



# 大綱



## 出發地圖

# 研究方法資料庫

：SAGE Research Method研究方法資料庫  
／Current Protocol實驗室手冊/JoVE視覺化期刊

旅途資源

## 研究資源管道與查詢方法

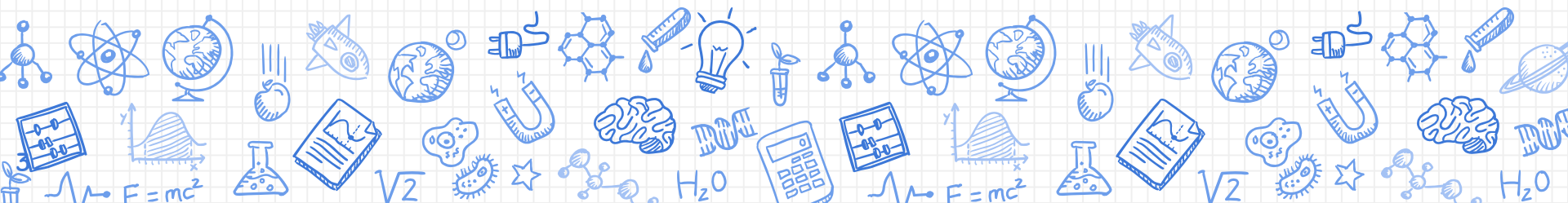
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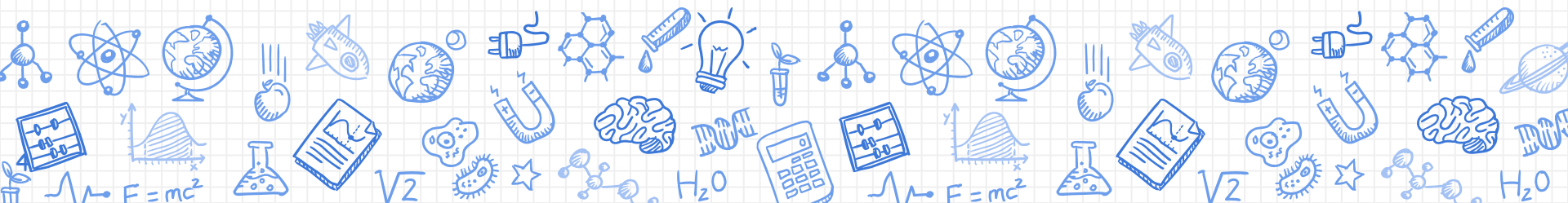
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# 研究方法資料庫



# SAGE Research Methods

研究方法資料庫





SAGE Research Methods(SRMS) 研究方法資料庫是針對社會科學研究方法所開發的資料庫，可輔助教師及學生學習研究方法、設計研究專案並進行專案研究。收錄 720 多種有關社會科學研究方法的期刊、書籍和參考工具書等資源，並提供交叉查詢 1400 個研究方法關鍵字詞，也提供實際操作練習的素材。

SRMS 是一個專注於研究方法的系統性工具，可指引研究進行，協助您按部就班完成研究計畫。因此，SRMS 能提供以下幫助：

1. 簡介研究方法
2. 選擇統計方法
3. 開始進行研究
4. 重新檢視研究

# Carrying out a research project

```
graph TD; A[Research Design] --> B[Method Selection]; B --> C[Literature Review]; C --> D[Data Collection]; D --> E[Data Analysis]; E --> F[Writing Up];
```

Research Design

Method Selection

Literature Review

Data Collection

Data Analysis

Writing Up

## Writing Up

## 1. Research Design

對研究生而言，找出自己有興趣的主題是非常重要的，尤其在進行論文研究時，可能會遇到不少問題和阻礙，**研究生若抱持著對研究主題的熱忱較能克服所面臨到的困難，同時在研究設計階段也要對研究主題領域有所瞭解，評估該研究主題投入時間、資源及相關成本等的合適程度。**

## 2. Research Method

研究生必須找到適合自己研究的研究方法。**在一個研究當中，可以只使用一種研究方法，或是因應不同的研究問題而同時使用多種研究方法，在SRMS 資料庫中亦提供不同研究方法的使用時機以及使用方式說明。**

## 6. Writing up

針對論文寫作It's never too early to start！，請同學們越早開始越好。**關於撰寫論文的順序，則建議第一部分先從論文的主要章節開始，也就是：緒論、文獻探討、研究方法、研究結果以及研究討論等，接著才是標題、摘要、關鍵字、結論等。**

## 3. Literature review

文獻回顧的資料類別可大致分為：原始資料（primary sources）、二手資料（secondary sources）以及灰色文獻等，**而好的文獻回顧可以跟著以下步驟開始：**

Search Term：用合適的關鍵字做為檢索詞彙。

Database search tool：使用資料庫找到相關的期刊文獻，例：Web of Science、Scopus等引文索引資料庫。

Key publication：找出該研究主題的關鍵出版品，並進一步找到參考文獻。

Web Search tool：透過網路工具進行搜尋，特別是相關的灰色文獻。

Scanning：依研究需求找到相關文章先從摘要、評論等判斷合適性，而不先細讀每篇文獻的全文。

Reading：仔細閱讀，閱讀時最好可以做筆記。

Thematic Organization：建議可透過書目管理軟體工具，歸類並組織文獻。

Writing the review：用自己的話去摘要文章重點並撰寫！

## 4. Data Collection

學術中採用的研究方法可大致分為質化研究、量化研究以及混合研究法，並依此決定資料的蒐集方式。研究生在決定研究問題以及規劃研究設計之後，也須**思考資料蒐集的方式是要自己產生研究資料，抑或是使用既有的研究資料。而自己產生研究資料的方式，可透過問卷調查法、訪談法、焦點團體法或是實驗等；若是使用既有研究資料時，則要留意如何以及在這裡取得資料等事項，SRMS 資料庫也提供 Datasets 數據集供使用（可參考此文）。**

## 5. Data Analysis

當**分析質化資料**時，分類（sorting）並找出趨勢（patterning）建立意義是非常重要的；而**分析量化資料**時，則有兩個基本策略：探索（Exploration）與解釋（Explanation），SRMS 資料庫中有更完整的解釋。

內文出處：

「從方法規劃、資料分析到論文寫作—以 SAGE Research Methods 為例」講座紀實  
<http://tul.blog.ntu.edu.tw/archives/23041>

## 資料類型

### BOOK

經典與前沿研究專書

量化研究方法

(Little Green Books)

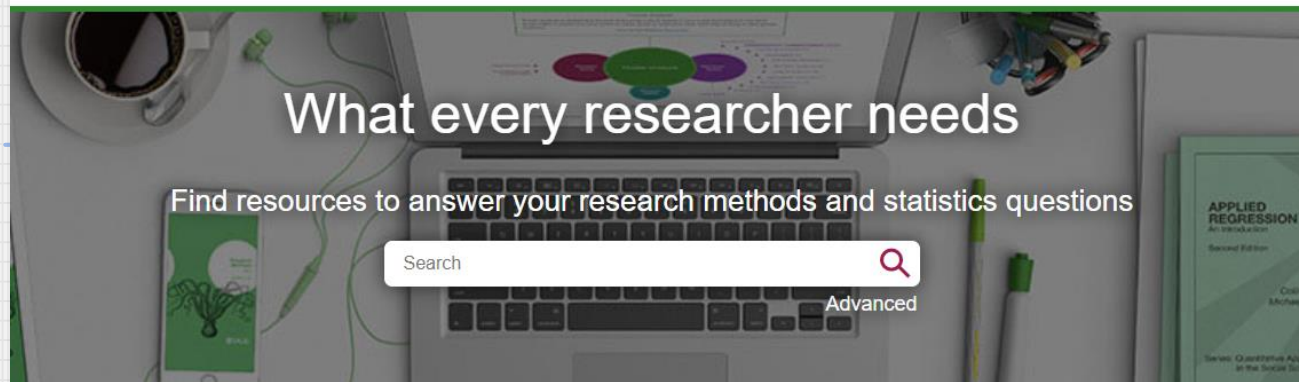
質性研究方法

(Little Blue Books)

參考工具書

CASE：實際運用研究  
方法的research project

Video：各類運用研究  
方法實例或教學影片



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definitions



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methods



Little Green Books

Learn about qualitative  
methods



Little Blue Books

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research



Cases

Practice data analysis



Datasets

Design a research project



Project Planner

## 搜尋

國家教育研究院

National Academy for Educational Research

雙語詞彙、學術名詞暨辭書資源

詞彙查詢 | 下載專區 | 詞彙建議 |

釋義

翻譯

◀ 回簡目列表

✎ 修訂/助讀建議

✎ 單筆輸出

### 民族誌 ethnography

葉乃靜

2012年10月

圖書館學與資訊科學大辭典

#### 名詞解釋:

民族誌是社會人類學者以參與觀察的方法，對特定文化區域、動態地、情境化描繪和解釋的一種方法。它探究的是特定為模式，例如：文化中的「人、事、時、地、物」各因素之交互法。民族誌研究基本訴求是能掌握人們每天活動的意義，它對正的了解當地人們所思所行。研究者不但是研究對象生活的參與者，必須「長時間參與」，無論是以被研究者能感受到蒐集資料，掌握研究場境中當地人的觀點，瞭解當地人對自身視野及角度觀察他們的文化生活，以真正掌握當地日常生活的描繪所探索的研究團體。

可以說，民族誌也是針對一個人類團體，包括其機構、人際行為、物質產物以及信仰，進行描述的藝術與科學。在質化研究中，民族誌研究已成為社會研究的一種普遍的途徑，它被許多學科或應用領域所採用，如社會與文化人類學、社會學、人類地理學、組織研究、教育研究與文化研究等。

#### 參考資料:

劉仲冬 (1996)。民族誌研究法及實例。在胡幼慧主編，質性研究－理論、方法及本土女性研究實例。臺北市：巨流。

Hammersley, M. & Atkinson, P. (1995). *Ethnography: Principles in practice*. NY: Routledge.

Angrosino, M. 著，張可婷譯 (2009)。民族誌與觀察研究法。臺北市：華伯文化。

## What every researcher needs

Find resources to answer your research methods and statistics questions

ethnography

Advanced

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research

Practice data analysis

Design a research project

國家教育研究院學術名詞字典



## Ethnography:

Ethnography involves the production of highly detailed accounts of how people in a social setting lead their lives, based on systematic and long-term observation of, and discussion with, those within the setting.

[See more in Methods Map](#)

## Ethnography

### 查詢詞釋義

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### Handbook of Ethnography

**Edited by:** Paul Atkinson, Amanda Coffey, Sara Delamont, John Lofland, Lyn Lofland

**Published:** 2001

... of the intellectual contexts within which **ethnographic** research has been fostered, developed and ... every discipline and every period of **ethnography** is various trajectories over the course ... sources and inspirations that have nurtured **ethnographic** research. The development of **ethnographic** fieldwork in sociology is inextricably linked ... by no means exclusively -grounded in **ethnographic** fieldwork. In later manifestations the postwar ...

**Methods:** Ethnography, Oral history research

**Keywords:** anthropology, ethnographer, ethnography, interviews, sociology

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### SAGE Qualitative Research Methods

**Edited by:** Paul Atkinson, Sara Delamont

**Published:** 2010

... conducted in straightforward ways – single-handed **ethnographic** fieldwork, sample surveys, community studies – and ... method'. They certainly did not equate **ethnographic** fieldwork with a single methodologically-driven ... papers had grown exponentially. Anthropology and **ethnographic** fieldwork implied one another most intimately ... research, in anthropology was always just '**ethnography**' or 'fieldwork' and was the taken ... alone, such as Qualitative Research (SAGE), **Ethnography** (SAGE) or Field Methods (SAGE). These ...

**Methods:** Ethnography, Field notes, Fieldwork

**Keywords:** Chicago, ethnographer

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☒ Books (3,015)

☒ Little Green Books (18)

☒ Little Blue Books (219)

☒ Handbooks (1,081)

☒ Major Works (414)

☒ Reference (722)

☒ Encyclopedia (520)

☒ Dictionary (202)

☒ Journal Articles (207)

☒ Datasets (32)

Data Types

☒ Quantitative (0)

☒ Qualitative (32)

Software Guides

☐ All Guides

☐ Excel (0)

查詢結果根據資料類型篩選

1. Research Design
2. Research Method
6. Writing up

圖書：可了解概念的專論與實例，有完整的參考文獻

參考工具書：查詢研究方法的意涵與定義

期刊文獻(學術文章)學術論述的完整且重要的內容，篇幅易於閱讀與掌握

4. Data Collection
5. Data Analysis

資料集：可執行與再現研究操作後的成果

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## Key Concepts in Ethnography

Karen O'Reilly

Published: 2009

... do we Need Another Book on **Ethnography**? Social research methods texts have been ... has its own dedicated book, and **ethnography** is no exception. There are books on visual **ethnography**, virtual **ethnography**, organisational **ethnography**, **ethnography** and education, **ethnography** and health ...

**Methods:** Participant observation, Ethnography

**Keywords:** ethnographer, ethnographic research, ethnography, interviews, participant observation, writing up

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## Organizational Ethnography

Edited by: Daniel Neyland

Published: 2008

... Sensibility One: **Ethnographic** Strategy introduction This first sensibility sets ... of instructions to follow in doing **ethnography** (as each **ethnographic** setting and each experience of doing **ethnography** is different). Instead, I will set ... paths to take in entering into **ethnographic** research, and ground these in the ...

