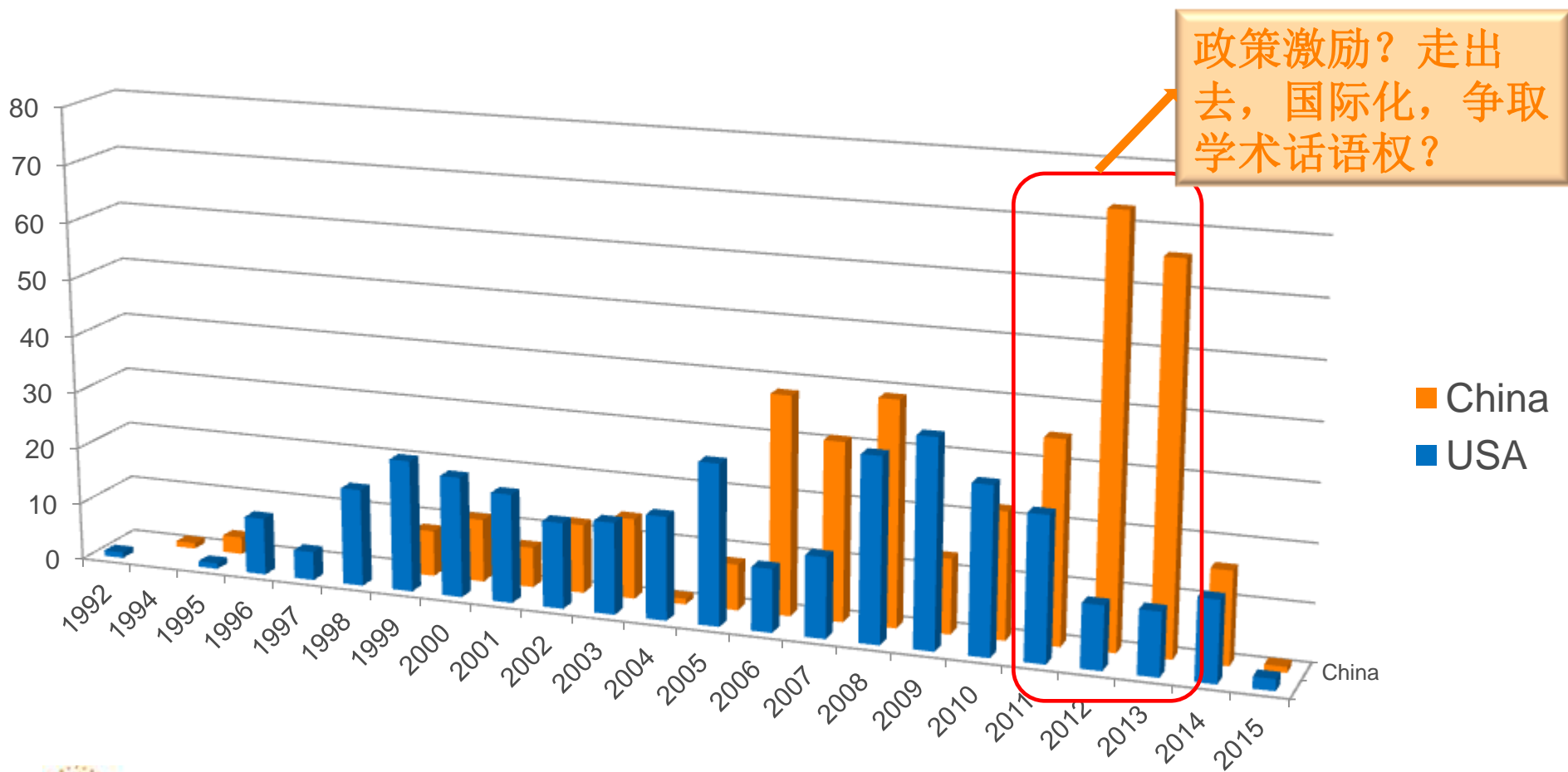
本领域主要研究机构合作网络图谱

国家研究产出分布

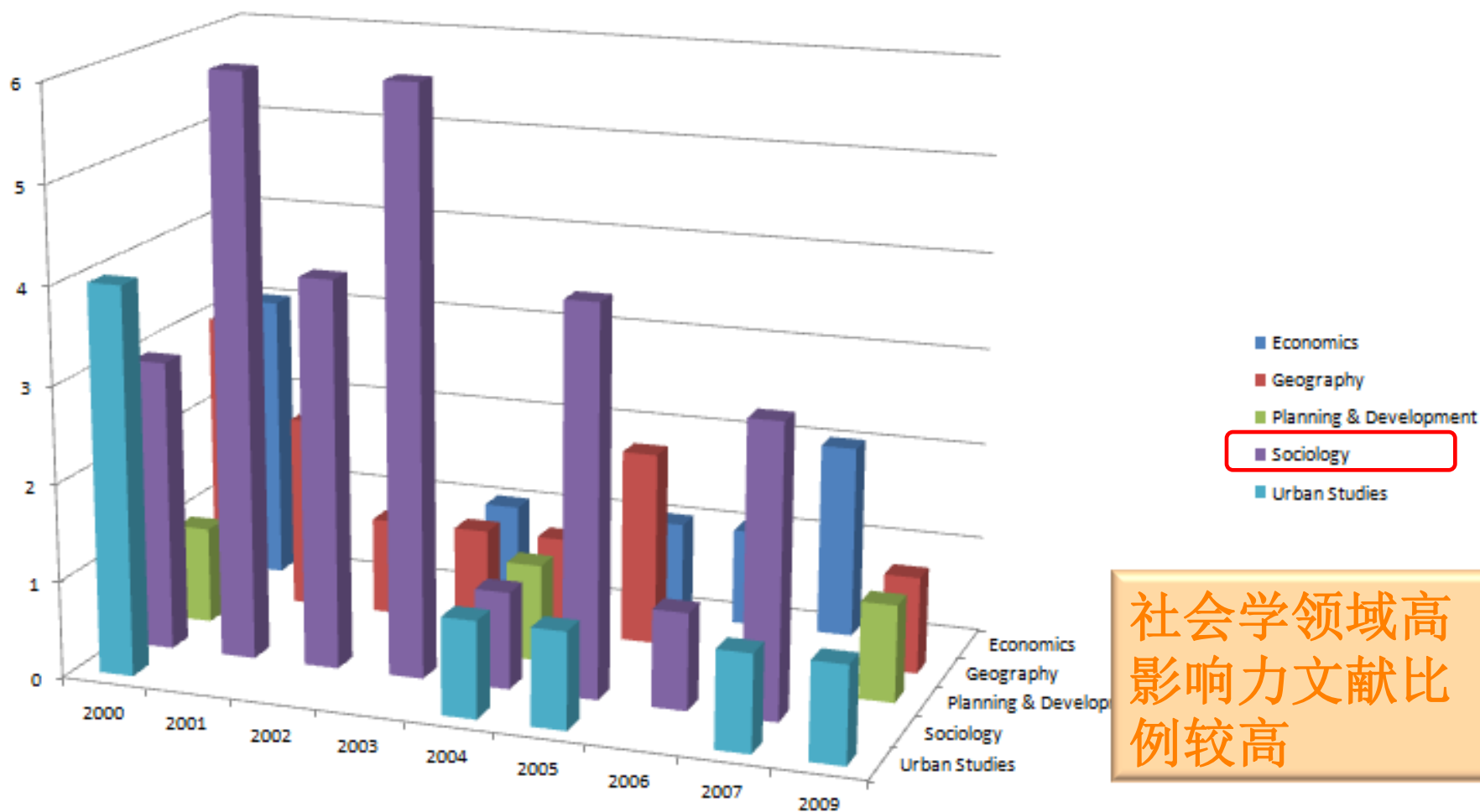
Map of Countries



本领域研究产出的时间分布（中国VS美国）



本领域高影响力文献研究领域分布（被引频次>20）



社会学领域高影响力文献比例较高



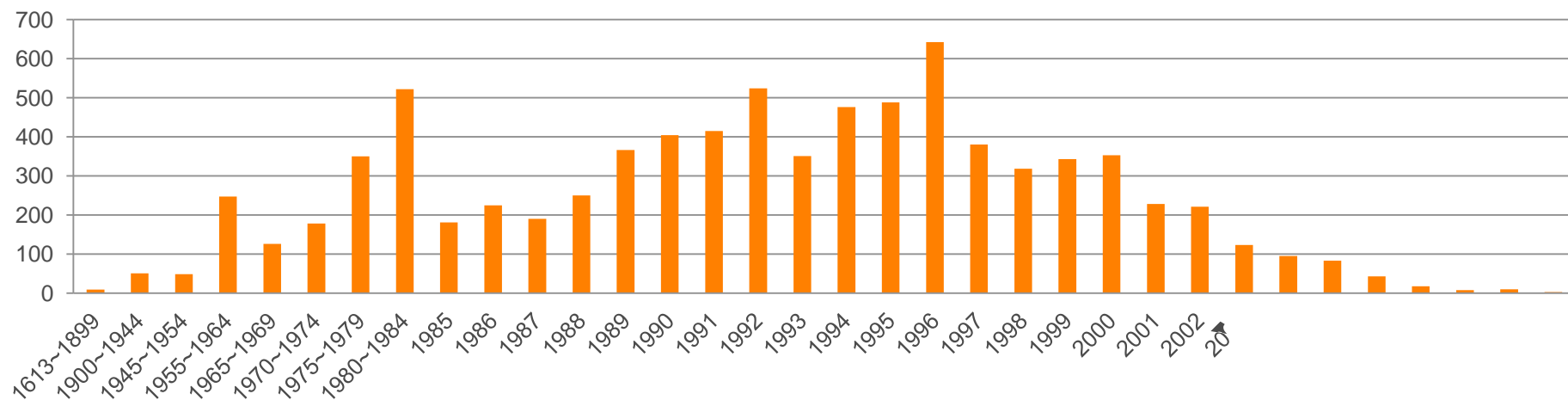
本领域的核心参考文献

	# Records	# Instances	Cited References
1	56	56	NEE V, 1989, AM SOCIOL REV, V54, P663, DOI 10.2307/2117747
2	48	48	NEE V, 1991, AM SOCIOL REV, V56, P267, DOI 10.2307/2096103
3	36	36	RONATAS A, 1994, AM J SOCIOL, V100, P40, DOI 10.1086/230499
4	33	33	Nee V, 1996, AM J SOCIOL, V101, P908, DOI 10.1086/230784
5	30	30	Walder Andrew G., 1986, COMMUNIST NEOTRADITI
6	29	29	WALDER AG, 1992, AM SOCIOL REV, V57, P524, DOI 10.2307/2096099
7	26	26	Parish William L., 1984, URBAN LIFE CONT CHIN
8	25	25	OI JC, 1992, WORLD POLIT, V45, P99, DOI 10.2307/2010520
9	25	25	Xie Y, 1996, AM J SOCIOL, V101, P950, DOI 10.1086/230785
10	24	24	NEE V, 1992, ADMIN SCI QUART, V37, P1, DOI 10.2307/2393531
11	23	23	SZELENYI I, 1978, INT J COMP SOCIOL, V19, P63, DOI 10.1177/002071527801900105
12	22	22	WALDER AG, 1995, AM SOCIOL REV, V60, P309, DOI 10.2307/2096416
13	21	21	Bian YJ, 1996, AM SOCIOL REV, V61, P739, DOI 10.2307/2096451
14	20	20	LIN N, 1991, AM J SOCIOL, V97, P657, DOI 10.1086/229816
15	20	20	Parish WL, 1996, AM J SOCIOL, V101, P1042, DOI 10.1086/230788
16	20	20	Walder AG, 1996, AM J SOCIOL, V101, P1060, DOI 10.1086/230789
17	18	18	LIN N, 1995, THEOR SOC, V24, P301, DOI 10.1007/BF00993350
18	18	18	Szelenyi I, 1996, AM J SOCIOL, V101, P1082, DOI 10.1086/230791
19	17	17	Bian Y. J., 1994, WORK INEQUALITY URBA
20	16	16	PENG YS, 1992, AM SOCIOL REV, V57, P198, DOI 10.2307/2096205
21	16	16	Stark D, 1996, AM J SOCIOL, V101, P993, DOI 10.1086/230786
22	16	16	WALDER AG, 1995, AM J SOCIOL, V101, P263, DOI 10.1086/230725
23	16	16	Zhou XG, 2000, AM J SOCIOL, V105, P1135, DOI 10.1086/210401

