

---

The Global Standard for Business Research  
**wrds**

# 沃顿研究数据中心

**Erica Zhang**  
**2018.11.30**





36

Countries

- Australia
- Belgium
- Brazil
- Canada
- China
- Cyprus
- Denmark
- Finland
- France
- Germany
- India
- Israel
- Italy
- Japan
- Korea
- Lebanon
- Malaysia
- Netherlands
- New Zealand
- Norway
- Portugal
- Puerto Rico
- Singapore
- Spain
- Sweden
- Switzerland
- Taiwan
- Turkey
- United Kingdom
- United States

465

Academic, Government and Corporate Clients

Arwen Advisers, Compass Lexecon, Board of Governors of the Federal Reserve System, Harvard University, London Business School, Securities and Exchange Commission, Stanford University, University of Hong Kong, and many more.

50,000+

WRDS Users

"WRDS is the gold standard for a research and data platform and has been indispensable for my research. WRDS has been an important contributor to the development of empirical research in academic finance over the last decade. The professional and technical staff at WRDS are always a few steps ahead..."

**Robin Greenwood**  
Associate Professor  
Harvard Business School - Harvard University



# WRDS 在中国大陆、香港和台湾的用户

## 中国大陆

北大光华管理学院  
北大汇丰商学院  
长江商学院  
厦门大学  
上海高级金融学院  
上海财经大学  
清华大学  
香港中文大学（深圳校区）  
中国人民大学  
南方科技大学  
西南财经大学  
浙江大学  
宁波诺丁汉大学  
西交利物浦大学  
中山大学  
武汉大学  
上海对外经贸大学  
上海交通大学