**Methods:** Observational research, Ethnographic writing, Ethnography

**Keywords:** ethnographer, knowledge, negotiation, organization studies, organizational change, organizations, types of organization

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## Doing Ethnography

Amanda Coffey

Published: 2018

... [Page 1] Introduction : The foundations of **ethnography** [Page 2] Objectives After reading this ... a working definition of the term **ethnography**; • be able to differentiate between **ethnography** as a description of a research ... appreciation of the historical context of **ethnography**; • know about some of the key ... disciplinary influences on the development of **ethnography**; and • understand

☒ Cases (241)

研究方法  
個案

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影片

☒ Definition (0)

☒ Documentary (0)

☒ In Practice (0)

☒ Interview (49)

☒ Tutorial (0)

☒ Case Study (0)

☒ Conversations (0)

☒ Conference (0)

協助設計研究流程的工具

☒ Project Planner (10)

同樣的研究法在  
不同領域的應用

☒ Podcasts (0)

Discipline

☒ SELECT ALL

☒ Anthropology (3,710)

☒ Business and Management  
(3,538)

☒ Communication and Media  
Studies (3,473)

☒ Computer Science (240)

Tip:  
根據使用時機、想  
找的資料內容進行  
篩選。

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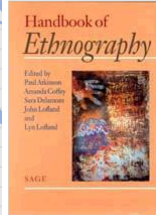
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## Ethnography:

Ethnography involves the production of highly detailed accounts of how people in a social setting lead their lives, based on systematic and long-term observation of, and discussion with, those within the setting.

[See more in Methods Map](#)

查詢詞的Methods Map



HANDBOOK

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Edited by: [Paul Atkinson](#), [Amanda Coffey](#), [Lyn Lofland](#)

Published: 2001

... of the intellectual contexts within which ... fostered, developed and ... every discipline various trajectories over the course ... source **ethnographic** research. The development sociology is inextricably linked ... by no means **ethnographic** fieldwork. In later manifesta

Methods: Ethnography, Oral history rese

Keywords: anthropology, ethnographer,



MAJOR WORK

### SAGE Qualitative Research Methods

Edited by: [Paul Atkinson](#), [Sara Delamont](#)

Published: 2010

... conducted in straightforward ways – single sample surveys, community studies – and equate **ethnographic** fieldwork with a single had grown exponentially. Anthropology and another most intimately ... research, in anthropology **ethnography** or 'fieldwork' and was the Research (SAGE). **Ethnography** (SAGE).

Methods: Ethnography, Field notes, Field

Keywords: Chicago, ethnographer

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## 3.Literature review --Search term

### Methods Map

Explore the research methods terrain, read definitions of key terminology, and discover content relevant to your research methods journey



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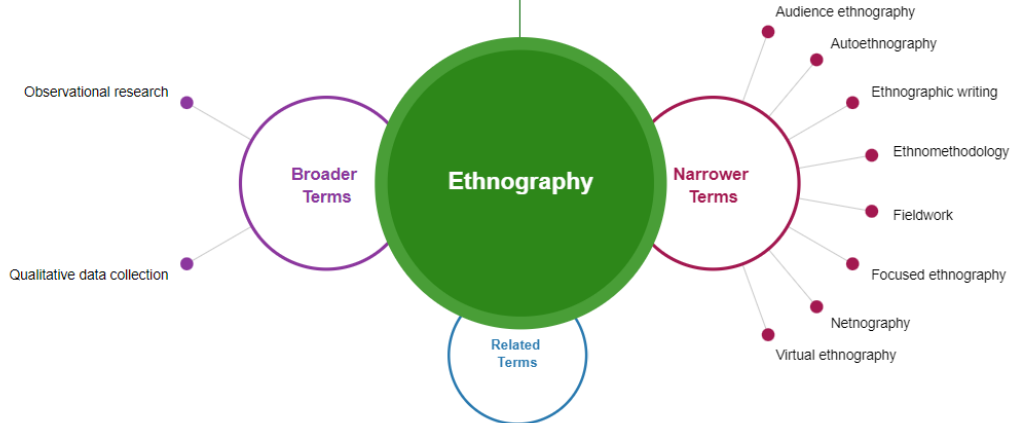
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### Ethnography

Ethnography involves the production of highly detailed accounts of how people in a social setting lead their lives, based on systematic and long-term observation of, and discussion with, those within the setting.

[Search all content on Ethnography](#)

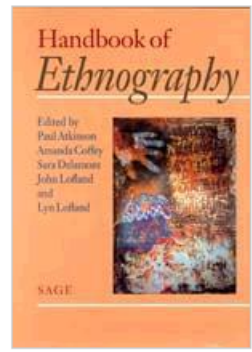






書 目

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HANDBOOK

## Handbook of Ethnography

**Edited by:** Paul Atkinson, Amanda Corby, Sara Delamont, John Lofland, and Lyn Lofland

**Published:** 2001

... of the intellectual contexts fostered, developed and ... various trajectories over the ethnographic research. The sociology is inextricably linked to ethnographic fieldwork. In la

**Methods:** Ethnography, Oral history

**Keywords:** anthropology, ethnography

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<https://www.doi.org/10.4135/9781848608337>

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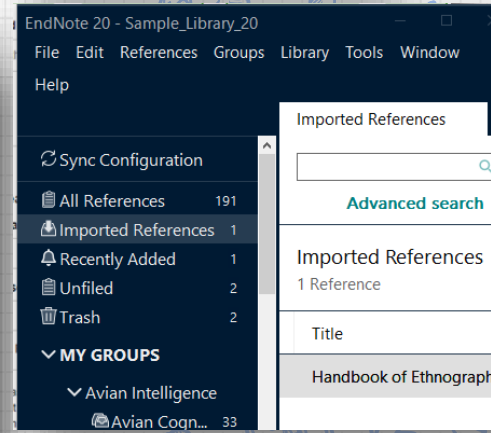
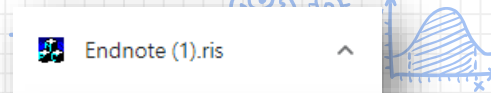
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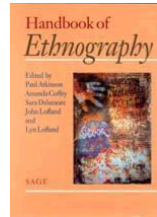
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## Handbook of Ethnography

**Edited by:** Paul Atkinson, Amanda Coffey, Sara Delamont, John Lofland & Lyn Lofland

**Published:** 2001

**DOI:** <https://dx.doi.org/10.4135/9781848608337>

**Methods:** Ethnography, Oral history research

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HANDBOOK

Chapters

Front Matter

Subject Index

Find in this book



Introduction to Part One

The Chicago School of Ethnography

Symbolic Interactionism and Ethnography

Currents of Cultural Fieldwork

British Social Anthropology

Into the Community

Mass-Observations Fieldwork Methods

Orientalism

Ethnomethodology and Ethnography

## Currents of Cultural Fieldwork

In: [Handbook of Ethnography](#)

HANDBOOK

**By:** JAMES D. FAUBION

**Edited by:** Paul Atkinson, Amanda Coffey, Sara Delamont, John Lofland & Lyn Lofland

**Published:** 2001

**DOI:** <https://dx.doi.org/10.4135/9781848608337.n3>

**Methods:** Participant observation, Fieldwork, Fieldwork

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Sections

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In *The Savage Mind*, Claude Lévi-Strauss declares the method of the historian a method 'with no distinct object' ([1962] 1966: 262). With only slight exaggeration, much the same might currently be said of fieldwork in cultural anthropology. At the very least, such fieldwork has an increasingly unstable object, or if not even quite that, an increasingly indefinite plurality of objects. The notorious, long-standing polysemy of 'culture' notwithstanding, matters have not always been so wrought with ambiguity. A heuristic 'oscillograph' of cultural anthropology might register three distinct methodological phases, three currents of methodological formation and reformation. The first of these – call it the 'constitutive' current – commences with the work of Franz Boas and his extraordinary coterie of students – Edward Sapir, Ruth Benedict (cf Geertz, 1988; Caffrey, 1989; Modell, 1983), Elsie Clews Parsons (cf. Deacon, 1997; Rosenberg, 1982), Robert Lowie, Zora Neale Hurston (cf. Plant, 1995), and Alfred Kroeber, among many others. It culminates with Lévi-Strauss and such American cognitivists as Charles Frake, Harold Conklin, Ward Goodenough,

### Chapters

#### Previous

Symbolic Interactionism and Ethnography

#### Next

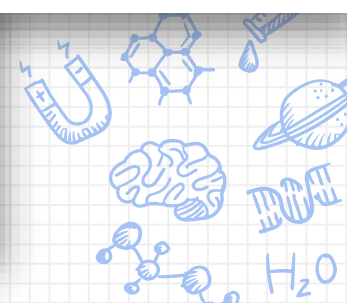
British Social Anthropology

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Methods Map



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學科

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### Video:

Do you want to refresh your knowledge of research methods? Or bring concepts alive in your classroom? Our collection of [videos](#) will give you lots of options to select from! We have videos with discipline specific orientation, such as those focused on the subject of [business research](#). And we have many films that focus exclusively on a research method and its operation, ideal for use across the spectrum of academic disciplines – for example those focused on [survey research methods](#). Video types include succinct [definitions](#) of concepts and methods, full-length [documentaries](#) delineating research processes, [in practice](#) accounts of professional research activity, [interviews](#) with leading academics in the field of research, [lectures](#) on topics such as Big Data, step-by-step [tutorials](#) demonstrating research and analysis techniques, and [video cases](#) describing real-life experiences of research in operation.

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VIDEO



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### A Brief Guide to Randomized Controlled Trials

**Published:** 2019 | **Publisher:** SAGE Publications Ltd

**Product:** [SAGE Research Methods](#)

**Video Type:** Tutorial | **Duration:** [00:07:35]

Anouk Riegerink discusses randomized controlled trials and how to utilize this method to gather and analyze data.

**Methods:** [Randomized controlled trials](#)

**Keywords:** [deforestation](#), [internships](#), [intervention studies](#), [policy analysis](#), [villages](#)

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## An Introduction to Survey Research Methods

VIDEO

Segment 1: Survey Research Methods



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population of people in a country, but it could be the population of fish in the sea, population of trees in a wood, pebbles on a beach, anything. But the big key principle is that we can draw smaller subgroups from the total population, which are then easier and more cost-effective to you measure.

00:52 And we can then make what we call inferences. We can talk about the characteristics of the whole population just on the basis of this smaller sample. So that's the kind of the key idea behind survey research. And the history of survey research goes back a long way. If you think of the Bible, Jesus was on his way, in his mother's tummy, to be measured as part of a census.

## Analyzing Emotional Responses to Television Commercials Using Quantitative Methods

Published: 2020 | Publisher: SAGE Publications Ltd.

Product: SAGE Research Methods

Video Type: Case Study | Duration: [00:11:19]

Jennifer Burton from the University of Tampa describes her research into moment-to-moment emotional responses to television ads.

Methods: Content analysis, Research design, Methodology

Keywords: advertising, emotion and choice, ethics / research ethics, marketing research, recruiting, Social media, Software, text analysis, word frequency counts

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Academic: Samreen Ashraf

Published: 2021 | Publisher: SAGE Publications Ltd.

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A Mixed-Methods Ethnographic Approach for the Cultural Assessment of Risk and Well-Being in Sport

**Gabriel A. Torres Colón**

**Published:** 2020

Mixed methods refers to the combination of quantitative and qualitative methodologies in research. This ethnographic case study examines how qualitative rich data from participant observation and interviews can be used ...

**Methods:** Ethnography , Participant observation , Mixed methods

**Keywords:** boxing , concussion , head injuries , recreational sports , sport , sports , well-being

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A Police Closed-Circuit Television Control Room Ethnography: Exploring How Gender Stereotypes Inform Closed-Circuit Television Operators' Thoughts and Actions

**Heather M. Morgan**

**Published:** 2014

This case study focuses on an ethnography conducted in a police closed-circuit television control room, undertaken in order to explore the ways in which gender stereotypes inform the thoughts and ...

**Methods:** Fieldwork , Case study research , Ethnography

**Keywords:** closed circuit television , crime , deviance , gender stereotypes ,

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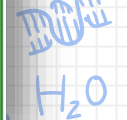
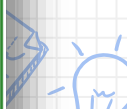
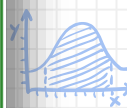
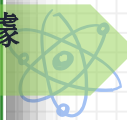
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# Case 1: Mrs Johnson

## 質性數據

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Mrs Johnson attends the memory clinic with her husband together and fiddles with her handbag during the consultation. The doctor suggests she is nervous and she looks to her husband for support during the interaction. I discover prior to the consultation that Mrs Johnson had a brain haemorrhage in early adulthood and has some memory loss as a result of the surgery that saved her life.

**Doctor:** Okay – well, I think the bottom line is, I don't know what the moment that we have to rush around and be concerned about is.

**Mrs Johnson:** Just age, I'm just ageing.

**Doctor:** Well no, you're a bit more interesting than the other people who come in bits and pieces and tests last time and I don't know how you manage all those tests and memory...

**Mrs Johnson:** I had a scan.

**Doctor:** As far as the memory questions and everything that you did last time...It's

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Dataset

Teaching and Learning Material

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You can preview and download the dataset from this tab. The dataset is available in multiple file formats, compatible with most common software packages. You can also view and download the Codebook, which provides information on the structure, contents, and layout of the dataset.