Victor Nee多篇文献被本领域文献引用较高



参考文献分布

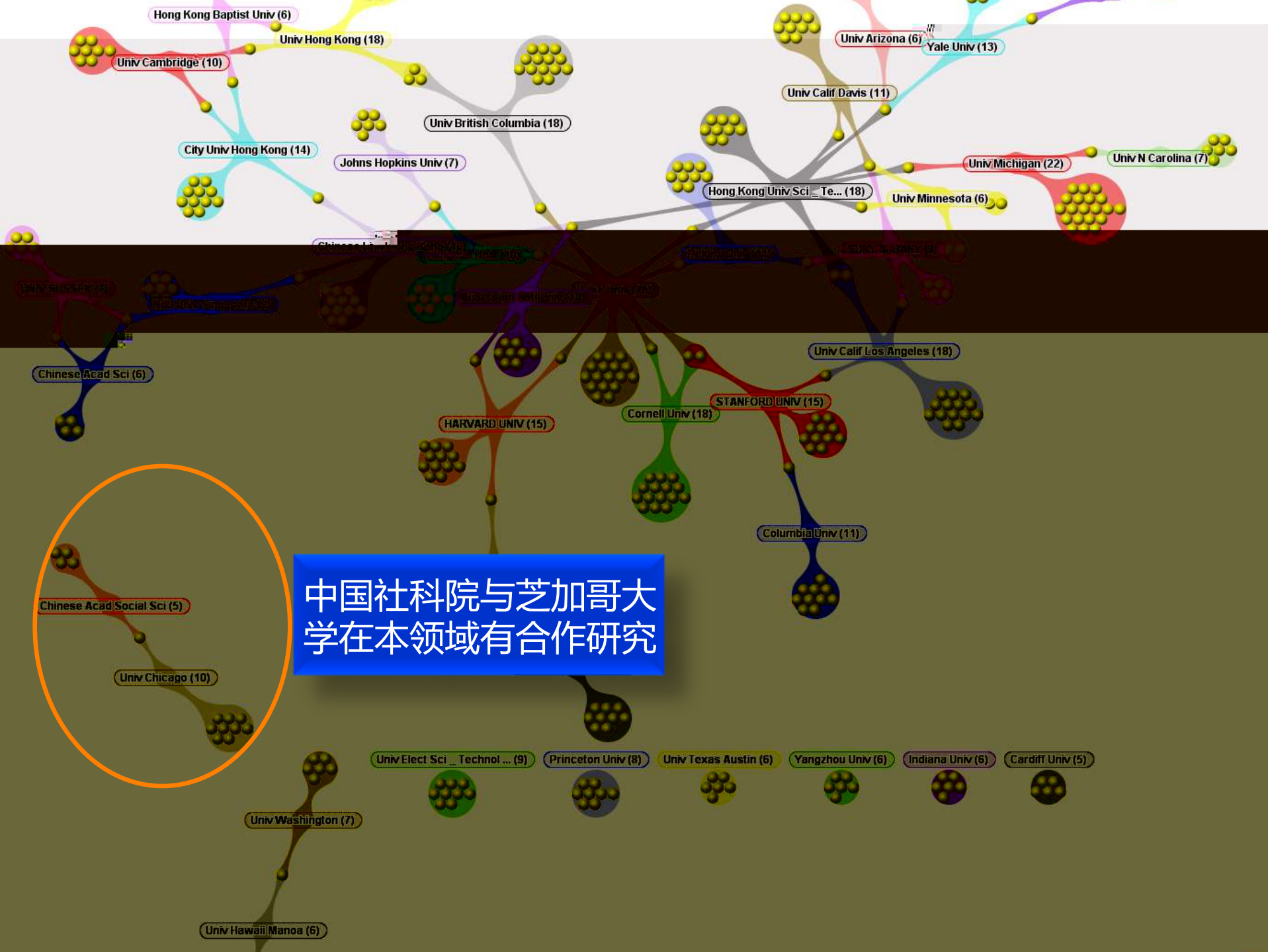


本领域的高影响力作者

	# Records	# Instances	Cited Authors
1	67	238	Nee, V
2	63	177	Walder, A G
3	43	73	Szelenyi, I
4	42	44	Walder Andrew G.
5	38	46	Ronatas, A
6	37	60	Lin, N
7	33	42	Bian, Y J
8	31	54	Oi, J C
9	30	49	Stark, D
10	30	62	Zhou, X G
11	26	28	Parish William L.
12	26	27	Xie, Y
13	24	33	Burawoy, M

Victor Nee和 Andrew G. Walder 是本领域的高影响力作者





中国社科院与芝加哥大学在本领域有合作研究



研究热点

本领域有哪些研究热点？

研究热点随时间和空间的变迁？



Reset	Combined Keywords + Phrases (Cleaned)	1	2	3	4	5	6	7	8	9	10	11	12	13	
	# Records	3	36	66	63	49	42	52	56	36	30	40	26	22	
Publication Year	# Records	Show Values >= 0.00 and <= 24.83													
		TFIDF (standard)													
		2015	2014	2013	2012	2011	2010	2009	2008	2007	2006	2005	2004	2003	
1	143	STATE SOCIALISM	0.00	4.98	8.77	6.68	3.64	1.12	0.00	0.00	0.00	0.00	0.00	0.00	
2	141	transition	0.00	6.40	7.29	10.50	4.85	5.12	0.00	0.00	0.00	0.00	0.00	0.00	
3	134	reform	0.00	4.98	10.12	8.45	8.83	6.12	0.00	0.00	0.00	0.00	0.00	0.00	
4	123	Urban China	0.95	5.14	7.30	9.86	4.35	3.12	0.00	0.00	0.00	0.00	0.00	0.00	
5	111	development	0.00	2.51	20.88	12.96	8.97	5.12	0.00	0.00	0.00	0.00	0.00	0.00	
6	106	MARKET TRANSITION	0.48	6.86	4.03	9.59	4.85	3.12	0.00	0.00	0.00	0.00	0.00	0.00	
7	99	stratification	0.00	5.73	3.04	8.34	4.85	2.12	0.00	0.00	0.00	0.00	0.00	0.00	
8	94	ECONOMY	0.00	4.29	5.60	7.15	6.38	5.55	5.57	7.22	2.51	2.95	6.00	3.25	2.60
9	94	REDISTRIBUTION	0.00	4.67	3.04	4.79	4.17	1.62	1.72	6.32	4.29	2.35	4.52	3.25	2.60
10	92	STATE	0.00	7.19	3.64	8.96	8.10	1.62	6.10	6.30	4.98	3.00	8.00	5.70	2.08
11	85	Chinese socialism	0.48	2.51	3.64	3.00	1.69	1.62	2.83	4.58	4.98	1.48	0.00	0.00	1.34
12	82	Study	0.00	3.82	11.00	10.39	7.30	6.47	5.09	5.25	3.82	4.00	5.00	1.41	2.60
13	81	MARKETS	0.00	3.82	6.09	4.49	6.76	1.62	3.72	1.75	4.32	4.00	4.00	6.37	2.08
14	71	Chinese Characteristics	0.00	8.53	24.83	15.68	10.94	2.64	1.72	4.34	2.51	0.00	0.00	0.00	0.00
15	71	INEQUALITY	0.00	3.24	6.07	4.79	6.94	0.00	2.83	6.30	4.32	2.35	11.35	0.00	2.08
16	71	politics	0.00	2.51	8.05	3.97	3.64	2.64	6.68	3.81	2.51	4.38	6.75	3.25	4.33
17	67	Capitalism	0.00	4.98	15.83	9.19	7.62	10.58	4.46	3.81	0.00	2.35	4.00	1.41	2.60
18	66	Transformation	0.00	0.00	6.72	7.15	6.53	3.44	4.46	7.15	6.40	0.00	4.50	5.01	1.34
19	60	process	0.00	6.00	6.72	3.97	5.44	5.11	7.43	4.58	0.00	4.00	7.22	4.88	0.00
20	53	MARKET SOCIALISM	0.00	5.02	3.04	3.00	7.28	1.62	7.62	8.23	8.59	4.70	0.00	0.00	2.68
21	52	theory	0.00	4.77	10.08	7.18	10.94	0.00	4.24	11.58	2.51	0.00	6.32	0.00	1.34

转型、改革、发展、中国特色社会主义、资本主义是近年来较为热门

中国文献揭示的研究热点

Reset	Combined Keywords + Phrases (Cleaned)	1	2	3	4	5	6	7	8	9	10	11	12	13	
	# Records	1	14	43	42	22	12	5	18	12	16	6	1	8	
Publication Year	# Records	Show Values >= 0.00 and <= 17.33													
		TFIDF (standard)													
		2015	2014	2013	2012	2011	010	009	008	007	006	005	004	003	
1	55	development	0.00	1.15	15.09	8.70	4.51								
2	42	Chinese Characteristics	0.00	4.68	17.33	11.71	2.96								
3	34	reform	0.00	2.18	5.52	6.23	2.60								
4	34	Study	0.00	2.01	5.13	4.62	2.96								
5	34	Urban China	0.00	1.69	1.63	7.39	2.08								
6	33	STATE SOCIALISM	0.00	2.18	3.47	3.44	0.00	0.00	2.33	1.81	2.18	0.95	0.00	2.98	
7	29	stratification	0.00	3.38	2.66	5.45	2.68	0.00	0.00	2.33	1.08	1.81	0.78	0.00	1.20

TFIDF	Keyword	2015	2014	2013	2012	2011	010	009	008	007	006	005	004	003
2.71	government	0.00	2.54	3.47										
0.00	problems	0.00	0.00	7.48										
0.00	the economy	0.00	2.01	4.90										
1.20	transition	0.00	2.01	1.63										
0.00	country	0.00	2.72	3.47										
0.00	theory	0.00	0.00	7.10										
0.90	socialism	0.00	2.18	0.00	5.11	4.33	0.00	0.00	1.26	1.56	1.20	1.56	0.00	0.00
0.00	process	0.00	1.15	3.47	5.45	2.08	0.00	0.00	1.26	1.08	1.81	0.00	0.00	0.00
0.00	society	0.00	2.68	7.10	8.13	4.44	0.00	0.00	0.00	1.08	0.00	0.00	0.00	0.00
0.90	analysis	0.00	2.68	2.66	2.64	2.08	1.81	0.00	1.26	0.00	2.91	2.39	0.00	0.00
0.00	community	0.00	2.54	6.19	4.08	0.00	1.56	0.00	1.26	0.00	1.20	0.00	0.00	0.00
0.00		0.00	0.00	4.13	3.44	2.96	0.00	0.70	1.26	0.00	1.81	0.78	0.00	0.00
0.90		0.00	2.01	1.63	4.58	0.00	1.08	0.00	1.26	0.00	2.41	2.33	0.00	0.00

中国特色社会主义的比重较高 (42/71)

政府、问题、理论近年来较为热门

关键词词簇的潜在联系分析-主成分地图 (中国)