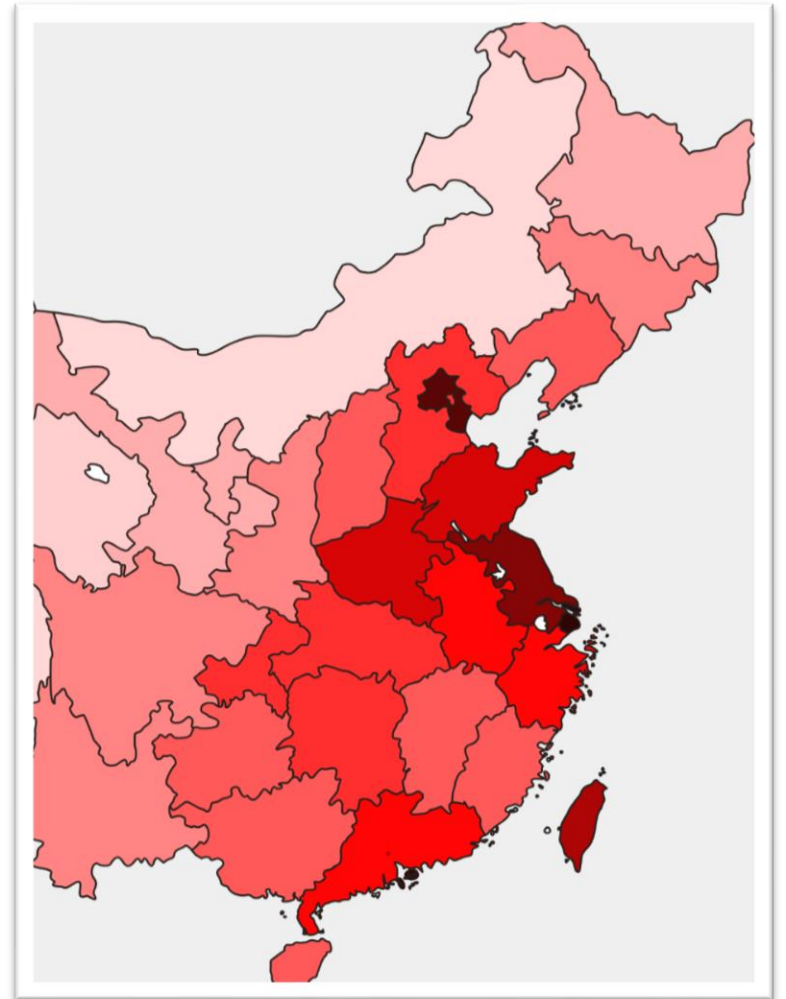
电子科技大学  
南开大学  
哈尔滨工业大学  
南京大学  
对外经贸大学

## 中国香港

香港浸会大学  
香港理工大学  
香港科技大学  
香港城市大学  
香港中文大学  
香港大学  
恒生管理学院  
岭南大学

## 中国台湾

国立政治大学  
国立交通大学  
国立台湾大学



---

# WRDS 概述

## 广泛的数据选择

- 跨学科财经数据：金融、会计、银行、经济、保险、营销、统计
- 实体管理和数据链接：例如：CRSP (股票价格) & COMPUSTAT (基本面)

## 以互联网为基础：灵活的投递和访问选择

WRDS提供多种访问数据的方式：

- 网络检索界面：易于使用、即点即得
- WRDS 云存储: Scalable High Performance Computing & Storage
- 通过PC SAS / SAS Studio到SAS访问
- 通过SAS SHARE的MATLAB / Python / R等访问

## 更多优势

- WRDS分析工具及WRDS课堂应用
- 专业技术及研究支持

# 海量数据库

## 一站式数据商场

- 60多家数据供应商
- 600多家整合数据组
- 250多TB字节

## 数据管理

- 获取和上载
- 保存和验证
- 融合和链接

## 跨学科数据

- 会计
- 金融
- 经济
- 财务报表分析
- 市场营销和战略
- 国际商务

## WRDS数据平台的数据样本

### Financial Statements

Bureau van Dijk: Amadeus, Bankscope, ISIS, and OSIRIS  
Capital IQ Compustat Fundamental  
Capital IQ Compustat North America Annual & Quarterly  
Capital IQ Compustat Global Fundamentals  
Capital IQ Compustat Segments  
Capital IQ Compustat Point-in-Time Fundamental  
CRSP CRSP Compustat Merged (CCM)  
Factset

### Stock Market Data

CRSP Stock Monthly & Daily  
Capital IQ Compustat EMDB  
Capital IQ Compustat North American Prices  
Capital IQ Compustat Global Prices  
London Share Price Data (LSPD)  
NYSE Euronext TAQ  
OptionMetrics  
Market Factors & Indices

### Earnings Forecast & Ratings

Thomson Reuters IBES  
S&P Ratings Express  
Zacks

### Fixed Income & Loan Data

CRSP Treasuries  
GOVPX  
Mergent Fisd and NAIC  
Thomson Reuters DealScan  
TRACE  
Markit CDS

### Corporate Governance

Capital IQ Compustat Execucomp  
Corporate Library  
RiskMetrics  
KLD

### Ownership Data

CRSP Mutual Funds  
HFR  
Thomson Reuters Insiders  
Thomson Reuters 13F  
Thomson Reuters Mutual Funds  
WRDS MFLINKS

### WRDS SEC Analytics Suite

WRDS SEC Filing  
WRDS CIK Linking Tables  
WRDS Filing Exhibits  
WRDS 8-K Items

### Other Databases

Global Insight Economics  
Global Insight Commodities  
Global Insight Market Indices  
Call Reports  
Bank Holding Company Reports

## 部分合作数据商



(即将上线)