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Race Implicit Attitude Test (2002–2013)

	VARIABLE NAME	VARIABLE LABEL	TYPE	WIDTH	DECIMALS	VALUE	VALUE LABEL
1	impwhitegood	Overall IAT D score	Numeric	6	3	(scale)	

## 量化數據

	A	B	C
1	comms	transport	energy
2	4	4	3
3	3.33333	3	3.33333
4	3	3.666667	4
5	3.33333	3.666667	3.33333
6	3.66667	3.333333	3
7	3	3.333333	3.66667
8	2.66667	3.333333	3
9	3.33333	3.333333	3.33333
10	2.66667	3	3.66667
11	2.33333	3.333333	3
12	3	2.666667	3
13	3	3	3.33333
14	4	4	3
15	4	3.333333	3
16	2.66667	3	3
17	3	3.333333	4
18	3	3.333333	3.66667
19	3	3	3
20	4	4	3.5
21	3.66667	4	3.33333
22	4	4	3.33333
23	3	3.333333	3

## Project Planner :

依照研究的步驟提供資源指引

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#### Research Stages

- Overview
- Philosophy of Research
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- Reviewing the Literature
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- Data Collection
- Data Analysis and Interpretation
- Writing Up**
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This stage will:

- Explain how to write academically
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Writing up your research is a crucial stage of any research project, and it's wise not to leave consideration of this step to the end. Writing as you go along can help to make the task seem less daunting, so start early!

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Academic writing has much in common with any good writing but there are particular requirements which apply when you are engaged in the production of knowledge.

Most universities have guides to good writing and to academic writing and these should be consulted. The following points need to be addressed always:

- **Is my writing grammatical?**
- **Is my spelling correct?**

Beware the spell checker! A common spelling fault is to type homophones—words that sound the same but are spelled differently and have different meanings.

## Which Stats Test 回答測驗問題提供研究指引

### Question 1 - What is the purpose of your analysis?

- ☐ To look for differences between sets of data
- ☒ To look for an association between variables

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### Question 3 - What measurement level is your outcome variable?

- ☒ Interval/Ratio
- ☐ Ordinal
- ☐ Nominal

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### Question 2 - What do you want to do with your data?

- ☐ Measure the strength of association between two variables of the same type
- ☒ Predict values of an outcome variable from one or more independent variables

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### Suggested Test - OLS regression

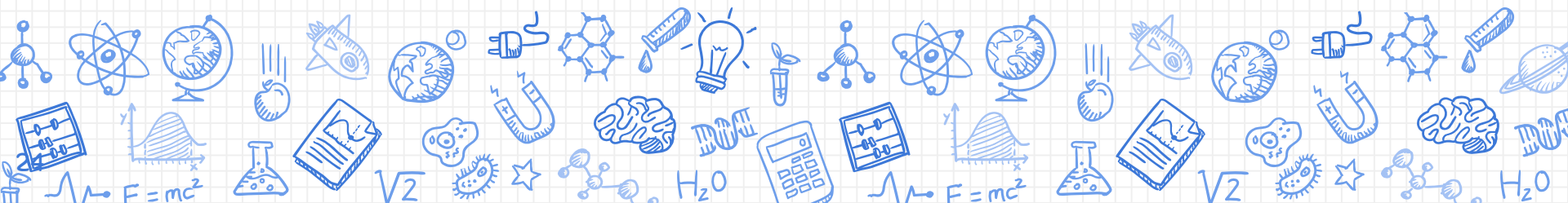
Based on your answers the test that seems most appropriate is [OLS regression](#). Read about this method in our encyclopedia resources or try it for yourself with SAGE Research Methods Datasets. We have the following datasets with which you can practice this method:

- Simple Regression and the Race Implicit Attitudes Test (2012): Implicit and Self-Reported Racial Attitudes
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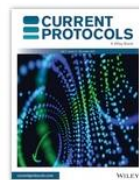


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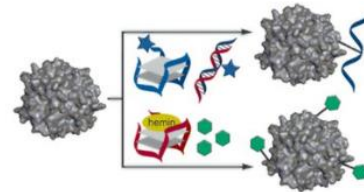


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### Abstract

FlyBase (flybase.org) is the primary online database of genetic, genomic, and functional information about *Drosophila* species, with a major focus on the model organism *Drosophila melanogaster*. The long and rich history of *Drosophila* research, combined with recent surges in genomic-scale and high-throughput technologies, mean that FlyBase now houses a huge quantity of data. Researchers need to be able to rapidly and intuitively query these data, and the QuickSearch tool has been designed to meet these needs. This tool is conveniently located on the FlyBase homepage and is organized into a series of simple tabbed interfaces that cover the major data and annotation classes within the database. This unit describes the functionality of all aspects of the QuickSearch tool. With this knowledge, FlyBase users will be equipped to take full advantage of all QuickSearch features and thereby gain improved access to data relevant to their research. © 2016 by John Wiley & Sons, Inc.

### Introduction

FlyBase is the primary online database of genetic, genomic, and functional information about *Drosophila* species, with a major focus on the model organism *Drosophila melanogaster*. Data are incorporated through curation of published research papers and via

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# Exploring FlyBase Data Using QuickSearch

UNIT 1.31

Steven J. Marygold,<sup>1</sup> Giulia Antonazzo,<sup>1</sup> Helen Attrill,<sup>1</sup> Marta Costa,<sup>1</sup> Madeline A. Crosby,<sup>2</sup> Gilberto dos Santos,<sup>2</sup> Joshua L. Goodman,<sup>3</sup> L. Sian Gramates,<sup>2</sup> Beverley B. Matthews,<sup>2</sup> Alix J. Rey,<sup>1</sup> Jim Thurmond, and the FlyBase Consortium<sup>4</sup>

<sup>1</sup>Department of Physiology, Development and Neuroscience, University of Cambridge, Cambridge, United Kingdom

<sup>2</sup>The Biological Laboratories, Harvard University, Cambridge, Massachusetts

<sup>3</sup>Department of Biology, Indiana University, Bloomington, Indiana

<sup>4</sup>The members of the FlyBase Consortium are listed in the Acknowledgements

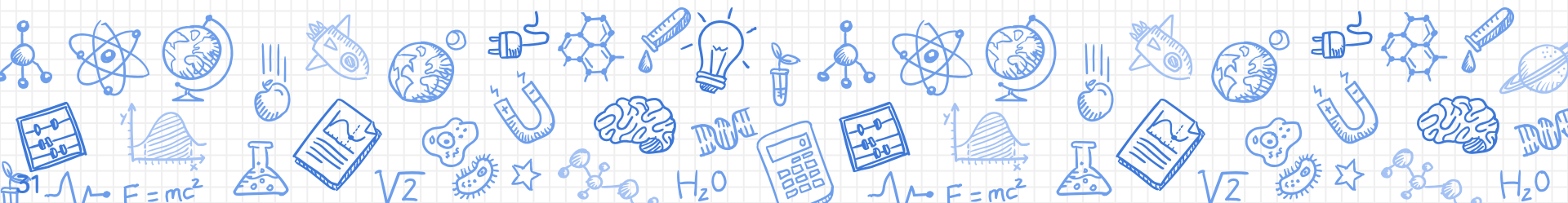
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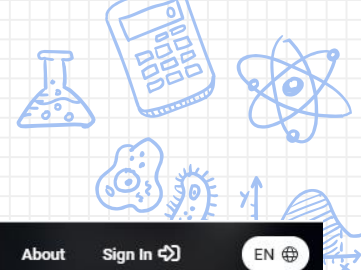
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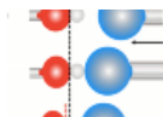


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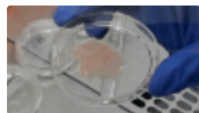


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<sup>1</sup>School of Biomedical Engineering, Faculty of Engineering, The University of Sydney, <sup>2</sup>Charles Perkins Centre, The University of Sydney, <sup>3</sup>Heart Research Institute, <sup>4</sup>Department of Chemistry, The Hong Kong University of Science and Technology, <sup>5</sup>School of Aerospace, Mechanical and Mechatronic Engineering, Faculty of Engineering, The University of Sydney



Journal (Bioengineering)

## Isolation and Culture of Primary Human Gingival Epithelial Cells using Y-27632

Zhiwei Xie<sup>1,2,3</sup>, Jizhou Shi<sup>4</sup>, Min Zong<sup>3</sup>, Qiuping Xu<sup>1</sup>, Chang Liu<sup>1</sup>, Jie Wen<sup>1</sup>, Qun Zhang<sup>1</sup>, Panpan Liu<sup>1</sup>, Guanyi Liu<sup>1</sup>, Jing Guo<sup>2,5</sup>, Xunwei Wu<sup>1</sup>

<sup>1</sup>Department of Tissue Engineering and Regeneration, School and Hospital of Stomatology, Cheeloo College of Medicine, Shandong University & Shandong Key Laboratory of Oral Tissue Regeneration & Shandong Engineering Laboratory for Dental Materials and Oral Tissue Regeneration, <sup>2</sup>Department of Orthodontics, School and Hospital of Stomatology, Cheeloo College of Medicine, Shandong University & Shandong Key Laboratory of Oral Tissue Regeneration & Shandong Engineering Laboratory for Dental Materials and Oral Tissue Regeneration, <sup>3</sup>Department of Stomatology, Shengli Oilfield Central Hospital, <sup>4</sup>Department of Pediatric Surgery, Shengli Oilfield Central Hospital, <sup>5</sup>Ningbo Stomatology Hospital of Savaid Stomatology School, Hangzhou Medical College



Journal (Bioengineering) | Methods Collections

## Simultaneous Brightfield, Fluorescence, and Optical Coherence Tomographic Imaging of Contracting Cardiac Trabeculae Ex Vivo

Jarrah M. Dowrick<sup>1</sup>, Alex J. Anderson<sup>1</sup>, Ming L. Cheuk<sup>1</sup>, Kenneth Tran<sup>1</sup>, Poul M. F. Nielsen<sup>1,2</sup>, June-Chiew Han<sup>1</sup>, Andrew J. Taberner<sup>1,2</sup>

<sup>1</sup>Auckland Bioengineering Institute, University of Auckland, <sup>2</sup>Department of Engineering Science, University of Auckland



Journal (Bioengineering) | Methods Collections

## In vitro Induction of Human Dental Pulp Stem Cells Toward Pancreatic Lineages

Suryo Kuncorojakti<sup>1,2</sup>, Watchareewan Rodprasert<sup>1</sup>, Quynh Dang Le<sup>1,5</sup>, Thanaphum Osathanon<sup>3,4</sup>, Prasit Pavasant<sup>3,4</sup>, Chenphop Sawangmake<sup>1,5,6</sup>

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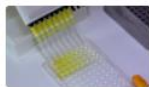
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## Preparation of Tumor Antigen-loaded Mature Dendritic Cells for Immunotherapy

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## Quantitative Analyses of all Influenza Type A Viral Hemagglutinins and Neuraminidases using Universal Antibodies in Simple Slot Blot Assays