Factor Map
 Combined Keywords + Ph
 Factors: 7
 % Coverage 91% (208)
 Top links shown

> 0.75	0 (0)
0.50 - 0.75	0 (0)
0.25 - 0.50	0 (0)
< 0.25	8 (35)

Combined Keywo question

- 0.49 question
- 0.41 relationship
- 0.40 modernization
- 0.36 time

Combined time

- 0.36 time
- 0.36 impact

Combined

- 0.42 Effect
- 0.39 impact

分层、收入不均、再分配、市场转型、城市化，国家社会主义

Combined Keywords +

- 0.57 STATE
- 0.56 transition
- 0.50 REDISTRIBUTION
- 0.49 INEQUALITY
- 0.46 MARKETS
- 0.41 STATE SOCIALISM

STATE

Combined Keywords + Ph

- 0.78 stratification
- 0.78 Urban China
- 0.75 INCOME INEQUALITY
- 0.71 MARKET TRANSITION
- 0.52 ECONOMY
- 0.50 MOBILITY
- 0.50 PROPERTY-RIGHTS
- 0.48 STATE SOCIALISM
- 0.44 REDISTRIBUTION
- 0.43 RURAL CHINA

stratification

方法、实践、理论、中国特色社会主义

methods

Combined Keywords + Ph

- 0.56 methods
- 0.52 practice
- 0.50 theory
- 0.41 Chinese Characteristics
- 0.38 basis
- 0.30 College Students
- 0.29 globalization
- 0.25 form
- 0.25 question

methods

Combined Keywords + Ph

- 0.56 methods
- 0.52 practice
- 0.50 theory
- 0.41 Chinese Characteristics
- 0.38 basis
- 0.30 College Students
- 0.29 globalization
- 0.25 form
- 0.25 question

Combined Keywords + Ph

- 0.78 stratification
- 0.78 Urban China
- 0.75 INCOME INEQUALITY
- 0.71 MARKET TRANSITION
- 0.52 ECONOMY
- 0.50 MOBILITY
- 0.50 PROPERTY-RIGHTS
- 0.48 STATE SOCIALISM
- 0.44 REDISTRIBUTION
- 0.43 RURAL CHINA

STATE

stratification

Combined Key

- 0.40 innovation
- 0.38 cities
- 0.37 Study
- 0.32 development
- 0.29 country

发展, 创新

Combined Keyword

- 0.55 market economy
- 0.48 function
- 0.48 process
- 0.42 reform
- 0.34 government
- 0.32 MARKETS
- 0.32 globalization
- 0.31 form
- 0.28 MANAGEMENT
- 0.27 cities

Comb

- 0.51 PERS
- 0.48 politics
- 0.43 Transf
- 0.35 POWE

市场经济, 功能, 过程, 改革

Combined Key

- 0.51 analysis
- 0.50 problems
- 0.45 society
- 0.36 country

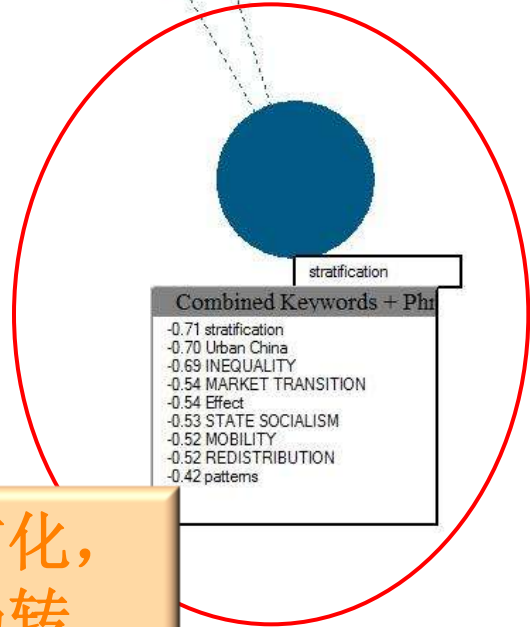
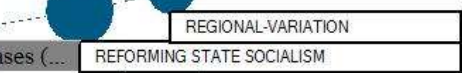
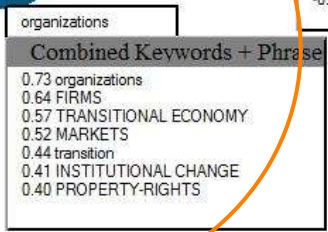
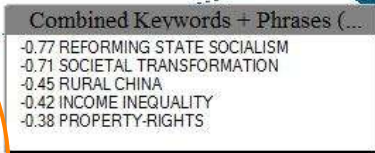
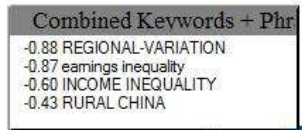
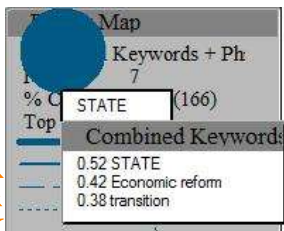
analysis

innovation

market economy



关键



组织，公司，体制变化，转型

分层，城市化，不均，市场转型，再分配



研究发展趋势（热点的变迁）

A	B	C	D	E	F
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[Home](#)

Technology Trends in Last 3 Years

Last 3 Years is: 2015 - 2013

Terms First Used in Last 3 Years

Terms No Longer Published in Last 3 Years

globalization [37]
SOCIETAL TRANSFORMATION [21]

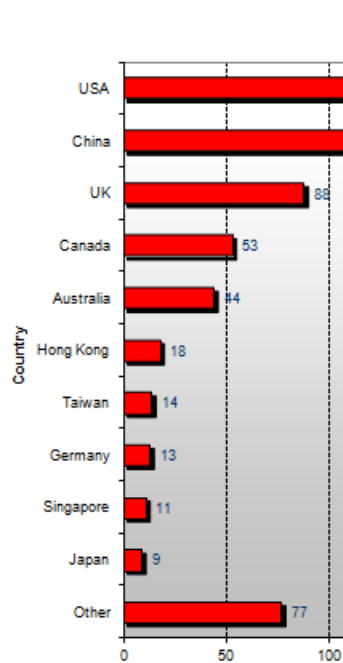
Unexpectedly high/low terms

Chinese Characteristics [1]
PERSPECTIVE [1]
rise [1]
basis [0.999]
theory [0.995]
development [0.994]
time [0.988]
education [0.985]
DEMOCRACY [0.985]
society [0.982]
country [0.98]
globalization [-0.976]
history [0.973]
concept [0.968]
SYSTEM [0.961]
production [0.955]
future [0.949]
government [0.935]
Capitalism [0.934]
understanding [0.933]
process [0.928]
Chinese socialism [-0.928]
United States [0.923]

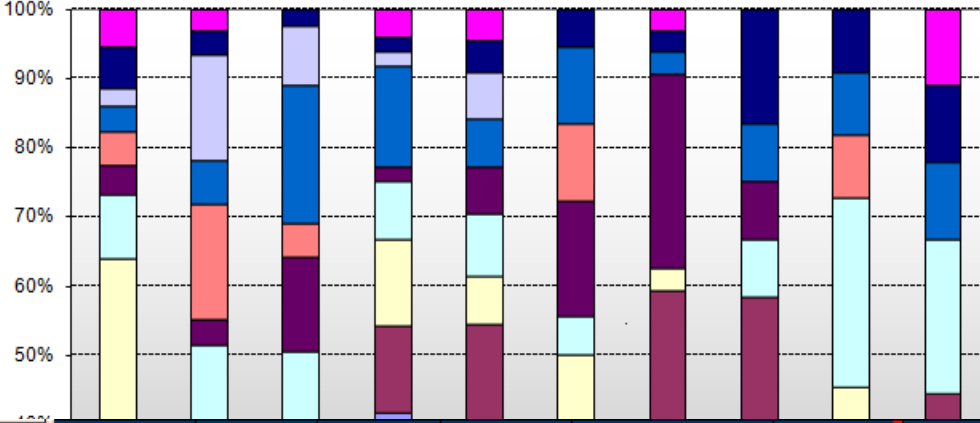
一键生成报告

一键生成报告 (Technology Report)

Percentage of Technologies by Country



Number of Records per Country

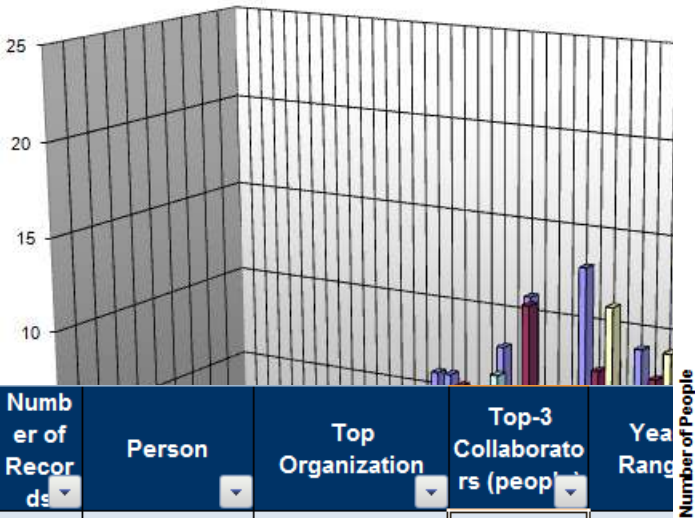


- Asian Studies
- History
- Management
- Planning & Development
- Social Sciences, Interdisciplinary
- International Relations
- Economics
- Sociology

Number of Records	Organization names	Top Countries	Top People	Year Range	Percentage of Records in Last	Top Technology Terms	Unique Technology Terms	Recent Technology Terms	Unexpected Technology Terms
25	Duke Univ	USA [25]; China [3]	Zhou, XG [8]; Dirlik, Arif [5]; LIN, N [4]	1981 - 2015	4% of 25	Sociology [10]; Political Science [5]; Area Studies [4]; Management [4]	None	None	Sociology [+0.997]; Economics [-0.959]; Management [+0.957]
22	Univ Michigan	USA [22]	Xie, Y [4]; WHYTE, MK [3]; Wu, XG [2]	1980 - 2014	14% of 22	Area Studies [3]; Sociology [8]; Asian Studies [3]	None	None	Sociology [+0.987]; Area Studies [+0.955]; Asian Studies [+0.942]
18	Cornell Univ	USA [18];Sweden [2]	Nee, Victor [8]; Zhou, XG [4]; Opper, Sonja [2]; Cao, Y [2]; Tuma, NB [2]; Moen, P [2]	1972 - 2010	0% of 18	Sociology [12]; Business [3]; Area Studies [2]; Management [2]; Economics [2]	None	No recent records	Sociology [+1]; Business [+0.991]; Reproductive Biology [+0.983]
18	Hong Kong Univ Sci & Tech	USA [16];USA [9];Hong Kong [3]	Bian, YJ [6]; Lin, YM [3]; Wu, Xiaogang [3]	1997 - 2012	0% of 18	Sociology [10]; Area Studies [4]; Economics [2]; Political Science [2]	None	No recent records	Sociology [+1]
18	Univ British Columbia	USA [18];China [4];UK [2];Australia [2]	McGee, Terry G [4]; Dirlik, Arif [3]; Marton, Andrew M [2]; Lin, George C S [2]; Wang, Mark Y L [2]; Hanser, Amy [2]; Lin, GCS [2]; Wu, Jiaping [2]	1981 - 2014	6% of 18	Area Studies [9]; Planning & Development [3]; Geography [3]	None	None	Area Studies [+0.989]; Geography [+0.973]; Political Science [-0.973]
18	Univ Calif Los Angeles	USA [18];China [2]	Baum, R [4]; Shevchenko, A [2]; Fan, CC [2]; Szelengi, Ivan [2]	1983 - 2011	0% of 18	Geography [6]; Area Studies [5]; Sociology [4]; Economics [4]	None	No recent records	Geography [+1]; Planning & Development [+0.911]