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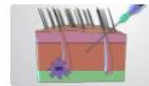
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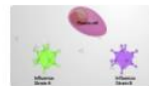
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# Carrying out a research project

```
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
Method Selection

Literature Review

Data Collection

Data Analysis

Writing Up

 Method Selection

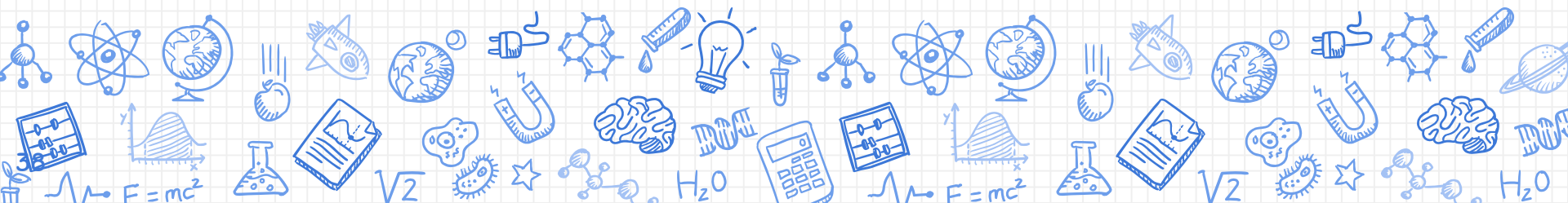
Literature Review

## Data Collection

## Data Analysis

## Writing Up

# 研究資源管道與查詢方法



# 1.產業資訊、公司報告、統計資料

## ProQuest 商業管理資料庫系列

- X **ABI/INFORM Global**：企管資訊文獻全文資料庫
- X ABI/INFORM Trade & Industry：工商企業商情全文資料庫
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- X Asian & European Business Collection：收集歐亞地區公司、經濟、市場、國際貿易和整體經營狀況之詳細訊息
- X **Business Market Research Collection**：提供各國與區域產業報告及市場研究調查報告，並提供SWOT分析、市場趨勢及競爭概況
- X Canadian Business & Current Affairs Database：加拿大的商業資訊
- X Wall Street Journal：華爾街日報

# ProQuest 商管資料庫系列：產業報告

## Fitch Solutions Industry Insight Reports

- 2018-
- 季報/月報

- 來源：惠譽國際信用評等的旗下公司
- 將全球50國產業，分為汽車、銀行等24種產業類別，分析全球在該項產業5-10年內的發展趨勢、投資風險、SWOT分析、競爭概況...

## First Research

- 2009-
- 不定期更新

- 來源：Dun & Bradstreet 鄧白氏公司
- 涵蓋美加地區 300 種產業，產業報告篇幅精簡，由銷售和行銷的角度來析產業趨勢

## Just-Series Market Research Reports

- 2004-
- 不定期更新

- 來源：英國情報公司Aroq
- 包括四大系列：汽車業 (Auto)、飲料業 (Drinks)、食品業 (Food)與時尚業 (Style)，各系列之下先依西元年排序，再依主題排序

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1  **Thailand Pharmaceuticals & Healthcare Report - Q4 2021**  
**Fitch Solutions Country Industry Reports; London, (Fourth Quarter 2021).**  
...healthcare tourism destination, **Thailand's** push to further develop its **medical**...  
...Thai government's commitment to further develop the **medical** industry have...  
... **Thailand** ...  
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2  **Thailand Medical Devices Report - Q2 2021**  
**Fitch Solutions Country Industry Reports; London, (Second Quarter 2021).**  
... **Thailand** ...  
...s **medical** devices market will register a mid single...  
...a growing private sector, government incentives for the **medical** devices industry...  
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3  **Worldwide OTC Medicine Market - 16 DECEMBER 2020**  
**Fitch Solutions Country Industry Reports; London, (Dec 16, 2020).**  
...**Thailand** OTC **Medicine** Market Forecast Industry Forecast - Vietnam OTC...  
...Forecast - Algeria OTC **Medicine** Market Forecast...  
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Fitch Solutions Country Industry Reports; London, (Oct 22, 2021).

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#### Industry Trend Analysis.....

Australia OTC Medicine Market Forecast.....  
Bangladesh OTC Medicine Market Forecast.....  
China OTC Medicine Market Forecast.....  
Hong Kong OTC Medicine Market Forecast.....  
India OTC Medicine Market Forecast.....  
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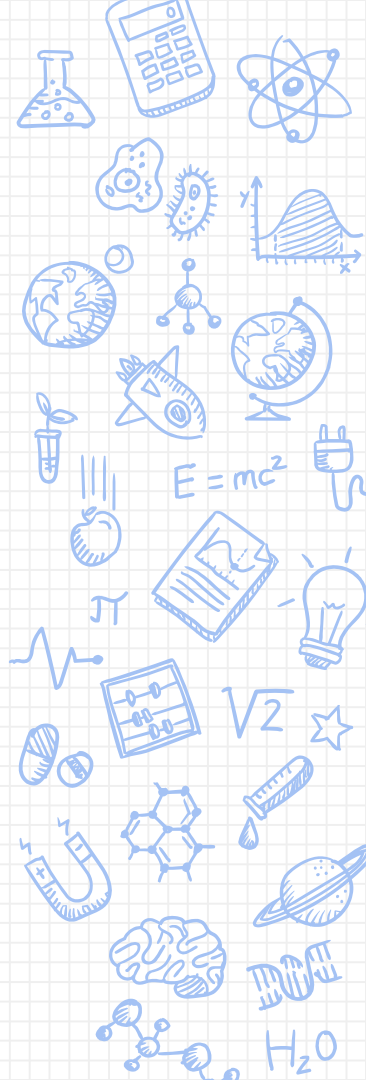
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## Worldwide OTC Medicine Market





## 相關教學影片

<https://youtu.be/GV0toyIND4s>



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## 相關教學文章

---

- X ABI/INFORM [ProQuest] 商業管理資料庫檢索功能簡介  
X <http://tul.blog.ntu.edu.tw/archives/26085>
- X 美國上市公司資訊: Business Market Research Collection (Hoover's Company Records)資料庫  
X <http://tul.blog.ntu.edu.tw/archives/1857>
- X 國外產業報告何處尋?  
X <http://tul.blog.ntu.edu.tw/archives/2652>



## EBSCOhost 商業管理資料庫

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### X Business Source Elite (BSE)

商學、管理、經濟、經融、會計等的學術期刊、雜誌

X 收錄全文舉例：

Harvard Business Review、Fortune、



Forbes magazine、Time、Fast company、Bloomberg businessweek





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Company Name	PDF Complete Report	Location	Industry
<a href="#">Align Technology, Inc.</a>	 <a href="#">MarketLine Report (585K)</a>	United States	MEDICAL EQUIPMENT
<a href="#">Alimentation Couche-Tard Inc.</a>	 <a href="#">MarketLine Report (556K)</a>	Canada	RETAIL
<a href="#">Alinma Bank</a>	 <a href="#">MarketLine Report (506K)</a>	Saudi Arabia	REAL ESTATE

搜尋公司名稱

## Company Profiles 公司資訊



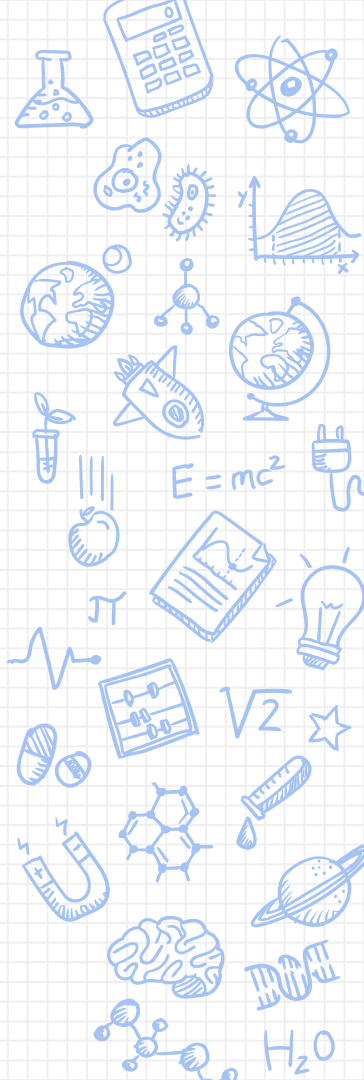
### Align Technology, Inc. TABLE OF CONTENTS

Marketline

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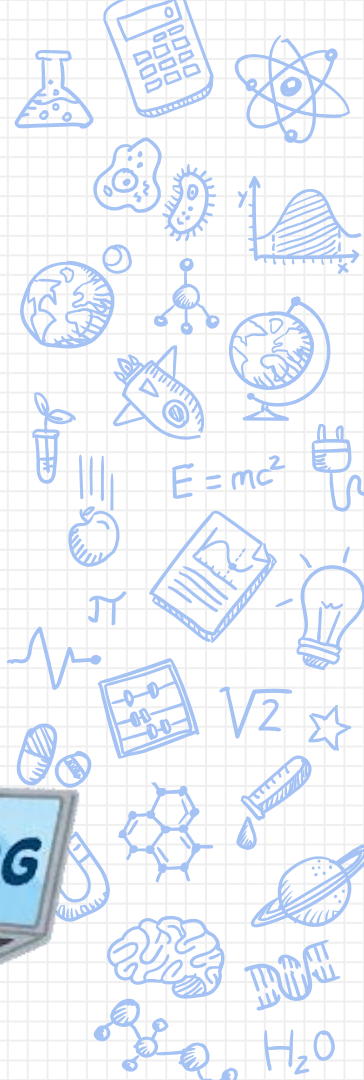
Company Overview .....	公司概覽	3
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## 相關教學文章

- Business Source Elite (BSE) 商業管理資料庫檢索實例
  - <http://tul.blog.ntu.edu.tw/archives/26117>
- 利用Business Source Elite (BSE) 資料庫查詢公司資訊
  - <http://tul.blog.ntu.edu.tw/archives/26232>
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## ITIS智網

國內產業報告

X ITIS智網為經濟部技術處產業技術基磐研究與知識服務計畫所規劃建置的產業知識服務平台。服務內容包含**產業報告**、**產業評析**、**產業簡報**、**進出口資料庫**、**產銷存資料庫**等。

來源

X 匯集工研院產科國際所、資策會產業情報研究所、金屬工業研究發展中心、生物技術開發中心、食品工業發展研究所、紡織產業綜合研究所等單位的研究成果。

產業類別

X 研究領域涵蓋**電子資訊**、**機械金屬**、**化學民生**、**生技醫藥**、**新興能源**。

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台灣進出口商品排行分析

☒ 年趨勢：2020 ~ 2020

☐ 季趨勢：2021 Q2 ~ 2021

☐ 月趨勢：2021 7 ~ 2021

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☒ 進口

☐ 出口

商品碼：2碼

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時間別

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查詢

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關鍵字：

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查詢

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[回商品分類導覽](#)

商品碼	中文名稱	英文名稱	更新日期
48189000103	紙製口罩	Masks, of paper	2005/10/01
63079050106	結構材料製口罩，過濾效率94%及以上者	Masks, filtering efficiency 94% or more, of textile materials	2014/01/08
63079050204	其他結構材料製口罩	Other masks, of textile materials	2005/10/01

# 台灣口罩進出口統計資料

首頁 ▸ 產業資料庫 ▸ 台灣進出口 ▸ 依商品統計 ▸ 查詢結果

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依商品統計  
依國別統計

## 中國進出口

## 香港進出口

## 美國進出口

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## 廠商資料庫

## 產銷存

## 產銷資料

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維修指引

依商品統計：

時間： [月統計] 2021/01 ~ 2021/07

商品： 總和

### 【商品統計表】

(金額單位：新台幣仟元重量單位：KGM、數量單位：PCE)

時間	進口金額	進口重量	進口數量	出口金額	出口重量	出口數量	查詢分項
2021/01	2,642.7	3,596.0	2,415,180.0	650.5	2,753.0	21,864.0	國家別
2021/02	956.7	3,556.0	3,000,360.0	1,211.9	4,153.0	49,444.0	國家別
2021/03	3,533.3	3,957.0	3,602,746.0	620.5	2,381.0	23,516.0	國家別
2021/04	1,324.7	3,786.0	3,004,703.0	573.4	4,091.0	47,717.0	國家別
2021/05	995.0	3,281.0	1,804,051.0	654.8	2,378.0		
2021/06	2,967.5	1,327.0	712,885.0	763.2	3,546.0		
2021/07	8,208.7	1,662.0	502,616.0	741.9	3,541.0		
合計	20,628.6	21,165.0	15,042,541.0	5,216.2	22,843.0		

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(Excel檔案)

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Step 1. 選擇圖表類型：

☒ 直條圖

☐ 橫條圖

☐ 直條堆疊圖

☐ 橫條堆疊圖

☐ 折線圖

☐ 區域圖

Step 2. 分析圖表類別：

☐ 進口趨勢圖表

☐ 進出口分析圖表

☐ 出口趨勢圖表

## 台灣口罩進出口統計圖表

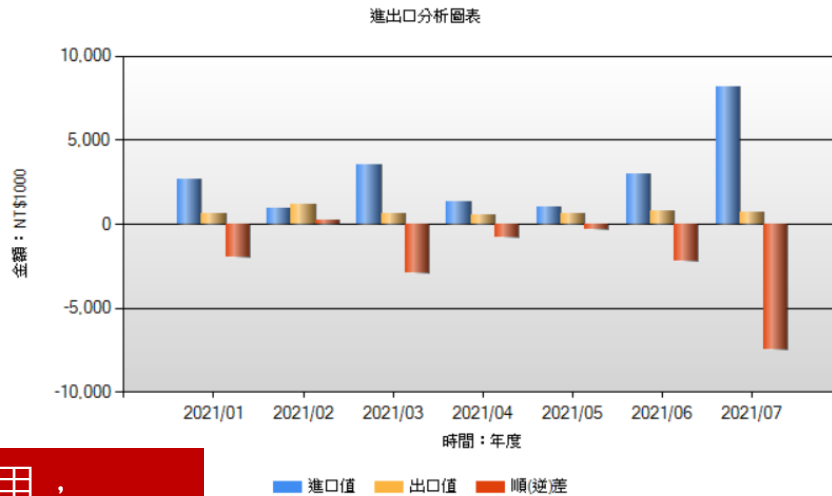
### 台灣進出口 依商品統計：

時間： [月統計] 2021/01 ~ 2021/07

(48189000103)紙製口罩, (63079050106)紡織材料製口罩, 過濾效果94%及以上者, (63079050204)

商品： 其他紡織材料製口罩, (63079090206)其他紡織材料製口罩, (90200030002)防塵口罩, 具有機械零件或可更換過濾器者

(金額單位：新台幣仟元)



如需引用，  
請標註資料來源

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資料來源：  
ITIS智網  
產業資料庫

## 2. 經濟數據、open data

## 研究資料

在研究計畫執行的過程中產生，用於驗證、重建分析研究結果或現象之紀錄事實性材料，為研究的重要基礎。

所有的資料都可能成為研究資料，了解資料成為研究資料的時間點，較研究定義重要

- 資訊可能成為研究資料：如輿情
- 研究資料可能是他人的資訊：如文本

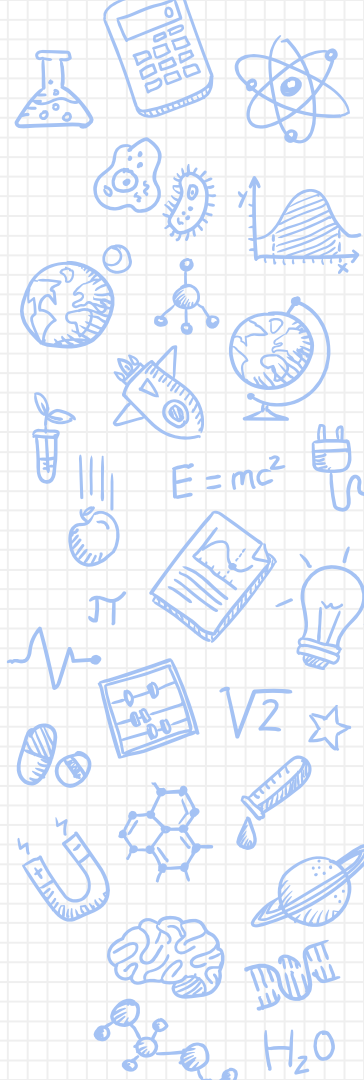
研究資料是科學研究的基礎，近年來，資料導向的研究更倚賴大量，難以獨立蒐集的資料集。





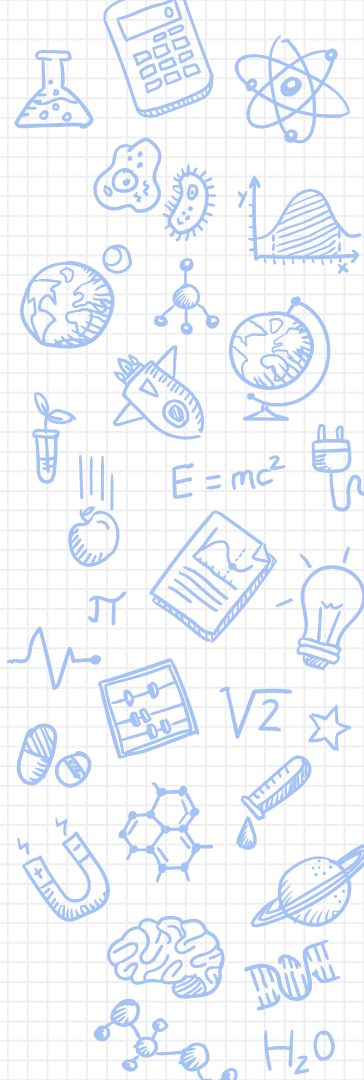
## 開放政府資料

政府機關將業務上所產製或蒐集的原始資料數位化，且經過整理分類以及內容結構化之後釋出，讓公眾、非營利組織、企業等透過網際網路搜尋，如經由政府資料開放平台等，由網路下載或應用程式介面介接，以取得所需或感興趣的資料集，再分析使用之。



## 開放研究資料

符合“開放資料”定義之“研究資料”，即研究者將在研究計畫執行的過程中產生，用於驗證、重建、分析研究結果或現象之紀錄事實性材料，有計畫地，透過典藏平台公開給予其他研究者再用，以提升研究影響力、驗證與重現研究、增進學界合作、降低重複研究、測試或實驗並回饋社會。