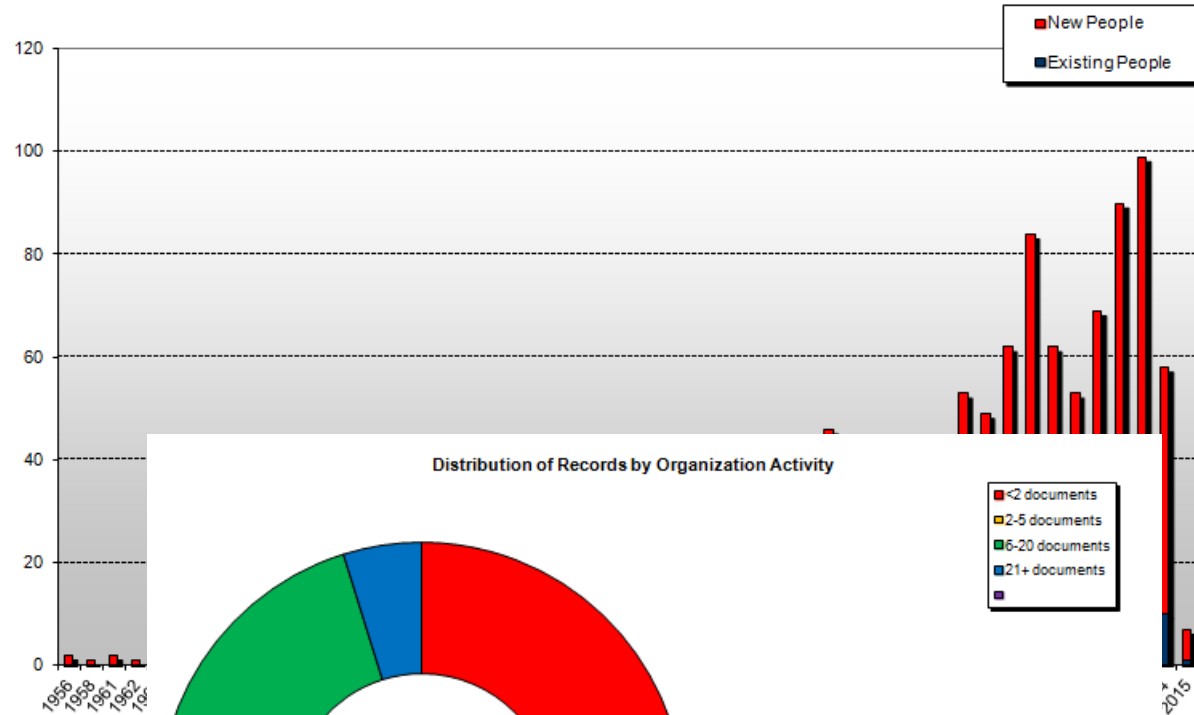
一键生成报告 (Technology Report)

Number of Records by Technology and Year

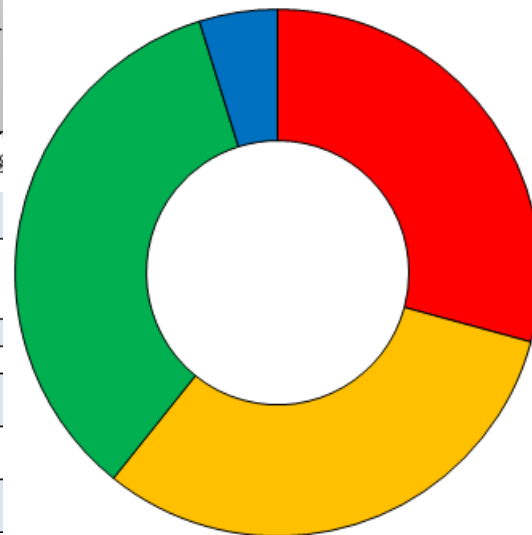


Number of Records	Person	Top Organization	Top-3 Collaborators (people)	Year Range	Number of People
17	Walder, Andrew G	HARVARD UNIV [8]	None	1986 - 2016	17
12	Dirlik, Arif	Duke Univ [5]	None	1981 - 2016	12
9	Bian, YJ	Kong Univ Sci & Tech	Logan, JR [3]; Shu, XL [2]	1996 - 2016	9
9	Zhou, XG	Duke Univ [8]	Zhao, W [2]; Moern, P [2]; Tuma, NB [2]	1993 - 2016	9
8	Nee, Victor	Cornell Univ [8]	Opper, Sonja [2]	1991 - 2010	0% of 8
7	Szelenyi, Ivan	Yale Univ [5]	None	1995 - 2013	14% of 7
6	Gerber, TP	Univ Arizona [3]	Hout, M [2]	1998 - 2004	0% of 6
6	Guthrie, Doug	NYU [4]	None	1997 - 2009	0% of 6
6	Williams, H	Columbia Univ [2]; Yale Univ [2]	None	1993 - 2001	0% of 6
5	[Anonymous]	None	None	1981 - 2009	0% of 5
5	Hurst, William	Univ Texas Austin [4]	None	2008 - 2009	0% of 5

Number of People Active by Year



Distribution of Records by Organization Activity



This pie chart shows how the records in the dataset are shared amongst organizations, and their relative strength within the area.

The organizations are categorized according to the number of records they hold within the dataset.

Organizations in the highest category hold a high number of records, those in the lowest hold only one record.

The size of each segment shows the number of records, not the number of organizations.

The larger the high-value segments, the more the dataset is dominated by fewer large-players in the area (potentially indicating a mature technology).

If dominated by lower-value segments, then this shows a large number of smaller players in the area (potentially indicating a new dynamic technology area).



Thomson Reuters



THOMSON REUTERS

大纲

64-位版本发布 处理量和处理速度提升的保证

用户界面

重新设计的，更时尚的表单页面和一键式报告

全新的可视化图表

Treemaps, Sunburst, Circle Pack

Browse Classifications

Patent Vital Signs

不仅仅是简单“有效”和“无效”分析

本地化语言界面

中文界面和用户手册

新版本TDA6.0 安装方法

大数据时代的 TDA 64位版

版本介绍

从现在开始，TDA提供两个版本供您选择 32 bit 和 64 bit版

如果您想选择64位版，您的电脑必须选择64位的操作系统 (operating system)

同时，为保证Aduna图的正常运行，您需要安装64位的Java，因此，您需要更新为64位的JAVA

64-BIT TDA: 大数据处理能力增强

TDA数据处理能力限制

对于32-bit, 微软Windows系统限制任何应用超过内存的容量2G
如果结果 >2GB, Windows将停止该程序(所有程序,不仅仅是
TDA)

60.000条数据的文件很可能超过 2GB (取决于数据的字段输出数量
和大小)

64位TDA的优化包括

更好的分析 Derwent Patent Citation Index (DPCI)数据(DPCI数据的
输出不可避免的会增加数据的大小)

整体专利组合分析

国别分析

技术领域分析

用户界面提升

Summary Sheet

TDA Reports

旧的数据汇总页面

Field	Number of Items	% Coverage	Data Type	Meta Tags
Number of Records: <input type="text" value="2,849"/> Source Database: <input type="text" value="Thomson Innovation - Patents (TDA format)"/>				
Source Date: <input type="text" value="Apr 25 2014 19:10"/> Source File: <input type="text" value="C:\Users\lu0032371\Downloads\dataAnlz2014-04-25-18-52-17.txt"/>				
::nils class	2,849	13%	Record Cla	
::type	2,849	0%	Record Cla	
Abstract	4,759	68%		
Abstract (Best Available)	1,583	55%		
Abstract (Derwent)	1,583	55%		
Abstract : test	2	32%		
Abstract : test (2)	78	32%		
Abstract : test 2	17	21%		
Abstract : test 2 (2)	18	25%		
Abstract ADVANTAGE	1,291	45%		
Abstract NOVELTY	1,583	55%		
Abstract USE	1,293	46%		
Application Countries	81	100%		Country
Application Countries (FIPS codes)	80	100%		Country
Application Countries:Bubble Countries	5	61%		Country
Application Years	31	100%	Year	
Basic Patent	1,599	56%		Parent
Number	1,599	56%		Child
Kind Code	14	56%		Child
Date	1,051	56%		Date; Child
Basic Patent Country	28	56%		Country
Basic Patent Year	31	56%	Year	
Claims, Independent (Count)	61	100%	Number	
CPC Codes	1,808	81%		
CPC Codes (Cleaned)	1,808	81%		
Derwent Accession Number	1,600	56%		
Derwent Classifications	113	56%		
Derwent Classifications (Cleaned)	113	56%		
Descriptors (Title Terms)	2,575	56%		

新的基于HTML的数据汇总页面

SUMMARY SHEET					Number of Records: 948		Columns	
Field	Number of Items	% Coverage	Data Type	Meta Tags				
(filters)	Try >=500							
Abstract	3,119	100%						
Abstract (Best Available)	944	99%						
Abstract (Derwent)	944	99%						
Abstract ADVANTAGE	832	88%						
Abstract NOVELTY	944	99%						
Abstract USE	848	93%						
Application Countries	36	100%			Country			
Application Years	25	100%	Year					
Basic Patent	948	100%			Parent			
Date	588	100%			Date, Ch			
Kind Code	5	100%			Child			
Number	948	100%			Child			
Basic Patent Country	10	100%			Country			
Basic Patent Year	20	100%	Year					
Claims, Independent (Count)	28	100%	Number					
CPC Codes	988	62%						
CPC Codes (Cleaned)	988	62%						
Derwent Accession Number	948	100%						
Derwent Classifications	101	100%						
Derwent Classifications (Cleaned)	101	100%						
Descriptors (Title Terms)	1,645	100%						
DPCI Cited Non-Patent Count	42	100%	Number					
DPCI Cited Non-Patent Details	2,850	4%			Parent			
Citation	2,624	4%			Child			

新的彩色表单

条形图展示数据覆盖率

每一列列表都支持排序和筛选

上/下位字段层级排列，可独立展开或归并

更时尚的外观和样式

之前的TDA技术报告

Thomson Data Analyzer Technology Report

Potential Experts

This report has assumed that the contents of the dataset has all the records for a given technology.
This report contains the following worksheets:

SHEET NAME

Home (This Sheet)	
Summary Information	Total Number of Records: 9,862
Year Chart	Years Range From: 1994 - 2014
Organization Chart	Peak Year: 2012 [2360 Records]
Country Chart	Date of report creation: 29-Oct-14
Technology Chart	Technology: Manual Codes
Organization Profile	
Technology Profile	
People Profile	
Country Profile	
Time Profile	
Expert People Table	
Country v Year Chart	
Technology v Year Chart	
Technology v Country Chart	
Recent Activity tables (Organization)	
Recent Activity tables (Technology)	
Organization Holdings Chart	
People Trend	
Technology Trend	

Sheets containing the data are included with this file, but hidden.

Thomson Data Analyzer was developed using VantagePoint technology, developed by Search Technology, Inc.

Ready | Introduction | Summary Info | Year Chart | Organization Chart | Country Chart | Technology Chart | Organization | 100%

新报告风格

The screenshot displays a Microsoft Excel spreadsheet titled "TDA Company Comparison1.xlsx". The spreadsheet contains a report template for Thomson Reuters Data Analyzer. The report is structured as follows:

- Navigation Menu (Left):** A vertical list of buttons for navigating through the report sections:
 - Summary Information
 - Company Chart
 - Company v Technology Chart
 - Company v Country Chart
 - Company v Year v Country Chart
 - Company Profile
 - Company Collaborations (Matrix)
 - Company Similarity (Matrix)
 - Mobile People (Table)
 - Common Technologies (Table)
 - Unique Technology Terms (Table)
 - Technology Terms Shared By 2
- Main Content Area:**
 - Thomson Reuters logo and name.
 - Section title: THOMSON DATA ANALYZER Company Comparison.
 - Table of statistics:

Company Names:	LIO
	COI
	PRO
	UNI
	KAC
Number of Records:	948
Range of Years:	199
Date of report creation:	12/1

At the bottom of the Excel window, the report navigation tabs are visible: Introduction, Summary Info, Company Chart, Company v Technology Chart, Company v Country Chart, and Company v...

重塑的用户界面
(UI)

更时尚的外观

多色彩按钮

与按钮一致的多彩表
单页

全新 可视化图表

Aimed at hierarchical info

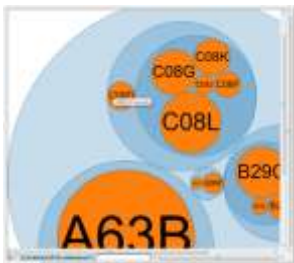
新TDA图表



Treemap树形图



Sunburst



Circle Pack



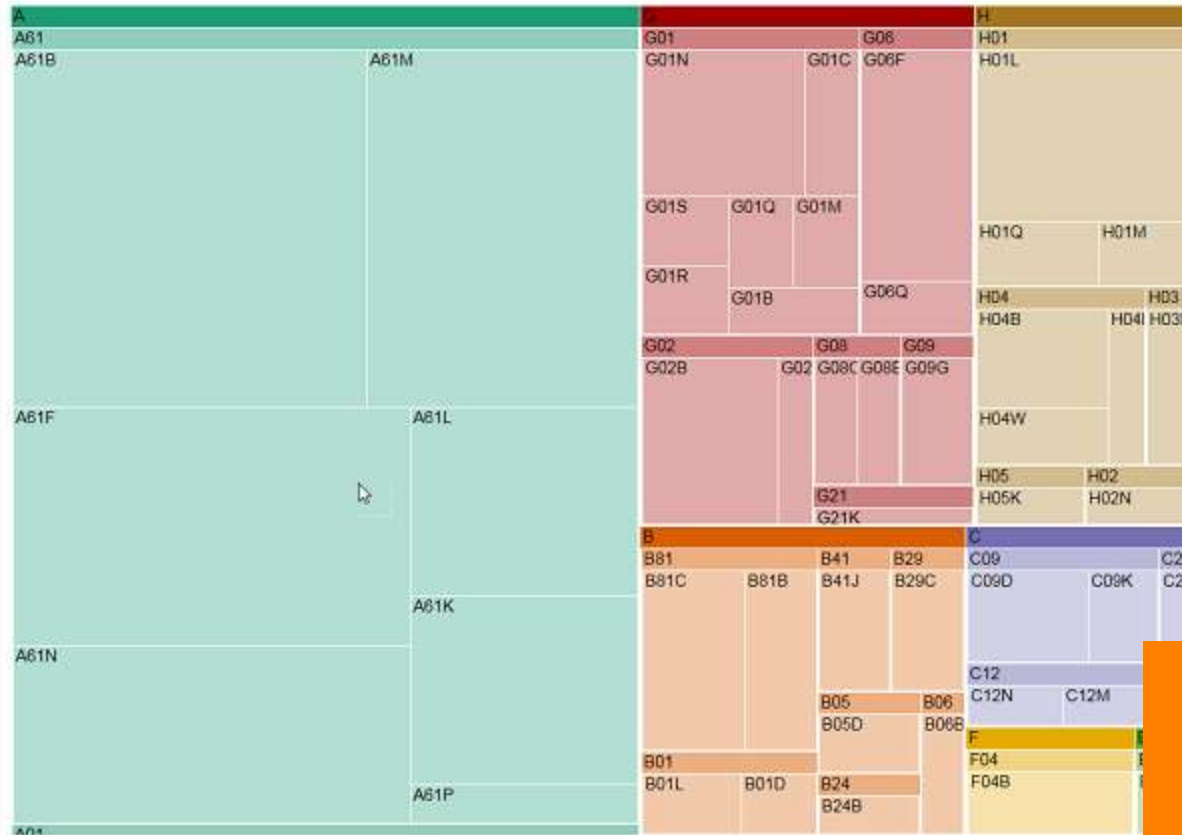
Browse Classification
分类号浏览

- 全新的工具帮助理解多层次数据
 - ✓ 如. IPCs, CPCs
- 适用于快捷键，见和按钮



TREEMAPS (树形图)

Treemap of International Classifications 8 (subclass) (Cleaned):3+

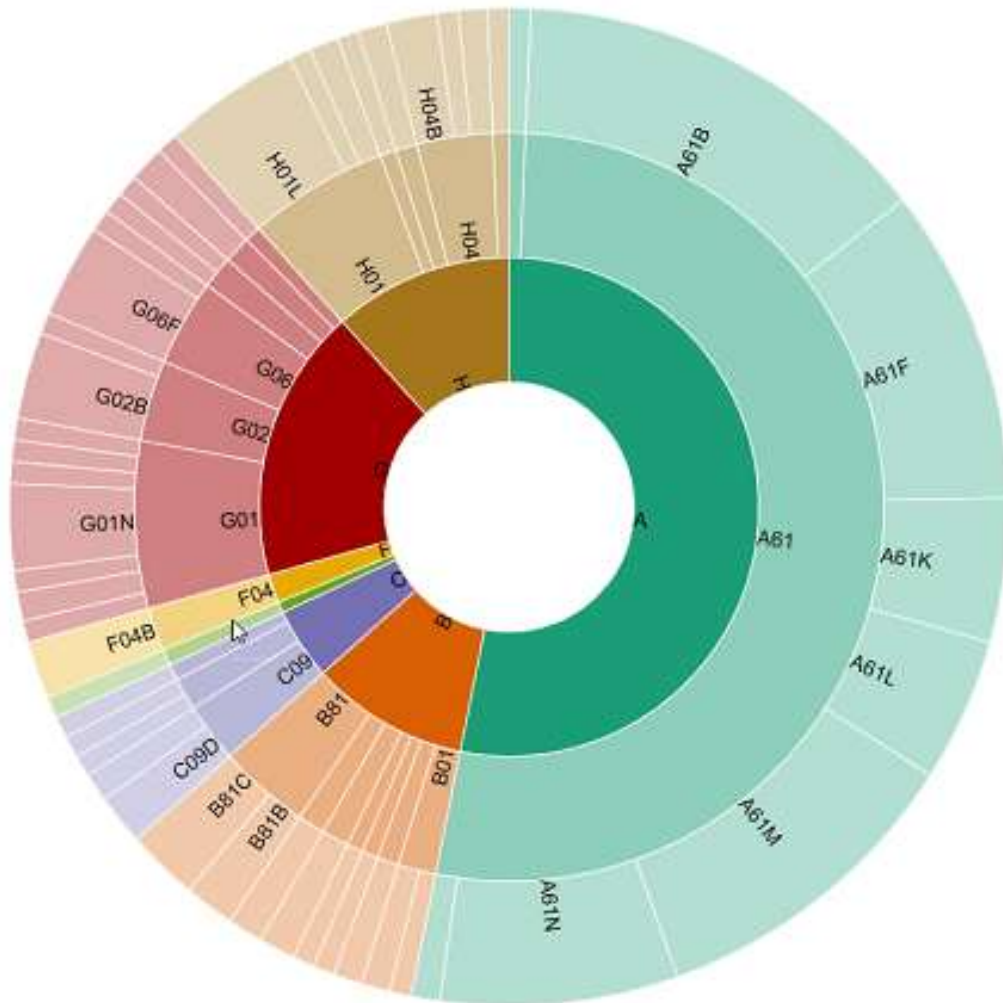


International Classifications 8 (subclass) (Cleaned)	
12	001N Measuring, Testing -> Investigating Or Analysing Materials By Deter
3	B01L Physical Or Chemical Processes Or Apparatus In General -> Chemi
3	B81B Micro-Structural Technology -> Micro-Structural Devices Or Systems
3	C12M Biochemistry, Beer, Spirits, Wine, Vinegar, Microbiology, Enzymology
2	A61B Medical Or Veterinary Science, Hygiene -> Diagnosis, Surgery, Ide
2	A61L Medical Or Veterinary Science, Hygiene -> Methods Or Apparatus
2	B01J Physical Or Chemical Processes Or Apparatus In General -> Chemi
2	C40E Combinatorial Technology -> Combinatorial Chemistry, Libraries, E.G.
2	F04B Positive-Displacement Machines For Liquids, Pumps For Liquids Or B
2	G06F Computing, Calculating, Counting -> Electric Digital Data Processing
2	H01L Basic Electric Elements -> Semiconductor Devices, Electric Solid Stat
1	B01D Physical Or Chemical Processes Or Apparatus In General -> Separa
1	B81C Micro-Structural Technology -> Processes Or Apparatus Specialy
1	B82B Nano-Technology -> Nano-Structures, Manufacture Or Treatment Th
1	C07K Organic Chemistry -> Peptides
1	C12N Biochemistry, Beer, Spirits, Wine, Vinegar, Microbiology, Enzymology
1	C12Q Biochemistry, Beer, Spirits, Wine, Vinegar, Microbiology, Enzymology
1	C25D Electrolytic Or Electrophoretic Processes; Apparatus Therefor -> Pr
1	F21K Lighting -> Light Sources Not Otherwise Provided For
1	F21V Lighting -> Functional Features Or Details Of Lighting Devices Or Sys
1	G01B Measuring, Testing -> Measuring Length, Thickness Or Similar Linea
1	G01H Measuring, Testing -> Measurement Of Mechanical Vibrations Or Ul
1	G01L Measuring, Testing -> Measuring Force, Stress, Torque, Work, Mech
1	G01R Measuring, Testing -> Measuring Electric Variables; Measuring Mac
1	G02B Optics -> Optical Elements, Systems, Or Apparatus
1	G03F Photocopying; Characterizing; Analogous Techniques Using Waves

更易于解释复杂的多层级数据信息 (eg. IPCs and CPCs)

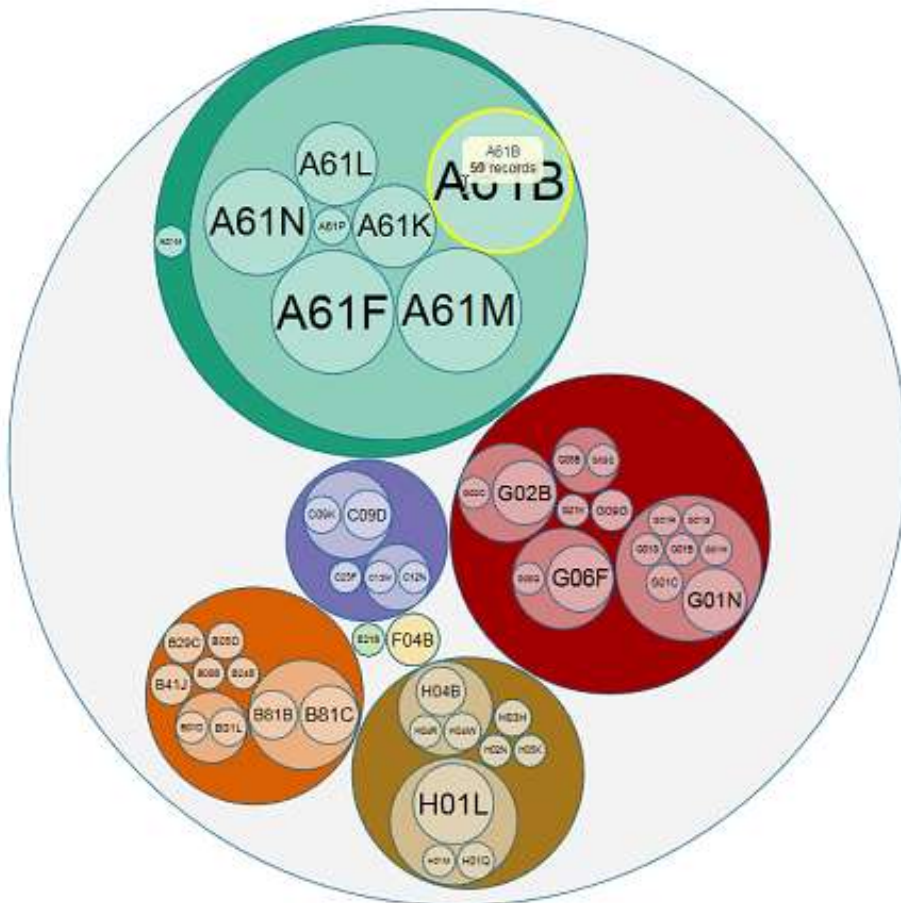
SUNBURST (多层轮状图)