## OECD iLibrary

OECD關心的是全球經濟成長，以及跨國政府間的經濟合作與發展，迄今已有37個國家成為OECD會員國，成立任務為：(1)監督及指導政策；(2)分析與建議方向；(3)討論與執行。由此可知，OECD是以調查社會經濟狀況為第一要務，出版品只是附屬產品，而他們產出的調查報告都是屬於第一手研究(First Hand Research)，由OECD內部的各組專家共同撰寫，發展至今極具規模。

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December 2021



PRELIMINARY VERSION

## What's New?

### OECD Economic Outlook, Volume 2021 Issue 2 - *Preliminary version*

The global recovery from the COVID-19 pandemic is uneven and becoming imbalanced. The newest edition highlights the continued benefits of vaccinations and strong policy support for the global economy, but also points to the risks and policy challenges arising from supply constraints and rising inflation pressures.

[MORE...](#)

## Coming Soon

**Quarterly National Accounts, Volume 2021 Issue 3**

---

**National Accounts of OECD Countries, Financial Balance Sheets 2021**

---

**National Accounts of OECD Countries, Financial Accounts 2021**

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## Statistics

Featured on this page

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### Search Statistics

Search statistics

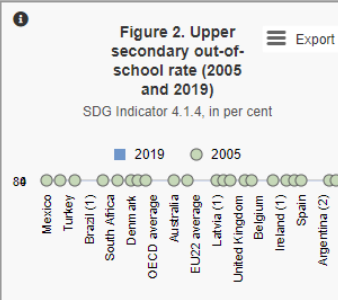
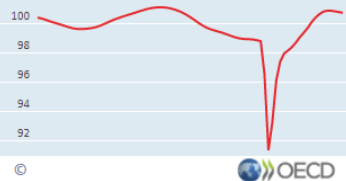
Discover **COVID-19 Data Insights**

### Featured Content

#### Composite leading indicator (CLI)

Amplitude adjusted, Long-term average

= 100, May 2015 – Nov 2021



#### Quarterly National Accounts

1 212 968	1 221 432	1 231 242	1 236 051
469 142	466 774	468 143	466 527
552 837	555 303	559 108	562 763
1 721 008	1 738 059	1 743 736	1 748 979
438 466	444 935	447 031	420 582
677 136	684 458	688 685	695 440
96 187	97 407	97 596	98 815
405 981	409 172	411 416	414 004
306 320	308 115	309 040	309 272
44 826	45 092	45 428	45 605
251 934	254 018	253 864	253 123
2 907 239	2 923 392	2 925 223	2 915 678
(P) Δ 184 740	(P) Δ 162 137	(P) Δ 181 249	(P) Δ 178 158

### Databases

Extract data from across datasets

[International Trade by Commodity Statistics](#)[Main Economic Indicators](#)[OECD Agriculture Statistics](#)[OECD Economic Outlook: Statistics and Projections](#)[OECD Statistics on International Trade in Services](#)[OECD Statistics on Measuring Globalisation](#)[OECD Statistics on Trade in Value Added](#)[OECD Tax Statistics](#)

## Databases

Extract data from across datasets

International Trade by Commodity Statistics

Main Economic Indicators

OECD Agriculture Statistics

OECD Economic Outlook: Statistics and Projections

OECD Education Statistics

OECD Employment and Labour Market Statistics

OECD Environment Statistics

OECD Statistics on International Trade in Services

OECD Statistics on Measuring Globalisation

OECD Statistics on Trade in Value Added

OECD Tax Statistics

OECD Telecommunications and Internet Statistics

OECD Tourism Statistics

OECD.Stat

## Indicators

Country statistical profiles

Agricultural output

Agricultural policy

Air and climate

Benefits and wages

Biodiversity

Broadband access

Conversion rates

Industry

Inequality

Information and communication technology (ICT)

Insurance

Interest rates

International student assessment (PISA)

International trade

## Statistical Series

African Central Government Debt

Consumption Tax Trends

Education at a Glance

Environment at a Glance

Geographical Distribution of Financial Flows to Developing Countries

Health at a Glance

Health at a Glance: Europe

OECD Insurance Statistics

OECD International Development Statistics

OECD International Direct Investment Statistics

OECD Labour Force Statistics

OECD Pensions at a Glance









OECD Quarterly International Trade Statistics

OECD Regions and Cities at a Glance



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- ☆ Agricultural support estimates 
  - ☆ > Reference tables  DATA
  - ☆ > Commodity indicators  DATA
- ☆ > Environmental performance of agriculture - nutrients balances  DATA
- ☆ > Environmental performance of agriculture - indicators  DATA
- ☆ Fisheries 
- ☆ Patents in fisheries-related technologies 

## OECD Agriculture Statistics

eISSN: 2074-4048 DOI: [10.1787/agc-data-en](https://doi.org/10.1787/agc-data-en)

Agricultural support estimates

### Select data

OECD-FAO Agricultural Outlook (Edition 2024)

### Agricultural support estimates

#### Reference tables

##### Reference tables

Total Support Estimate (TSE)

Producer Support Estimate (PSE)

Composition of Producer Support Estimate

Characteristics of producer policy support

General Services Support Estimate (GSSE)

Composition of General Services Support Estimate

Consumer Support Estimate (CSE)

Contribution to change in Producer Support Estimate by country, 2019 to 2020

Contribution of Budgetary Payments to change in Producer Support Estimate by country, 2019 to 2020

Contribution to change in Border Price by country, 2019 to 2020

Commodity indicators

Environmental performance of agriculture - nutrients balances

Environmental performance of agriculture - indicators

Fisheries

Patents in fisheries-related technologies

Archive 2020

Archive 2019

Archive 2018

Archive 2017

### Reference tables

Customise Export My Queries Cite this database

Selection...

Layout

Table options

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## FAO

聯合國糧食及農業組織的統計資料庫，有近3百萬的時間序列記錄，涵蓋210國家和領土的農業、營養、漁業、林業、糧食援助、土地使用和人口的統計資訊。也包括農產品貿易資料。



Food and Agriculture Organization  
of the United Nations

ENGLISH

About FAO

News

Multimedia

Main topics

Statistics

Member Countries

Publications

In focus

## Tackling environmental issues, together

FAO and GEF are addressing the world's environmental challenges

ENHANCED BY Google

### Highlights



### Director-General





Data

Selected Indicators

Compare Data

Definitions and Standards

FAQ



Search an Indicator or Commodity

About FAO

News

Statistics



Data collection



Data dissemination



Methods and standards



Statistical capacity  
development



## Selected Indicators

### COUNTRIES

#### A

Afghanistan  
Albania  
Algeria  
Angola  
Antigua and Barbuda  
Argentina  
Armenia  
Australia  
Austria  
Azerbaijan

#### B

Bahamas  
Bahrain  
Bangladesh  
Barbados  
Belarus  
Belgium  
Belgium-Luxembourg

#### E

Ecuador  
Egypt  
El Salvador  
Equatorial Guinea  
Eritrea  
Estonia  
Eswatini  
Ethiopia  
Ethiopia PDR

#### F

Faroe Islands  
Fiji  
Finland  
France  
French Guyana  
French Polynesia

#### G

#### L

Lao People's Democratic Republic  
Latvia  
Lebanon  
Lesotho  
Liberia  
Libya  
Lithuania  
Luxembourg

#### M

Madagascar  
Malawi  
Malaysia  
Maldives  
Mali  
Malta  
Marshall Islands  
Martinique  
Mauritania  
Mauritius

#### S

Saint Kitts and Nevis  
Saint Lucia  
Saint Vincent and the Grenadines  
Samoa  
Sao Tome and Principe  
Saudi Arabia  
Senegal  
Serbia  
Serbia and Montenegro  
Seychelles  
Sierra Leone  
Singapore  
Slovakia  
Slovenia  
Solomon Islands  
Somalia  
South Africa  
South Sudan  
Spain  
Sri Lanka



Data

Selected Indicators

Compare Data

Definitions and Standards

FAQ



Search an Indicator or Commodity

## Lithuania

## SELECTED INDICATORS

## Topics

Demographics

Inputs

Hunger and food insecurity

Food availability

Food access

Food utilization

Land

Economic and political stability

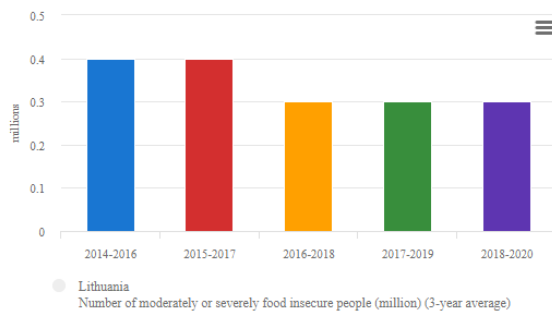
Production

Emissions

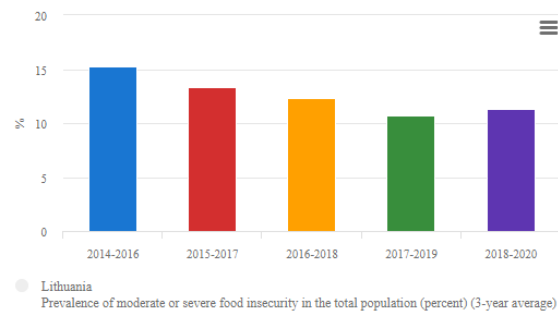


The designations employed and  
FAO concerning the legal or cons  
declared its independence on Ju  
situation up to 2011 for the form

Number of moderately and severely food insecure people (million) (3-y...

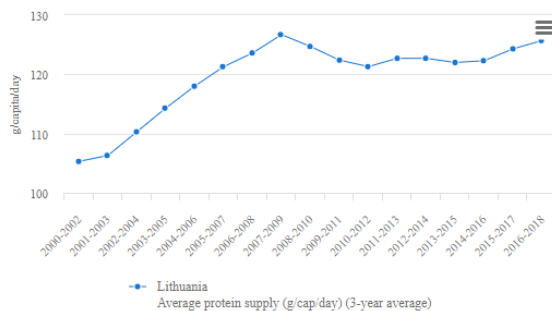