Sunburst of International Classifications 8 (subclass) (Cleaned):3+

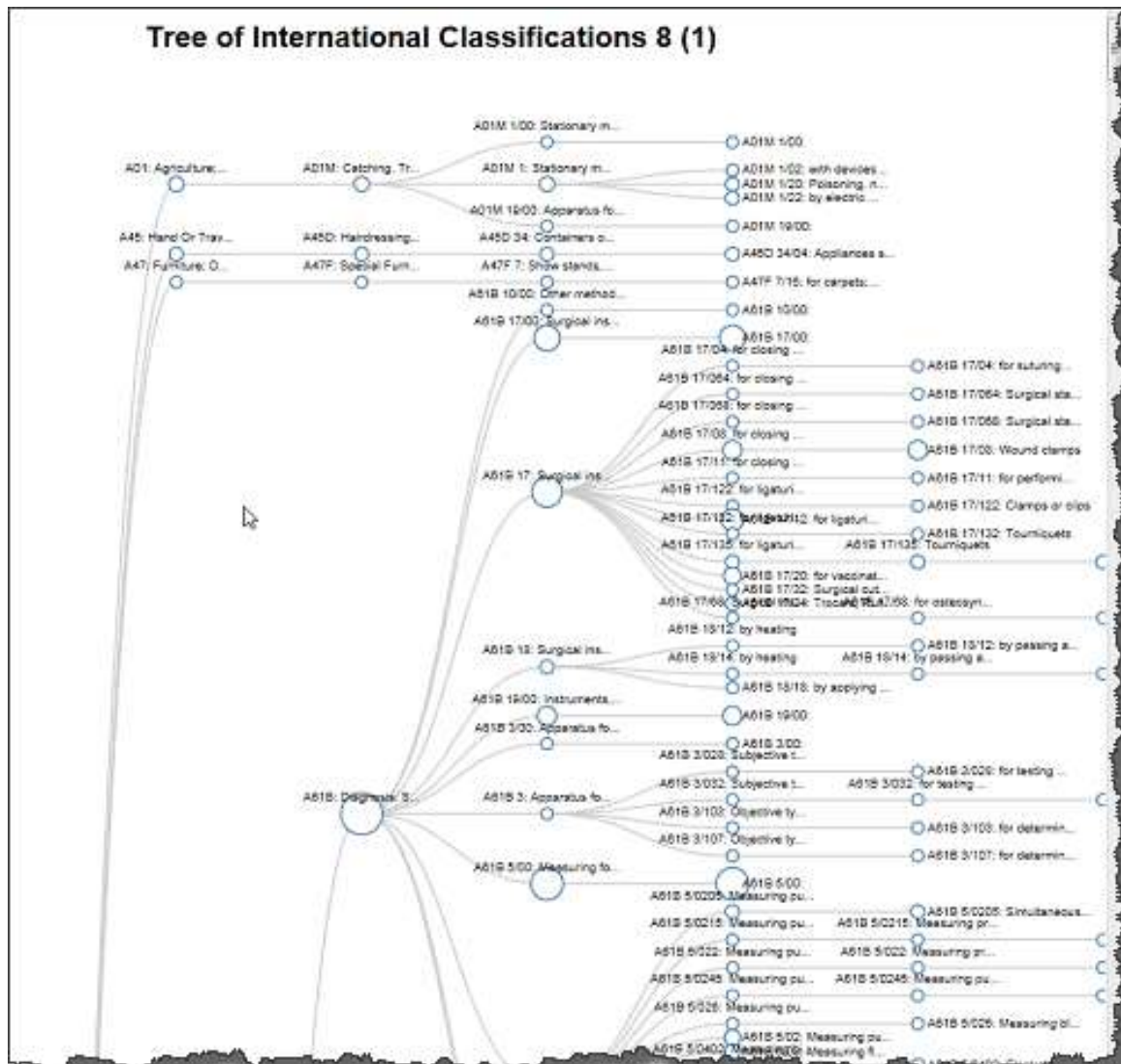


CIRCLE PACK

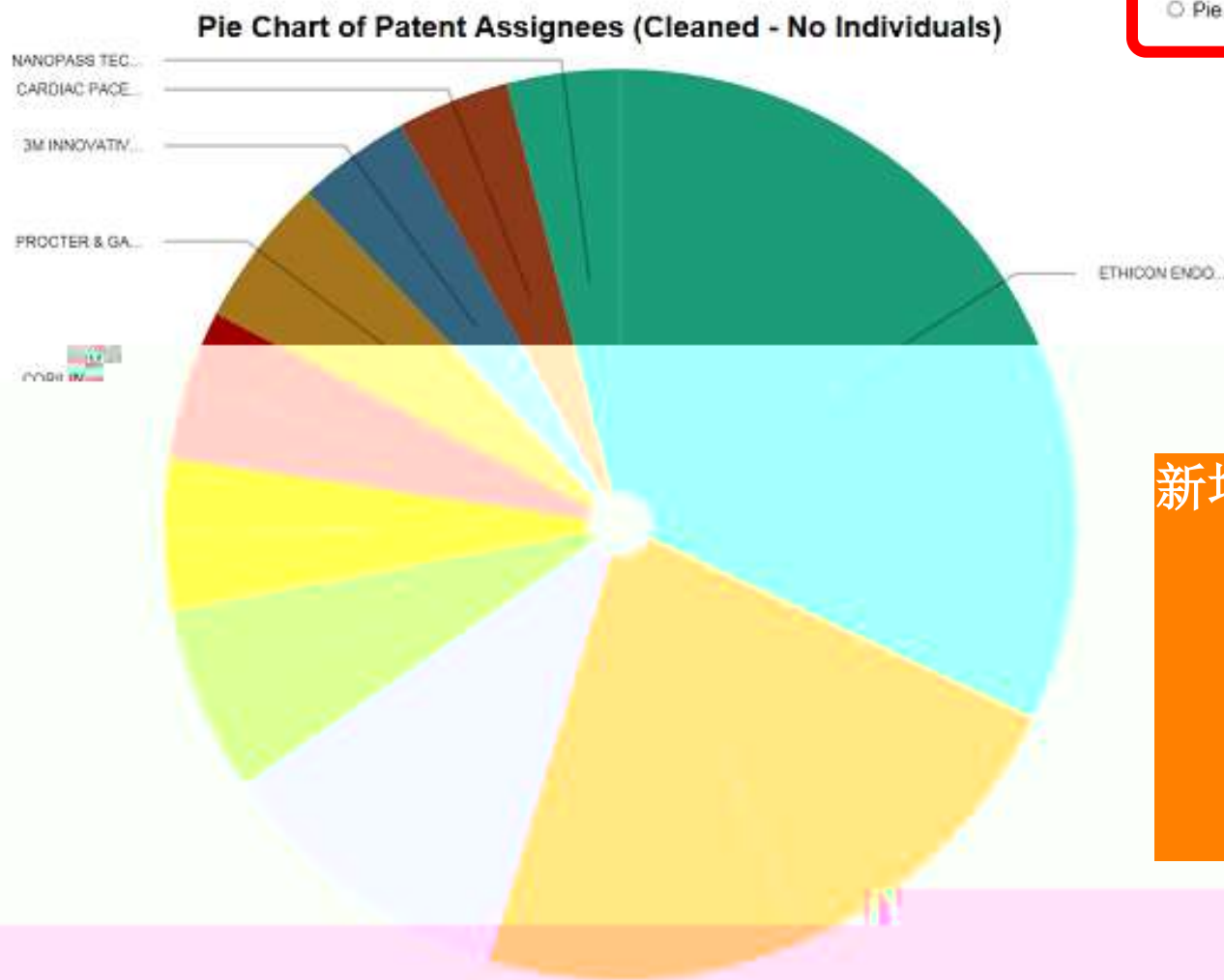
Packed Circle diagram of International Classifications 8 (SubClass):3+



BROWSE CLASSIFICATION



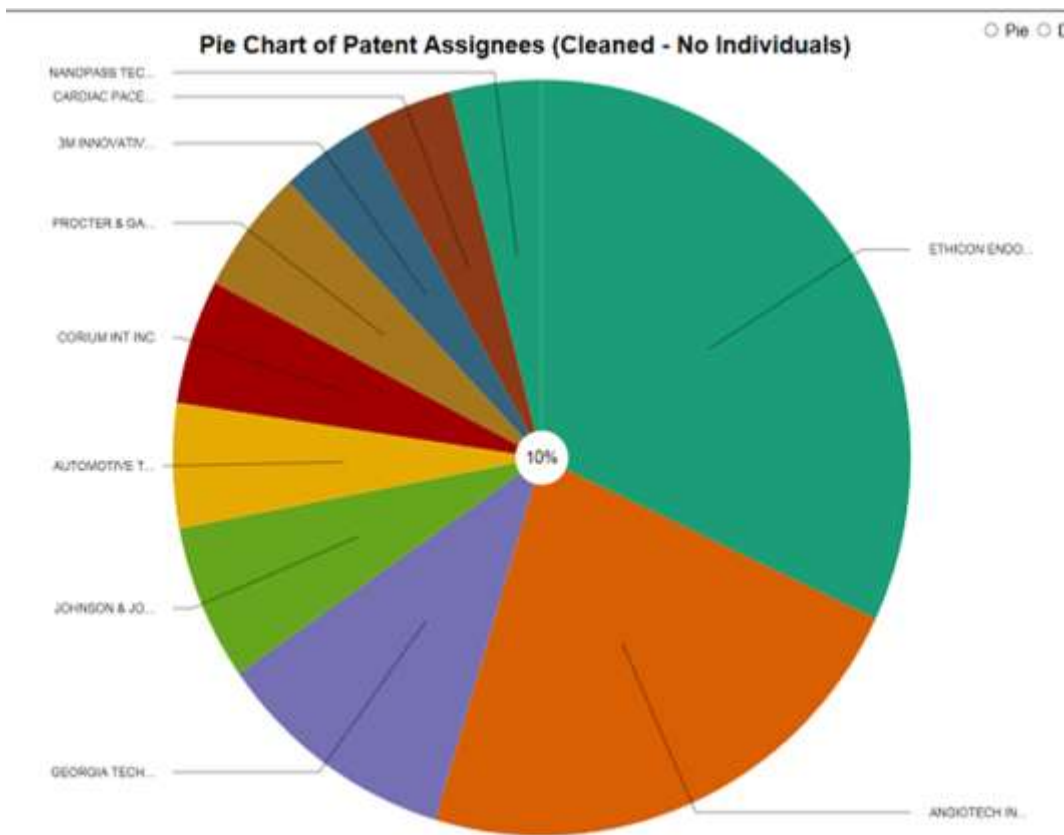
更新的CIRCLE CHART（饼状图）



新增多个选项:

- Pie（饼图）
- Donut（环图）
- Smart pie（智能饼图）

SMART PIE (智能饼图)

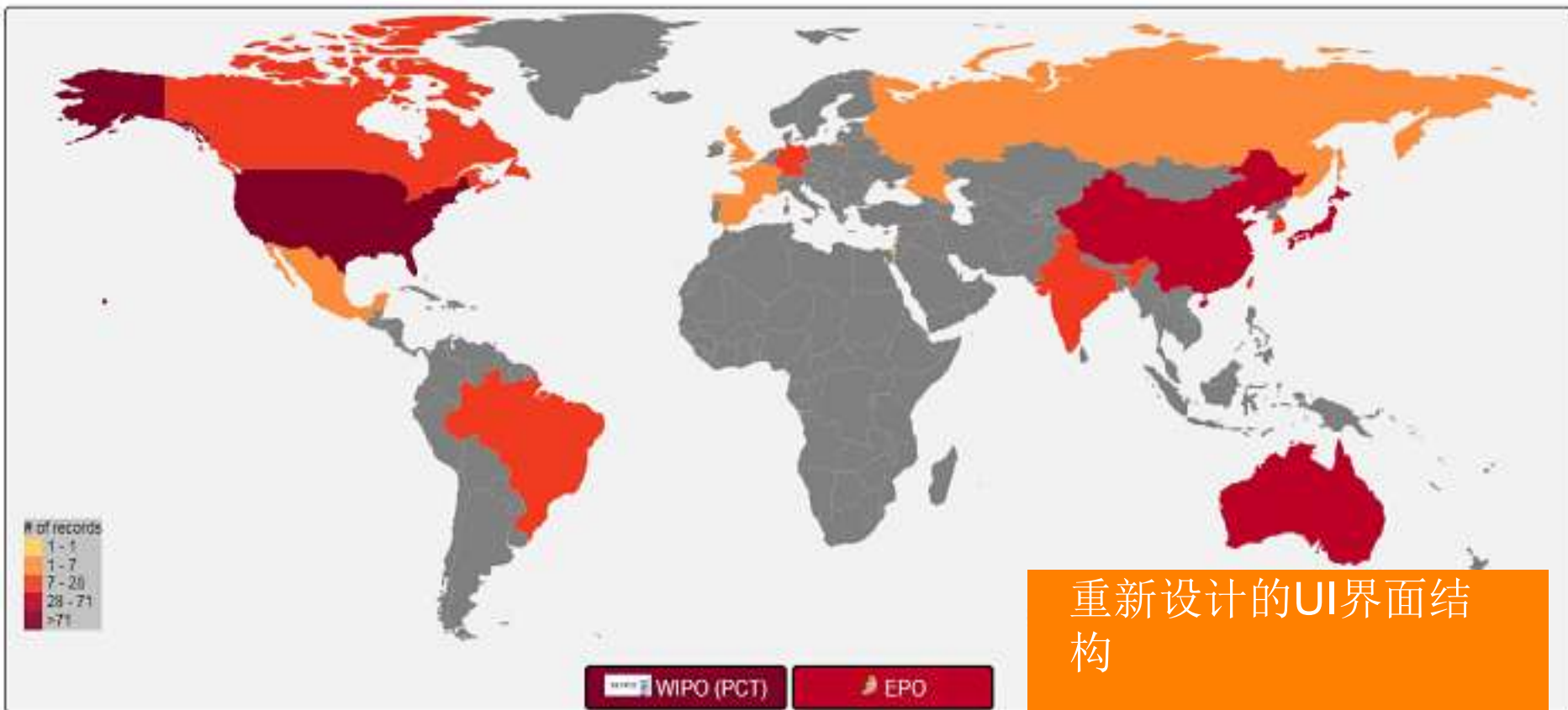


中间的 %表明不同饼间彼此重叠的百分比。

本案例中，专利权人中有10%的数据是彼此重叠的

更新的世界地图

Map of Family Member Countries



重新设计的UI界面结构

时尚的外观

PATENT VITAL SIGNS



How healthy are your patents?

PATENT VITAL SIGNS THE BASICS

专利的法律状态数据比较复杂，之前版本中简单的 **Dead or Alive** 不足以支撑客户的分析需求

Vital Signs用颜色代码去标记专利的健康程度

如何做到的？

- 分割并筛选出kind code

- 查找 INPADOC 法律状态信息

 - 正面(+)或负面 (-)?

 - 法律事件发生的时间点？（授权时间点，申请日时间点）

- 准确计算剩余生命周期

 - 授权: 优先权年 + 20

 - 申请: 公开年 + 10

BEST PRACTICE DATA EXPORT



Patent Vital Signs处理原文数据(一次文献 FLD)

评估单篇专利的健康状况

最佳方式:

检索一次文献（专利原文）

扩展到全部 INPADOC同族成员

不适用于Derwent World Patents Index (DWPI)记录，因为DWPI是一个记录一个专利同族

对于每个记录，也无法给出准确的法律效力的指示

Why? This grabs all docs related to the family, then gets rid of any apps that have a corresponding grant.

如果得到PATENT VITAL SIGNS的结果



从菜单条中选择:



从总览表中选择:

SUMMARY SHEET		Number of Records: 948		Columns
Field	Number of Items	% Coverage	Data Type	Meta Tags
(Items)	Try >=000			
Abstract	3,119	100%		
Abstract (Best Available)	944	99%		
Abstract (Derwent)	944	99%		
Abstract ADVANTAGE	832	88%		
Abstract NOVELTY	944	99%		
Abstract USE	848	89%		
Application Countries	36	100%		Country
Application Years	25	100%	Year	
Basic Patent	948	100%		Parent
Date	588	100%		Date, Child
Kind Code	5	100%		Child
Number	948	100%		Child
Basic Patent Country	10	100%		Country

Patent Vital Signs	Number of Items	% Coverage	Data Type	Meta Tags
Number	3,989	100%		Child
Kind Code	8	100%		Child
Date	1,413	100%		Child, Date
Derwent Accession Number	1,977	99%		Child
Legal Status (most recent +/-)	2	±1%		Child
Legal Status (year of most recent +/-)	16	±1%		Child
Years Remaining (Earliest Priority Year + 20 - 2014)	25	25%	Number	Child
Years Remaining (Publication Year + 10 - 2014)	20	73%	Number	Child

PATENT VITAL SIGNS:颜色含义



Grant - probably active with positive (+) LLS
Grant - probably active no +/- LLS
Grant - probably active with negative (-) LLS
Grant - probably expired (20 years)
App - probably active with positive (+) LLS
App - probably active no +/- LLS
App - probably active with negative (-) LLS
App - probably expired (10 years)

绿色: 极大可能是正向的结果. 可以认为是 及其可能是健康

蓝色: 可能是健康, 因为专利还未到期

橙色/黄色: 需要进一步核实, 既然存在负面的法律状态信息

红色: 极可能到期

Patent Vital Signs 一维表单



可排序

	# Records	# Instances	Publication Number (long)						APPLICATIONS	GRANTS	UTILITIES	Grant - probably active with positive	Grant - probably active no +/- LLS	Grant - probably active with negative	Grant - probably expired (20 years)	App - probably active with positive	App - probably active no +/- LLS	App - probably active with negative	App - probably expired (10 years)
			Number	Kind Code	Date	Derwent Accession Number	Legal Status (most recent +/-)	Legal Status (year of most rec)											
5097	1	1	EP1958627A2	A2	2008-08-20	2008-L47093	-	2014	4										
5098	1	1	EP1958627A3	A3	2010-09-01	2008-L47093	-	2014	6										
5099	1	1	WO2007122146A1	A1	2007-11-01	2008-L50489	+	2008	3										
5100	1	1	EP2010292A1	A1	2009-01-07	2008-L50489	-	2013	5										
5101	1	1	CN101426553A	A	2009-05-06	2008-L50489	-	2012	5										
5102	1	1	IN200600652I3	I3	2008-01-25	2008-L50489			4										
5103	1	1	MX2008013710A	A	2008-11-04	2008-L50489			4										
5104	1	1	BRPI0710369A2	A2	2011-08-09	2008-L50489	-	2014											
5105	1	1	JP05041135B2	B2	2012-10-03	2008-L60337	+	2012	12										
5106	1	1	JP2008156309A	A	2008-07-10	2008-L60337	+	2012	4										
5107	1	1	ZA200904835A	A	2012-09-26	2008-L68069			8										
5108	1	1	US20080166307A	A1	2008-07-10	2008-L68069			4										
5109	1	1	PH12009501376A	A	2008-07-17	2008-L68069			4										
5110	1	1	MX2009007389A	A	2009-09-02	2008-L68069			5										
5111	1	1	WO2008086457A2	A2	2008-07-17	2008-L68069	+	2009	4										
5112	1	1	BRPI0806516A2	A2	2011-09-13	2008-L68069	+	2014											
5113	1	1	IN200904479P1	P1	2010-04-09	2008-L68069			6										
5114	1	1	WO2008086457A3	A3	2008-10-09	2008-L68069	+	2009	4										
5115	1	1	AU2008204867A1	A1	2009-07-30	2008-L68069	-	2013	5										
5116	1	1	AU2008204867B2	B2	2011-07-14	2008-L68069	-	2013	13										
5117	1	1	CA2674609A1	A1	2008-07-17	2008-L68069	-	2013	4										
5118	1	1	EP2117569A2	A2	2009-11-18	2008-L68069	-	2011	5										
5119	1	1	SG154004A1	A1	2009-08-28	2008-L68069			5										
5120	1	1	CN101687000A	A	2010-03-31	2008-L68069	-	2013	6										
5121	1	1	JP2010515749A	A	2010-05-13	2008-L68069	-	2013	6										