Prevalence of moderate and severe food insecurity (%) (3-year average)

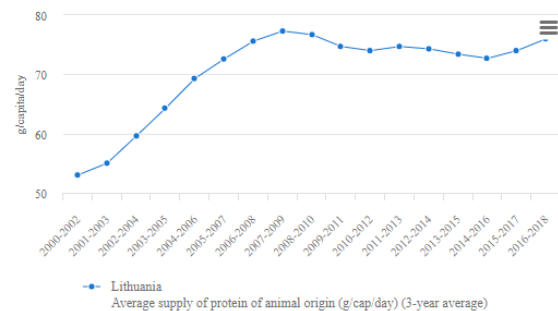


## Food availability

Average protein supply (g/capita/day) (3-year average)



Average supply of protein of animal origin (g/capita/day) (3-year average)



## 政府統計資訊 DATA.GOV.TAIWAN

政府資料開放平臺  
DATA.GOV.TW

網站導覽



EN

客服小幫手

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會員登入

資料集 ▾ 資料故事館 ▾ 互動專區 ▾ 消息專區 ▾ 諮詢小組 授權條款 關於平臺 ▾

請輸入關鍵字



進階搜尋

重設

熱門關鍵字：口罩、藥局、郵局

### 資料集服務分類



生育保健



出生及收養



求學及進修



服兵役



求職及就業



開創事業



婚姻



投資理財



休閒旅遊



交通及通訊



就醫



購屋及遷徙



選舉及投票



生活安全及品質



退休



老年安養



生命禮儀



公共資訊

每日異動資料集

下載每日異動資料

1 勞工服務中心服務件數－按地區分

勞工服務中心服務件數－按地區分資料

熱門資料集 ②

查看全部

1 上市公司每月營業收入彙總表

上市公司每月營業收入彙總表(證交所)



查詢台灣上市公司、上櫃公司及公開發行公司之資訊

包含公司基本資料、財務報表、營運概況、公司治理、重大新聞等資訊

# 公開資訊觀測站

全站搜尋

請輸入公司代號、簡稱，或報表關鍵字

搜尋

常用 營收 除權息 電子書 法說會 庫藏股 董監持股 獨立董事 董監酬金 ETF TDR

常用報表 基本資料 彙總報表 股東會及股利 公司治理 財務報表 重大訊息與公告 營運概況 投資專區 認購(售)權證 債券 資產證券化

財務比較點通

券商對媒體轉載之澄清或說明專區

月營收資訊查詢

XBRL資訊平台

外國企業第一上市櫃專區

重大訊息查詢

財務重點專區

公告 即時重大訊息 最新資訊 TDR即時重大訊息

請選擇市場別：☒ 所有公司 ☐ 上市公司 ☐ 上櫃公司 ☐ 興櫃公司 ☐ 公開發行公司

公司代號	公司簡稱	發言日期	發言時間	主旨
5880	合庫金	110/12/09	16:52:08	公告本公司暨主要子公司110年11月份自結.....
3059	華晶科	110/12/09	16:51:46	本公司註銷限制員工權利新股113,400股.....
8104	錄寶	110/12/09	16:48:02	(更正)係因本公司有債證券於集中交易市場.....
6812	梭特	110/12/09	16:46:24	公告本公司受邀參加中國信託證券舉辦之興.....
3207	耀勝	110/12/09	16:44:12	本公司與韓國YONGIN Electronics Co., Lt.....
3702	大聯大	110/12/09	16:40:30	公告本公司110年11月份自結合併營收
6291	沛亨	110/12/09	16:39:56	代子公司西伯(股)公司公告更換會計師事務.....
2338	光罩	110/12/09	16:39:13	公告本公司取得機器設備之相關資料

今日總覽

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臺灣證券交易所簽約資訊公司亦提供相關資訊

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12	13	14	15	16
19	20	21	22	23
26	27	28	29	31

相關連結

- 基本市況報導
- 申請上市資訊
- 國內外相關網站

RSS

- 重大訊息 XM
- 股東會 XM
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## 主計總處統計專區

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[輪播各圖片說明與連結](#)

## 最新指標

	經濟成長率(yoy)(%)	4.15	111年預測
	消費者物價指數年增率(%)	2.84	110年11月
	失業率(%)	3.83	110年10月
	工業及服務業每人每月經常性薪資(元)	43,378	110年9月
	工業生產指數年增率(%)	11.25	110年10月
	外銷訂單(百萬美元)	59,101	110年10月
	進口年增率(%)	33.8	110年11月
	出口年增率(%)	30.2	110年11月
	人口數(期底)(人)	23,413,879	110年10月
	外匯存底(期底)(十億美元)	547.33	110年11月
	景氣領先指標不含趨勢指數(點)	103.79	110年10月
	來臺旅客人次(人次)	14,107	110年10月

來臺旅客人次



## 最新訊息

[RSS](#)

110-12-09	金管會	110年10月份信用卡、現金卡及電子支付機構業務資訊信用卡業務市場現況
110-12-07	財政部	110年11月海關進出口貿易初步統計
110-12-07	金管會	國內上市(櫃)公司110年第3季海外及大陸投資情形

[指定統計調查專區](#)[傳媒專區](#)[統計調查受訪者專區](#)[統計發布時間表](#)[重要統計事項變更](#)[政府統計調查填報](#)[本月辦理統計調查總覽](#)[統計法制與標準分類](#)

## 全國統計資料

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行政院主計總處建置

找資料

找問卷

找著作書目

找站內

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熱門查詢詞：台灣社會變遷基本調查 青少年 家庭收支調查 台灣教育長期追蹤資料庫 社會科學研究中心

(人社中心)

## 資料類型瀏覽

- ▶ 長期主題型調查
- ▶ 長期追蹤調查
- ▶ 政府調查
- ▶ 個別型計畫

## 學門分類瀏覽

- ▶ 社會科學領域
- ▶ 管理學領域
- ▶ 人文學領域
- ▶ 生物及醫農科學領域

## 活動

查詢領域數據

### 摘要

二十一世紀是知識經濟時代，知識管理成為企業單位中最關心的議題，而在整個圖書資訊專業領域中，工商圖書館員受到最大的衝擊。本研究探討服務於我國2000大企業的圖書資料單位之館員的工作環境與任務角色，除彙整各館基本資料外，並針對館員的工作環境與角色變遷相關問題，做進一步的調查與分析。

### 關鍵字

工作環境、工商圖書館、工商圖書館員、角色變遷、知識管理  
Corporate Librarians, Corporate Libraries, Knowledge Management

## 中研院建置

### 資料版本用途

第一次釋出日期

2003-12-09

最新釋出日期

2003-12-09

資料版本說明

用途別

研究用、碩博士論文、課業練習、教學用

取得方式

一般會員、院內會員直接下載

語言

中文

### 文件瀏覽下載 (中文)

資料使用說明

E90064.pdf

問卷

E90064q.pdf

報告書

E90064r.pdf

典藏長期主題、追蹤調查研究資料、個別研究或其他政府調查資料

資料主題以社會科學、人文管理學為主。

收錄國內學研、政府或民間機構、個人建置之資料庫，輔以部分國際或特定領域重要平台

## H42管理二 [123]

**關鍵字:** 詞彙 語意分析

中央研究院人文社會科學研究中心調查研究專題中心 (99)  
國家圖書館 (50)  
中央研究院歷史語言研究所 (38)  
經濟部 (38)  
大緯資訊股份有限公司 (31)  
國家教育研究院 (30)  
教育部 (29)  
行政院主計總處 (29)  
國立台灣文學館 (27)  
立法院國會圖書館 (27)  
...更多內容

期刊 (107) 日治時期 (85) 臺灣史  
(64) 名錄 (58) 臺灣文學 (56) 臺灣原  
住民 (50) 地理資訊系統 (49) 報紙  
(49) 大學 (44) 傳記 (42) 史料 (42)  
教材 (42) 學位論文 (36) 貿易商 (36)  
佛教 (34) 學術研究 (34) 臺灣研究  
(34) 手稿 (32) 古籍 (31) 檔案 (31)  
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查詢領域數據

# Where the world builds software

Millions of developers and companies build, ship, and maintain their software on GitHub—the largest and most advanced development platform in the world.

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Repositories

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Fortune 100

Repositories	98K
Code	?
Commits	153K
Issues	260K
Discussions	1K
Packages	171
Marketplace	12
Topics	765
Wikis	15K
Users	11K

Languages	
Java	36,908
JavaScript	6,762
Python	6,273
Shell	2,813
C#	2,338
HTML	2,310
PHP	1,494
Kotlin	1,474
C++	1,467
mcfuncon	1,373

## Minecraft

Minecraft is a sandbox video game.

[See topic](#)

軟體原始碼代管服務平台

98,383 repository results

Sort: Best match

[MinecraftForge/MinecraftForge](#)

Modifications to the **Minecraft** base files to assist in compatibility between mods.

[Java](#) [minecraft](#) [forge](#) [mod](#)

☆ 5.1k [Java](#) Updated 4 hours ago 4 issues need help

[fogleman/Minecraft](#)

Simple **Minecraft**-inspired program using Python and Pyglet

☆ 4.7k [Python](#) MIT license Updated on 2 Jun

[itzg/docker-minecraft-server](#)

Docker image that provides a **Minecraft** Server that will automatically download selected version at startup

[minecraft-server](#) [docker-image](#) [dockerfiles](#)

☆ 3.5k [Shell](#) Apache-2.0 license Updated 3 days ago 2 issues need help

[TheGreyGhost/MinecraftByExample](#)

Working sample code for the basic concepts in **Minecraft** and Forge.

☆ 1k [Java](#) Updated on 16 Apr

[overviewer/Minecraft-Overviewer](#)

Render high-resolution maps of a **Minecraft** world with a Leaflet powered interface

☆ 2.8k [Python](#) GPL-3.0 license Updated 7 hours ago 2 issues need help



# Google Dataset Search

Google

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Coronavirus (Covid-19) Data in the United States

github.com  
www.nytimes.com

CSV



Coronavirus Disease (COVID-19) - the data

ourworldindata.org

CSV

D

Coronavirus (COVID-19) Case Counts

data.world

csv, zip

更新日期: Dec 4, 2021

H

Novel Coronavirus (COVID-19) Cases Data

data.humdata.org  
datasetguide.com

csv

更新日期: Dec 7, 2021



Coronavirus (Covid-19) Data in the United States

前往以下網頁探索: [github.com](https://github.com)

前往以下網頁探索: [www.nytimes.com](https://www.nytimes.com)

CSV

資料集提供者

[The New York Times](#)

授權

<https://github.com/nytimes/covid-19-data/blob/master/LICENSE>

說明

The New York Times is releasing a series of data files with cumulative counts of coronavirus governments and health departments in an attempt to provide a complete record of the on

Since late January, The Times has tracked cases of coronavirus in real time as they were id of the outbreak.

We have used this data to power our [maps](#) and [reporting](#) tracking the outbreak, and it is no access to the data to better understand the outbreak.

The data begins with the first reported coronavirus case in Washington State on Jan. 21, 20

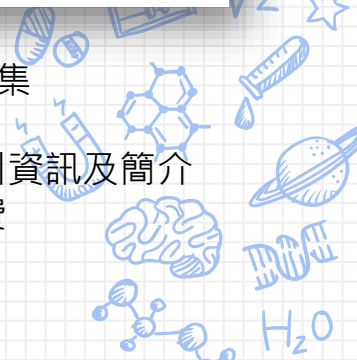
## Dataset Search

試試 [coronavirus covid-19](#) 或 [education outcomes site:data.gov](#).

[進一步瞭解資料集搜尋。](#)

整合查詢 各公私單位之資料集

- 包含研究資料、政府資料
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- 取得完整資料集可能須付費
- 提供後分類篩選功能





## Open data Network

# OPEN DATA NETWORK

Publish data and share. Find data and build. Answer

physical inactivity rate Cuyaho

整合查詢美國政府資料為主，輔以研究資料及其他國家或國際組織資料。

整合各國政府、學校研究機構、非營利組織或公司之公開資料集，如NASA、地方政府調查統、地方政府調查統計資料、鐵路公司等。計資料、鐵路公司等。

Found 731 datasets for "vaccines"

COVID-19 Vaccine Distribution Allocations by Jurisdiction - Janssen  
[data.cdc.gov](https://data.cdc.gov) | Last Updated 2021-05-05T13:29:32.000Z

New weekly allocations of doses are posted every Tuesday. Beginning the following Thursday, ordering doses from that week's new allocation of 2nd doses. After doses are ordered by state on Sundays, at the appropriate interval two or three weeks later according to the manufacture Vaccinations began on December 14, 2020. <https://www.hhs.gov/coronavirus/covid-19-vaccine>  