Patent Vital Signs

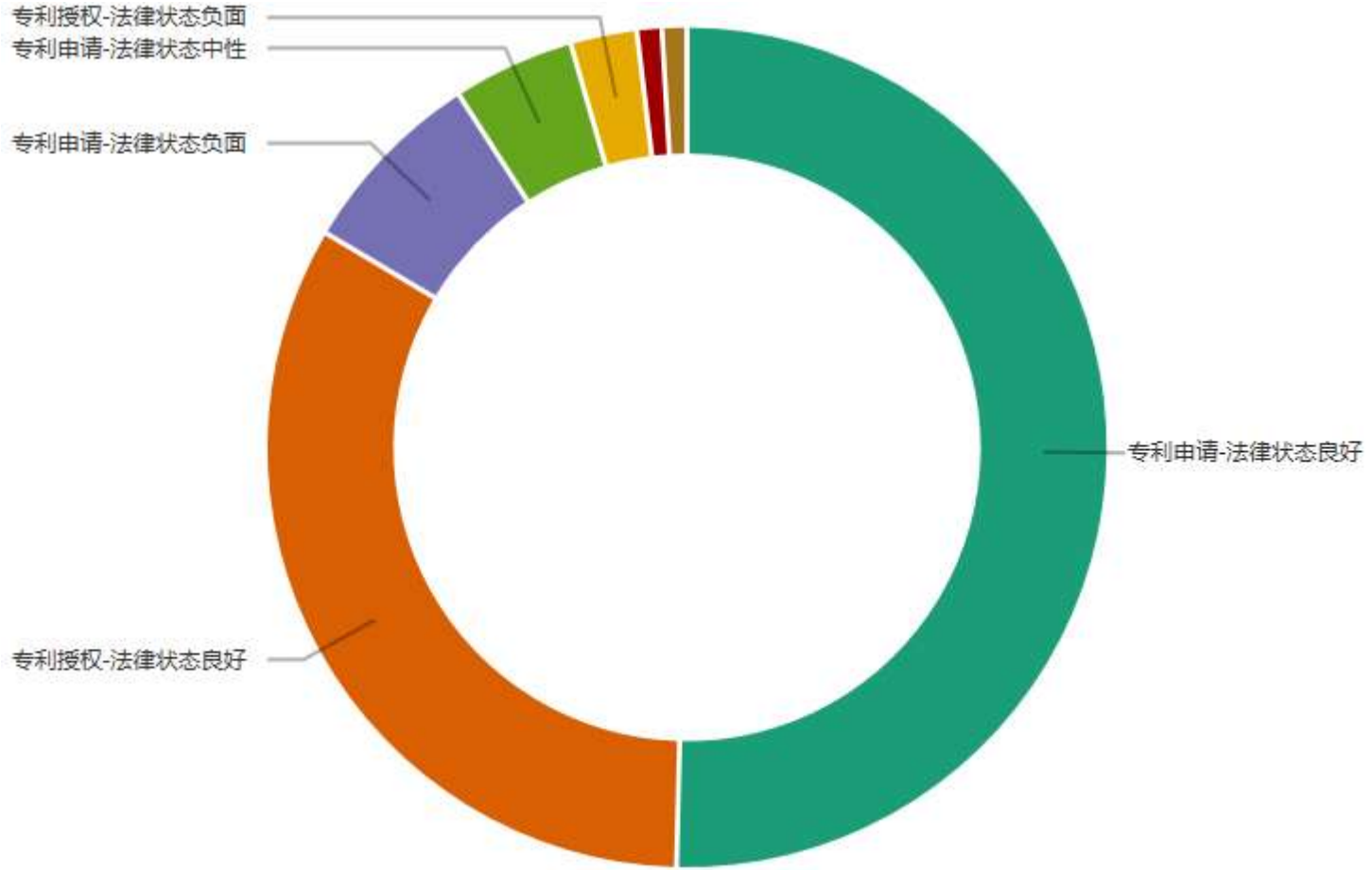
二维表格



Reset		Patent Assignees (long)	1	2	3	4	5	6	7	8
		# Records	1217	505	930	1753	666	308	911	248
Publication Number (long)	# Records	▼ ▲								
		Show Values >= 1 and <= 609	App - probably active no +/- LLS	App - probably active with negative (-)	App - probably active with positive (+)	App - probably expired (10 years)	Grant - probably active no +/- LLS	Grant - probably active with negative (-)	Grant - probably active with positive (+)	Grant - probably expired (20 years)
		▼ ▲								
1	2044	COLGATE PALMOLIVE CO (COLG)	609	88	431	222	275	47	226	58
2	1146	PROCTER & GAMBLE CO (PROC)	154	136	121	347	102	70	137	64
3	877	PROCTER&GAMBLE CO (PROC)	163	136	131	183	86	42	96	27
4	713	UNILEVER NV (UNIL)	113	49	62	249	69	31	69	54
5	678	UNILEVER PLC (UNIL)	113	50	62	231	69	31	68	37
6	451	HINDUSTAN LEVER LTD (UNIL)	67	31	30	169	61	28	53	
7	353	HENKEL KGAA (HENK)	183	16	16	183	18	27	44	11
8	351	LION CORP (LIOY)	61	28	45	124	4	2	73	4
9	309	HUBER CORP J M (HUBE)	72	48	32	61	30	21	35	
10	292	KAO CORP (KAOS)	21	13	70	70	13	9	84	8
11	272	L'OREAL SA (OREA)	20	6	13	108	27	24	39	29
12	270	PRENCIPE M (PREN-I)	89	16	55	19	43	3	32	
13	214	MASTERS J G (MAST-I)	56	7	37	23	47	5	32	
14	205	SYMRISE GMBH&CO KG (SYMR)	30	27	26	52	24	9	33	
15	198	UNILEVER HOME & PERSONAL CARE US	23	5	6	99	30	14	20	
16	179	NOVO-NORDISK AS (NOVO)	7	1	5	89	14	28	34	
17	178	NOVOZYMES AS (NOVO)	6	3	9	84	13	27	35	
18	176	TAKASAGO PERFUMERY CO LTD (TAKS)	24	11	18	53	17	10	36	5
19	163	CONOPCO INC DBA UNILEVER (UNIL)	58	8	47	3	19	4	18	
20	156	ROBINSON R S (ROBI-I)	62	9	38		18	2	19	



**大学专利的健康程度-快速定位其有效专利

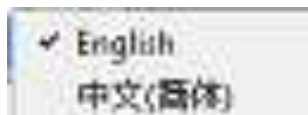


TDA 中文版

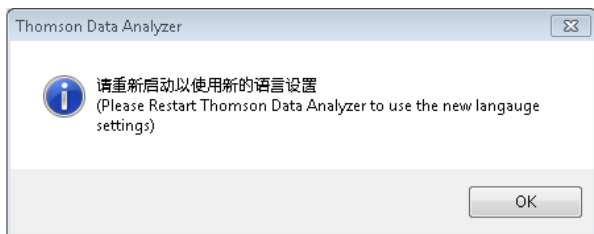
The new Chinese Interface

中英文界面转换

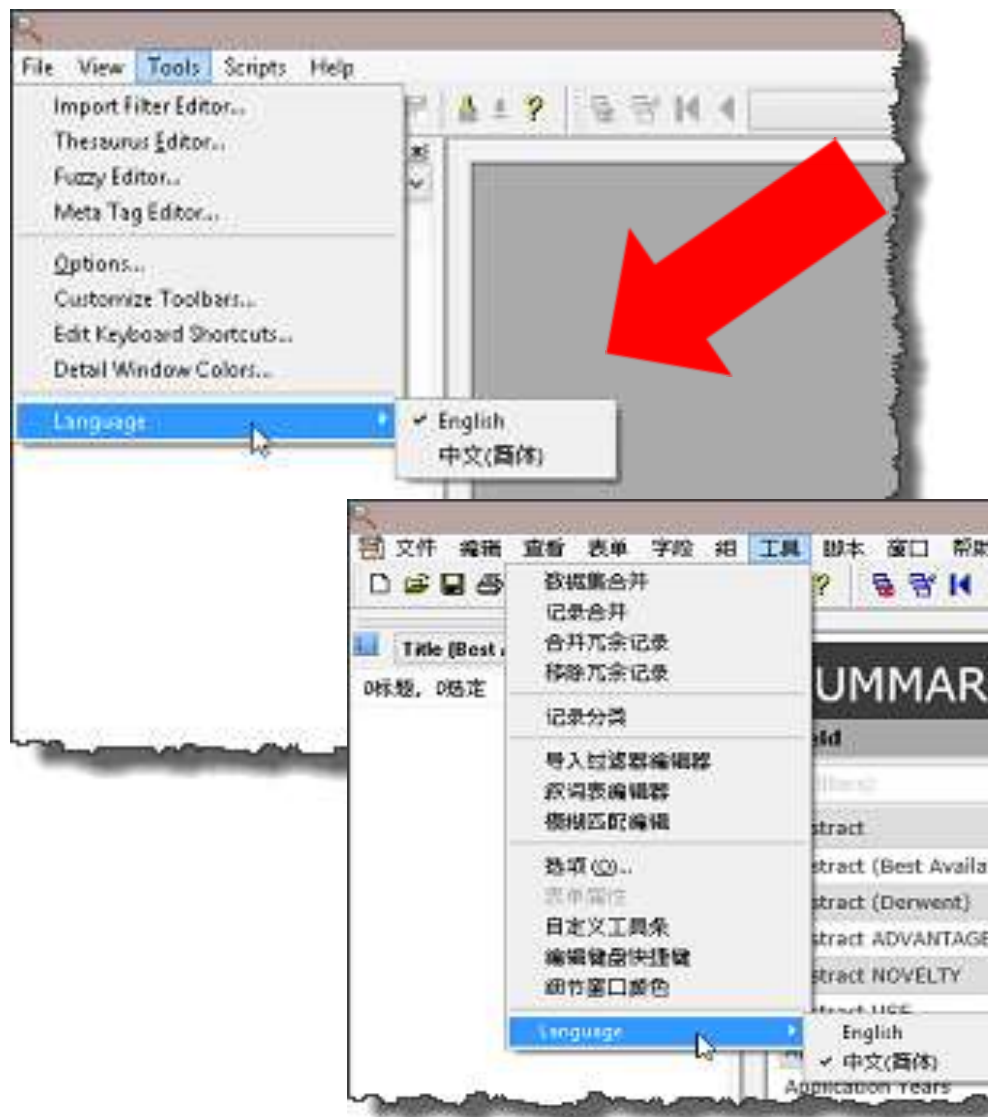
1. 选择Tools → Languages → 选择



2. 出现如下对话框:



3. 退出 TDA.
4. 重启 TDA.



TDA-CN:

The screenshot shows the Thomson Data Analyzer interface. A red circle highlights a menu with the following options:

- 重命名字段
- 复制字段
- 删除字段
- 合并字段
- 由选中项创建字段
- 由组名创建字段

Below the menu, there are options for '词表' (Thesaurus), '查找与替换' (Find & Replace), '列表清理' (List Cleanup), '恢复已保存的列表清理' (Restore saved list cleanup), '创建记事标签字段' (Create memo tag field), and '选取邻近词组' (Select adjacent groups).

The main window displays a table of patent assignees with columns for 'No', 'Indic', and 'Patent Assignees (Cleaned - No Individu...'. The table contains 21 columns and 15 rows of data.

The dialog box titled '选择数据库和字段' (Select Database and Fields) shows the following content:

Thomson Innovation - Patents (TDA format)

- Abstract (Derwent) (NLP) (Phrases)
- Abstract (Derwent) (NLP) (Words)
- Abstract (NLP) (Phrases)
- Abstract (NLP) (Words)
- Abstract ACTIVITY
- Abstract ACTIVITY (Terms)
- Abstract ADVANTAGE (NLP) (Phrases)
- Abstract ADVANTAGE (NLP) (Words)
- Abstract DESCRIPTION
- Abstract DESCRIPTION (NLP) (Phrases)
- Abstract DESCRIPTION (NLP) (Words)
- Abstract DESCRIPTION OF DRAWINGS
- Abstract DESCRIPTION OF DRAWINGS (NLP) (Phrases)
- Abstract DESCRIPTION OF DRAWINGS (NLP) (Words)
- Abstract DETAILED DESCRIPTION
- Abstract DETAILED DESCRIPTION (NLP) (Phrases)
- Abstract DETAILED DESCRIPTION (NLP) (Words)
- Abstract MECHANISM OF ACTION
- Abstract MECHANISM OF ACTION (NLP) (Phrases)
- Abstract MECHANISM OF ACTION (NLP) (Words)

Buttons: 改变数据集属性 (Change dataset properties)

Options:

- 从可编辑记事本中导入 (Import from editable notepad)
- 从现有字段中导入 (Import from existing fields)
- 显示全部字段 (Show all fields)

Buttons: 确定 (OK), 取消 (Cancel)

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Contact Us

US, Canada & Latin America

Phone: +1 800 336 4474

ts.info.us@thomsonreuters.com

Europe, Middle East and Africa

Tel: +44 (0)20 7433 4000

ts.info.emea@thomsonreuters.com

Japan

Phone: +81 3 5218 6500

ts.info.jp@thomson.com

Asia Pacific (Singapore office)

Phone: +65 6411 6888

ts.support.asia@thomson.com



REUTERS/Mark Blinch

非常感谢

沈晔晔 汤森路透科技信息服务（北京）有限公司

北京市海淀区科学院南路2号融科资讯中心C座北楼610室
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Q & A