<https://data.cdc.gov/Vaccinations/COVID-19-Vaccine-Distribution-Allocations-by-juris/b7pe-5nv>

COVID-19 Vaccinations in the United States, County  
[data.cdc.gov](https://data.cdc.gov) | Last Updated 2021-12-09T19:42:36.000Z

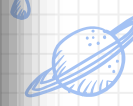
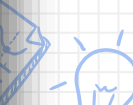
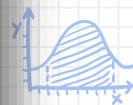
Overall US COVID-19 Vaccine administration and vaccine equity data at county level. Data represent Resources and Services Administration partner sites, and federal entity facilities.

COVID-19 Vaccine Distribution Allocations by Jurisdiction - Pfizer  
[data.cdc.gov](https://data.cdc.gov) | Last Updated 2021-06-17T12:52:14.000Z

New weekly allocations of doses are posted every Tuesday. Beginning the following Thursday, ordering doses from that week's new allocation of 2nd doses. After doses are ordered by state on Sundays, at the appropriate interval two or three weeks later according to the manufacture Vaccinations began on December 14, 2020. <https://www.hhs.gov/coronavirus/covid-19-vaccine>  
<https://data.cdc.gov/Vaccinations/COVID-19-Vaccine-Distribution-Allocations-by-juris/w9zu-fyw>

CoVP: COVID Vaccine Distribution Data  
[data.ct.gov](https://data.ct.gov) | Last Updated 2021-12-02T20:13:56.924Z

COVID-19 Vaccine Distribution Allocations by Jurisdiction - Moderna  
[data.cdc.gov](https://data.cdc.gov) | Last Updated 2021-06-17T12:52:51.000Z





### 3. 專利資訊

## 專利資訊的特性

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- X** 專利 (Patent) 是對**發明、實用新型、及新式樣**經申請並通過審查後所授予的一種權利。
- X** 專利內容是**研究技術實務面的重要參考資訊**，這些技術關鍵不容易在期刊或其他文獻類型中找到。可能是私人公司的研發或是沒有發表在期刊或研討會的研究成果
- X** 透過查詢專利資訊，可以幫助學術或是企業了解那些研發成果可以申請專利、**快速學習相關技術、避免侵害他人專利且協助撰寫專利說明書**。





## 查詢專利與專利分析

### 專利說明書的欄位

- X 專利號碼**
- X 專利權人：**是擁有專利權的人,大多為申請人。可能是個人也可能是機構,如: 公司、學校或政府機關等,
- X 專利發明人：**是指實際做出一項發明的個人，大多數的專利申請文件中會有發明人的姓名和地址，而根據發明人和申請人的地址可以確定發明人和權利人的國家，這可以反映專利申請初期的知識產權狀況。在OECD中也是衡量知識經濟的一個指標。
- X 專利分類號：**CPC全稱為Cooperative Patent Classification，由美國專利商標局（USPTO）與歐洲專利局（EPO）簽署協議合作開發，



美國USPTO



歐洲EPO



中國SIPO



韓國KIPRIS



日本JPO



臺灣TIPO



專利資訊與  
它們的產地

各國專利  
官方網站



世界WIPO





臺灣

吸管

查詢

說明

檢索去重 階層檢索

資料庫

全部 (75,739)

本國公開 (1,192)

本國公告 (3,050)

本國設計 (197)

大陸公開 (23,241)

大陸公告 (41,588)

大陸設計 (6,346)

WIPO (PCT) (117)

其他公告 (8)

結果分析

檢索結果：共 75,739 篇，第 1/7,574 頁，每頁 10 篇

本頁：[v] [x] 本次：[v] [x] (0) [加入標記清單] [回查詢] [檢索及顯示設定] [友善列印] [圖表] [圖表]

檢索條件：口罩

序號	主要圖式	申請日	公開/公告日	申請號	公開/公告號	
<input type="checkbox"/> 1		2021/01/22	2021/11/16	TW110102447	TW202142270	光觸媒單元及具備該光觸媒單元的口罩 PHOTOCATALYTIC UNIT AND MASK H
<input type="checkbox"/> 2		2020/05/11	2021/11/16	TW109115601	TW202142138	口罩的可更換薄片之定位結構
<input type="checkbox"/> 3		2020/05/11	2021/11/16	TW109115569	TW202142285	防護標材密封固定載具
<input type="checkbox"/> 4		2020/04/30	2021/11/16	TW109114593	TW202142394	口罩 MASK
<input type="checkbox"/> 5		2020/04/23	2021/11/16	TW109113571	TW202142268	抗菌抗空污掛掛裝置 AN ANTIBACTERIAL AND ANTI-AIR PO

202142270



(19)中華民國智慧財產局

(12)發明說明書公開本

(11)公開編號：TW 202142270 A

(43)公開日：中華民國 110 (2021) 年 11 月 16 日

(21)申請案號：110102447

(22)申請日：中華民國 110 (2021) 年 01 月 22 日

(51)Int. Cl.:

A61L9/18 (2006.01)

A61L9/20 (2006.01)

B01J35/04 (2006.01)

B01D46/52 (2006.01)

(30)優先權：2020/01/24 日本

2020-009694

2020/12/18 日本

2020-210179

(71)申請人：日商先技精工（日本）有限公司（日本）APS JAPAN CO., LTD. (JP)

日本

(72)發明人：渡邊輝夫 WATANABE, TERUO (JP)；渡邊秀滿 WATANABE, HIDEMITSU (JP)；

渡邊泰之 WATANABE, HIROYUKI (JP)；渡邊剛文 WATANABE, TAKAFUMI

(JP)；山口雅夫 YAMAGUCHI, MASAO (JP)

(74)代理人：林志剛

申請實體審查：無 申請專利範圍項數：13 項 圖式數：25 共 64 頁

(54)名稱

光觸媒單元及具備該光觸媒單元的口罩

(57)摘要

[課題] 提供一種光觸媒單元，是由光觸媒過濾器及光照射部所構成的光觸媒單元，可以效率佳地將紫外線照射在光觸媒並可以提高由光觸媒所產生的流體淨化作用，可薄型、小型化，流路構造的設計自由度也高。

[技術內容] 光觸媒載體(3)，是具有在表面載持有光觸媒的複數翼片板部(41)，這些複數翼片板部(41)是從通過流體通過路(10)的流體承受壓力而旋轉的翼片輪(4)，光照射部(5)，是從比翼片輪(4)的翼片板部(41)更外側的規定位置將光照射在該翼片輪(4)的旋轉的翼片板部(41)地設置。

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Patent #: US011200770

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1



US011200770B2

## (12) United States Patent Hubbard et al.

(10) Patent No.: US 11,200,770 B2  
(45) Date of Patent: Dec. 14, 2021

(54) FUNCTIONAL CONTROL AND AGE  
VERIFICATION OF ELECTRONIC DEVICES  
THROUGH VISUAL COMMUNICATION

(58) Field of Classification Search  
CPC ..... A24F 47/008; G07C 9/32  
See application file for complete search history.

(71) Applicant: RAI Strategic Holdings, Inc.,  
Winston-Salem, NC (US)

### (56) References Cited

#### U.S. PATENT DOCUMENTS

(72) Inventors: Sawyer Hubbard, Winston-Salem, NC  
(US); Charles A. Lyles,  
Winston-Salem, NC (US); Vince  
Ireland, Winston-Salem, NC (US);  
Sean Daugherty, Winston-Salem, NC  
(US); Sean Lukan, Winston-Salem, NC  
(US); Jared Aller, Winston-Salem, NC  
(US)

2003/0218533 A1\* 11/2003 Flick ..... G07C 9/00182  
340/5.22  
2015/0181945 A1\* 7/2015 Tremblay ..... A24F 47/008  
131/328  
2016/0143361 A1 5/2016 Bernard et al.  
4/2017 Taylor ..... G07C 9/00182  
2017/0103595 A1\* 4/2017 Davis ..... H04W 12/0802  
2017/0103647 A1\* 1/2018 Rainer et al.  
2018/0020720 A1 2/2019 Wang ..... H04B 10/502  
2019/0066417 A1\* 6/2019 Khalifa ..... G06F 21/44  
2019/0197225 A1\* 1/2021 Anderson ..... G06K 19/06037

(73) Assignee: RAI Strategic Holdings, Inc.,  
Winston-Salem, NC (US)

#### FOREIGN PATENT DOCUMENTS

(\*) Notice: Subject to any disclaimer, the term of this  
patent is extended or adjusted under 35  
U.S.C. 154(b) by 0 days.

GB 2522395 A 7/2015

\* cited by examiner

(21) Appl. No.: 16/441,937

Primary Examiner — Nabil H Syed

(22) Filed: Jun. 14, 2019

(74) Attorney, Agent, or Firm — Burr & Forman, LLP

(65) Prior Publication Data

US 2020/0315261 A1 Oct. 8, 2020

Related U.S. Application Data

(60) Provisional application No. 62/828,222, filed on Apr.  
22, 2019.

### (57) ABSTRACT

An aerosol delivery or electronic nicotine delivery systems  
("ENDS") device may include smoking articles that produce  
aerosol. The device may operate upon authentication. The  
authentication may first include an age verification before an  
authentication allows for operation of the device. The  
authentication may include a control signal communication

歐洲



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1. >

☆ **US4985021A** Safety enclosure system for medical devices

Patent Translate ▾ ⋮

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**Applicants**

STRAW JEFF [US] +

**Inventors**

STRAW JEFF [US]; SYLKE C THOMAS [US] +

**Classifications**

IPC

**A61M5/32**; (IPC1-7): A61M5/32;

CPC

**A61M5/3243 (EP,US)**; A61M2005/3247 (EP,US); A61M5/3257 (EP,US);

**Priorities**

US30425689A·1989-01-31

**Application**

US30425689A·1989-01-31

**Publication**

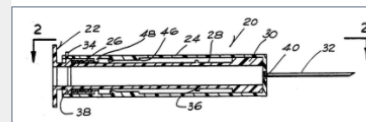
**US4985021A**·1991-01-15

**Published as**

**US4985021A**



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韓國

Patent

Design

Trademark

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- ☒ Withdrawn
- ☒ Ended
- ☒ Abandoned
- ☒ Invalidated
- ☒ Rejected
- ☒ Registered

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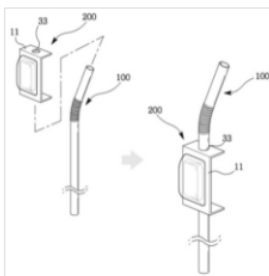
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☐ Ended [1] Straw with Container(수납부가 구비된 스트로)

PUB



Application No.(Date) : 2020050027286 (2005.09.22)

IPC : A47G 21/18

Applicant : TMIONTEK CO., LTD.

Right holder(current) : 홍윤경

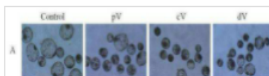
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Abstract (Machine Translation)

The present invention has the effect that the chewing gum, which is the content stored in the storage unit which is the beverage equipped as the invention relating to the straw in which the storage unit which comprises the straw body in the straw, for the beverage, and the storage unit equipped in one side side of the straw body is equipped using the exposing one's thoughts in case the taking medicine to the stool in itself of the refinement (tablet) form the vitamin compound etc. can be conveniently taken. The straw body the storage unit the connecting rod the cut-out part the edge part the supporting

☐ Registered [2] Paste an embryo in the vitrification straw(스트로우 내벽에 배아를 부착하는 부착성 스트로우 유리화 동결법)

PUB



Application No.(Date) : 1020120125289 (2012.11.07)

IPC : A01N 1/02 C12N 5/073 C12N 15/87

Applicant : INDUSTRY-ACADEMIC COOPERATION FOUNDATION GYEONGSANG NAT

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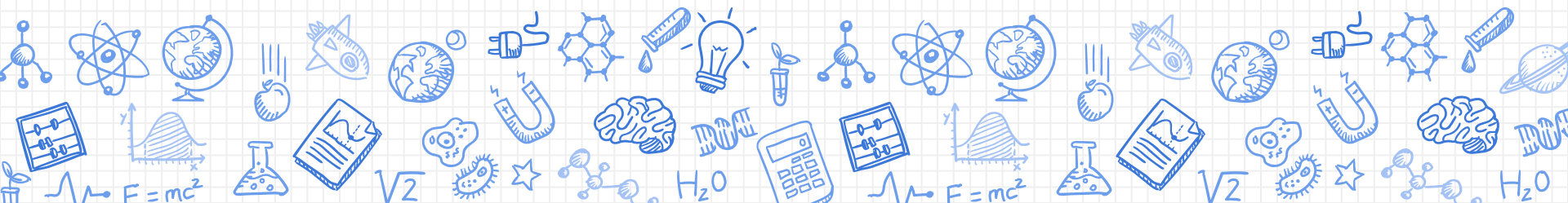
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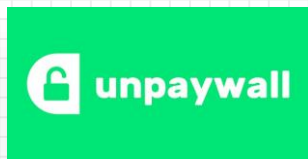
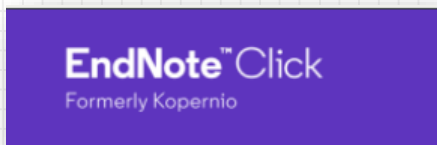
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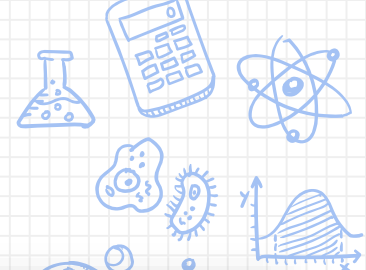
投稿屢屢碰壁，沒有找到合適主題的期刊？善用選刊工具，可讓文章適得其所，讓投稿事半功倍。除了選刊遇到瓶頸，投稿階段是否碰到一知半解的名詞「開放取用(Open Access, OA)」？究竟開放取用與投稿有何關聯，選擇開放取用發表文章有什麼優勢，為何能讓學術履歷加分，增加文章曝光度，進而提升影響力？而投稿的世界還有「掠奪型期刊」虎視眈眈，謹記口訣「停、看、聽、記」，避免誤觸學術詐騙陷阱。

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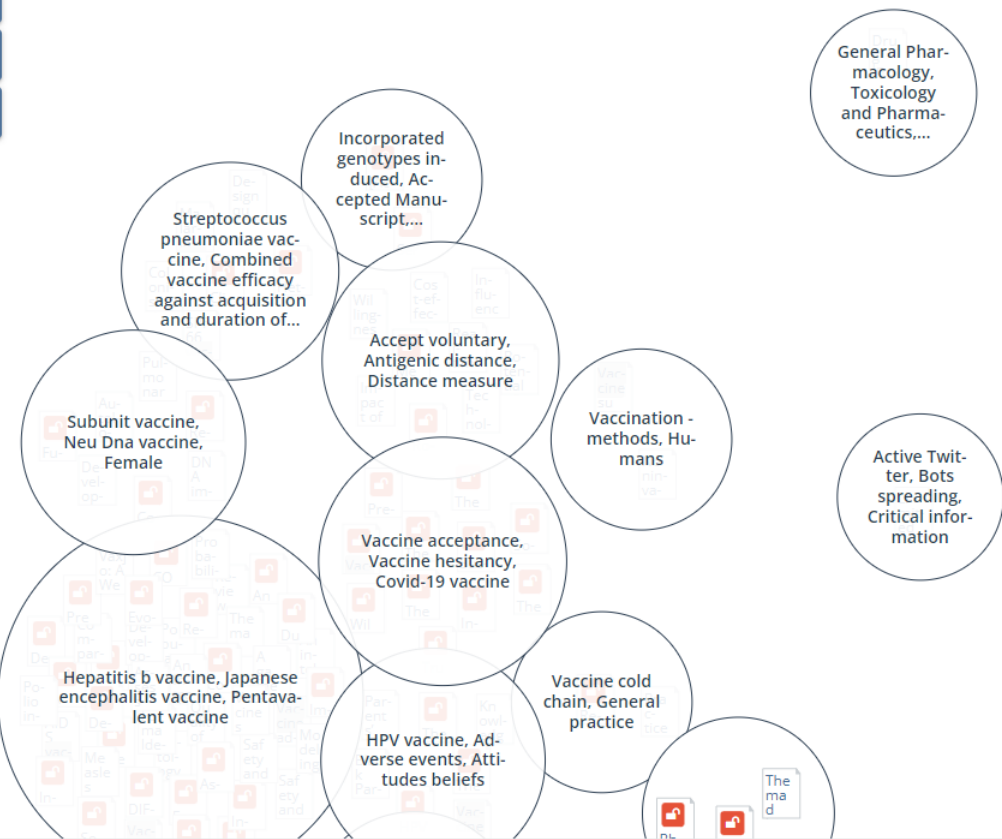
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### Common Vaccinations in Infants and Children- A Brief Review

Edwin Dias, Anusha Dias, Abith Baburaj in *International Journal of Health Sciences and Pharmacy* 3(2) 11 (2020-01-20)

[link]: <https://zenodo.org/record/3613403>

**ABSTRACT** There is an increasing worldwide realization that immunization uptake rates in children and infants are less than required for adequate control of vaccine preventable diseases. Vaccines consists of attenuated, inactivated or killed organisms...

**Area:** [Hepatitis b vaccine, Japanese encephalitis vaccine, Pentavalent vaccine](#)



### Vaccines

A Minhinick, M Wilkie, H McShane in *Symplectic Elements at Oxford / Scopus* (<http://www.scopus.com/home.url>) (2014)

[doi]: <https://doi.org/10.1016/B978-0-444-63407-8.00032-0>

The Side Effects of Drugs Annuals forms a series of volumes in which the adverse effects of drugs and adverse reactions to them are surveyed. The series supplements the contents of Meyler's Side Effects of Drugs: the International Encyclopedia of Adv...

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### Seropositivity to non-vaccine incorporated genotypes induced by the bivalent and quadrivalent HPV vaccines: A systematic review and meta-analysis.

SL Bissett, A Godi, M Jit, S Beddows (2017-06-17)

[link]: <http://researchonline.lshtm.ac.uk/3983656/>

Human papillomavirus vaccines have demonstrated remarkable efficacy against persistent infection and disease associated with vaccine-incorporated genotypes and a degree of efficacy against some genetically related, non-vaccine-incor...





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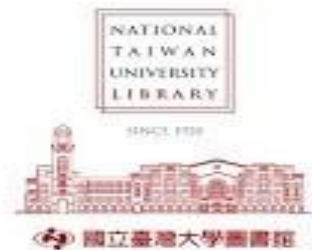


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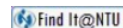
1 Curcumin: Recent Advances in the Development of Strategies to Improve Oral Bioavailability



Sanidad, KZ; Sukamtoh, E; (...); Zhang, GD

2019 | ANNUAL REVIEW OF FOOD SCIENCE AND TECHNOLOGY, VOL 10, pp.597-617

Substantial human and preclinical studies have shown that curcumin, a dietary compound from turmeric, has a variety of health-promoting effects including but not limited to antioxidant, antimicrobial, anti-inflammatory, and anticancer actions. However, curcumin has poor bioavailability, and high doses of curcumin are usually needed to exert its health-promoting effects in vivo, limiting its applications for disease prevention. [顯示更多](#)



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2 Nutrigenomics and Personalized Diets: What Will They Mean for Food?



German, JB; Zivkovic, AM; (...); Smilowitz, JT

2011 | ANNUAL REVIEW OF FOOD SCIENCE AND TECHNOLOGY, VOL 2, pp.97-123

The modern food system feeds six billion people with remarkable diversity, safety, and nutrition. Yet, the current rise in diet-related diseases is compromising health and devaluing many aspects of modern agriculture. Steps to increase the nutritional quality of individual foods will assist in personalizing health and in guiding individuals to achieve superior health. Nutrigenomics is the scientific field of the genetic basis ... [顯示更多](#)

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mRNA-based therapy for pr...

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年份

Suppression of RNA recognition by Toll-like receptors: the impact of nucleoside modification and the evolutionary origin of RNA

1299

2005

K Karikó, M Buckstein, H Ni, D Weissman  
Immunity 23 (2), 165-175

mRNA is an endogenous ligand for Toll-like receptor 3

1163

2004

K Karikó, H Ni, J Capodici, M Lamphier, D Weissman  
Journal of Biological Chemistry 279 (13), 12542-12550

mRNA-based therapeutics—developing a new class of drugs

1011

2014

U Sahin, K Karikó, O Türeci  
Nature reviews Drug discovery 13 (10), 759-780

Sequence- and target-independent angiogenesis suppression by siRNA via TLR3

998

2008

ME Kleinman, K Yamada, A Takeda, V Chandrasekaran, M Nozaki, ...  
Nature 452 (7187), 591-597

Incorporation of pseudouridine into mRNA yields superior nonimmunogenic vector with increased translational capacity and biological stability

860

2008

K Karikó, H Muramatsu, FA Welsh, J Ludwig, H Kato, S Akira, ...  
Molecular therapy 16 (11), 1833-1840

COVID-19 vaccine BNT162b1 elicits human antibody and TH 1 T cell responses

746

2020

U Sahin, A Muik, E Derhovanessian, I Vogler, LM Kranz, M Vormehr, ...  
Nature 586 (7830), 594-599

DICER1 deficit induces Alu RNA toxicity in age-related macular degeneration

588

2011

H Kaneko, S Dridi, V Tarallo, BD Gelfand, BJ Fowler, WG Cho, ...  
Nature 471 (7338), 325-330

Zika virus protection by a single low-dose nucleoside-modified mRNA vaccination

541

2017

N Pardi, MJ Hogan, RS Pelc, H Muramatsu, H Andersen, CR DeMaso, ...  
Nature 543 (7644), 248-251

Small interfering RNAs mediate sequence-independent gene suppression and induce immune

531

2004

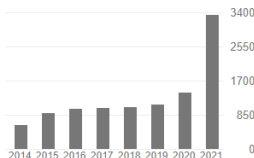
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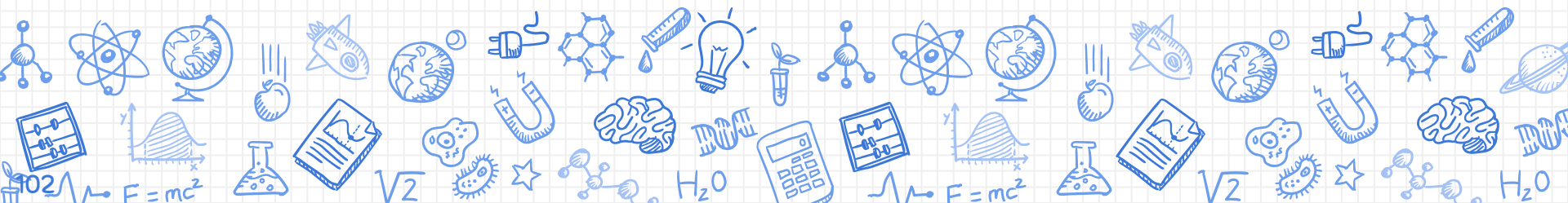
根據資金強制性政策

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
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# 研究資料 學習指南

## Research Data Learning Handbook

## RDMLA 課程



國立臺灣大學圖書館於2020年6月起與 Harvard Medical School、Harvard Library、Simmons University 等多個學術機構共同進行研究資料管理專業課程國際合作計畫 [Research Data Management Librarian Academy](#) (RDMLA)。目標透過內容架構完整以及自主學習的研究資料管理中文線上課程，促進臺灣及華語世界的學術研究人員、圖書館員對於研究資料管理及其服務的基礎認知與專業涵養。

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##### 研究資料管理 (RDM) 的基礎概念

Foundations of RDM

說明研究資料管理的關鍵概念，包括研究週期以及資料生命週期。針對資料生命週期的各個階段，提供研究者處理資料過程的概況，以及資訊專業

#### Unit 2

##### 研究文化導航

Navigating Research Culture

介紹不同研究生態及其RDM挑戰，並說明研究資料管理館員常見的參與模型以及可提供哪些解決方法。最後探索現今研究文化元素，尋求研究資料管理館員能為此研究文化做出貢獻及

#### Unit 3

##### 在圖書館提倡 RDM

Advocating for RDM in Libraries

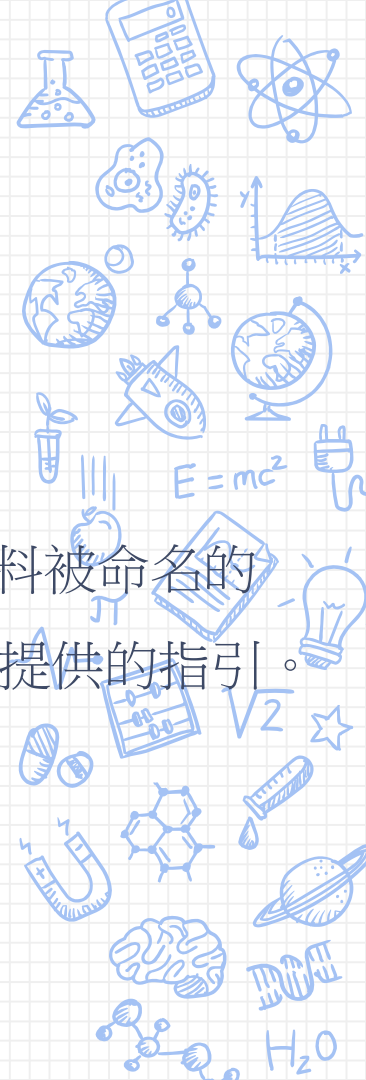
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#### Unit 4

##### 推行資料服務

Launching Data Services

本單元將處理在推行研究資料管理服務時需努力應對的機構特質與利害關係人等，並邀請專家分享在所屬機構中推行資料服務的經驗。最後，說明如何擬定所屬機構的推行服務計畫。



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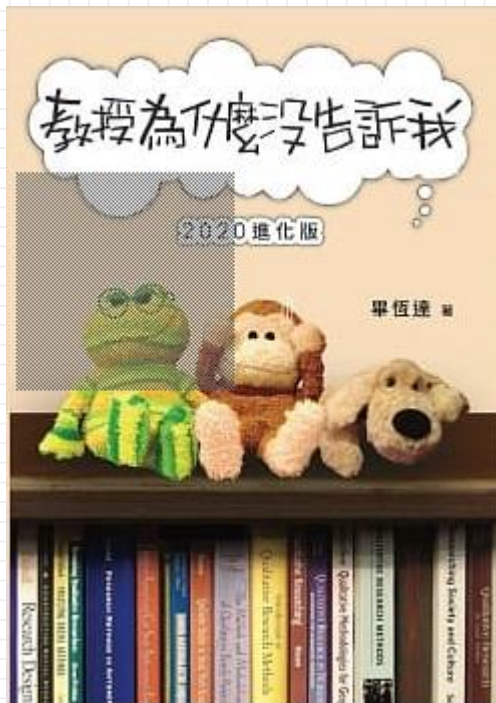
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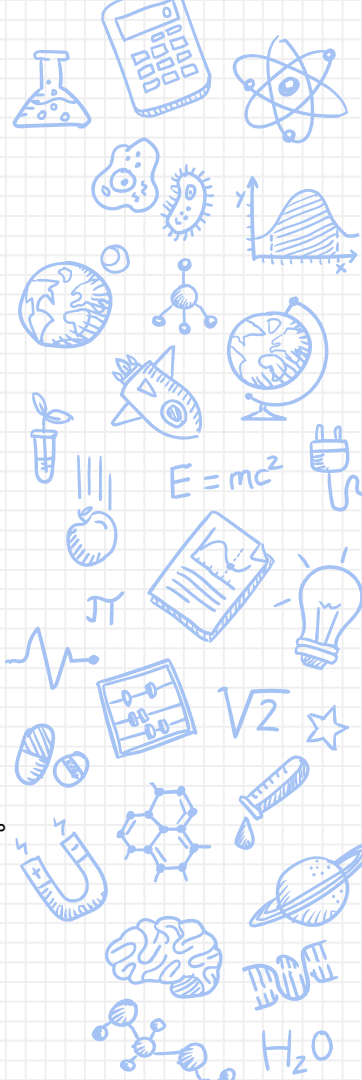
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