---

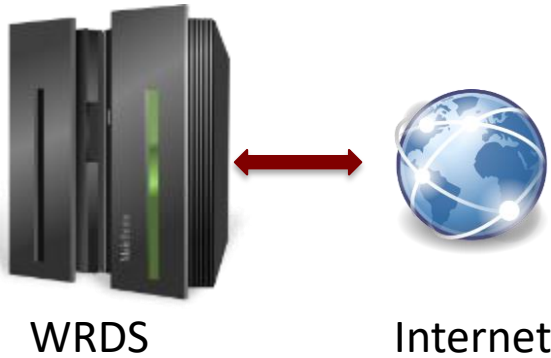
## 现有数据库 – 清华大学

- **Compustat**（标普资本智商）：全面的财务数据库，收录公司的营运及财务状况信息。数据库覆盖130个国家，超过92,000个上市/退市公司；超过113,343个证券，几乎涵盖超过97%的市值。财务数据回溯到1950年
- **CRSP**（美国芝加哥大学证券价格研究中心）：最全面的汇聚了纽约证券交易所、美国证券交易所及纳斯达克股市证券价格、回报和成交量系列数据。最早可回溯到1926年
- **ETF**：ETF基金
- **Option Metrics**（IvyDB US）：包含1996年以来所有美国交易所上市和纳斯达克股票和市场指数以及所有在美国上市的指数和股票期权的数据
- **Factset Revere**：公司网络关系信息，包括供应链关系和地理收入风险
- **BvD系列数据库**：Orbis Bank Focus, Osiris
- **TAQ**：包含NYSE, AMEX, NMS和SmallCap上市的所有证券的日内交易数据
- **Thomson Reuters**（汤森路透）：13f, Dealscan, IBES, Ownership

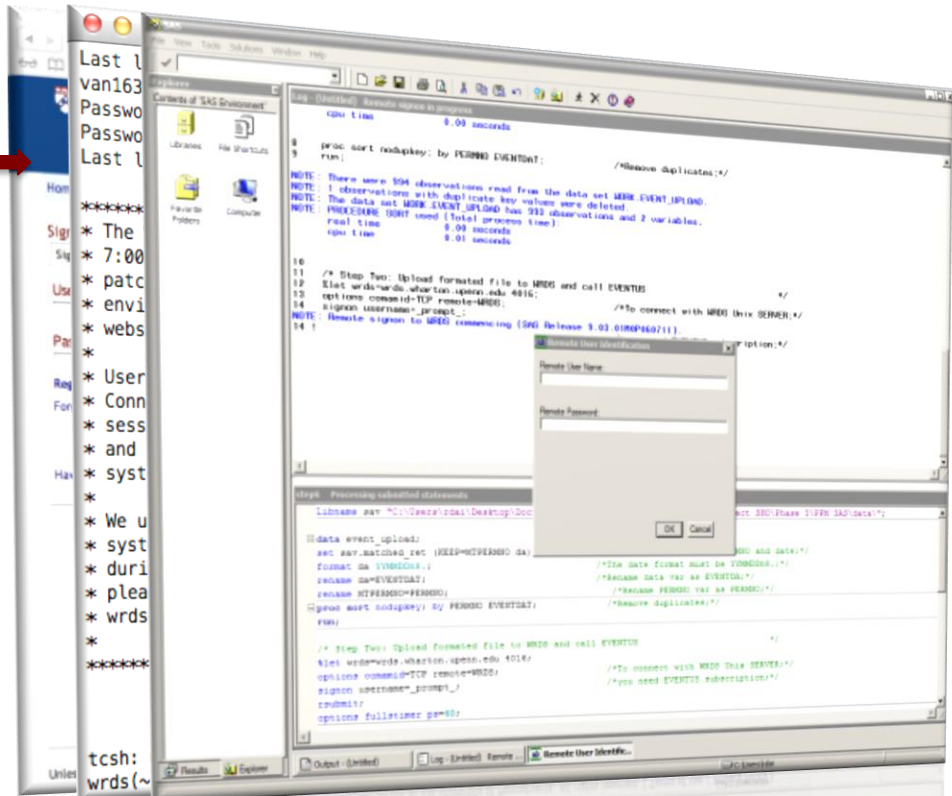
As of 11/28/2018



# 多种访问形式



- 网络检索：便捷的下载和搜索
- 云存储：大型数据操控
- 服务器：互动的界面 – PC SAS, R, MATLAB, Python
- 网上工作室：随时随地的编程平台 – SAS Studio, R Studio





# 更多访问选择



# 账号注册

## Sign In

[Sign In](#) [Register](#)

You must have an account to use WRDS.  
Please use the form below to request one. If you already have one and want to transfer it, [click here](#).

Institution   
[Institution not listed?](#)

Affiliation With Institution   
[What affiliation type should I use?](#)

First Name

Last Name

Email (assigned by your institution)

Department (optional)

Desired Username

## Welcome to WRDS!

Wharton Research Data Services (WRDS) is the award-winning research platform and business intelligence tool for over 40,000+ corporate, academic, government and nonprofit clients at over 400+ institutions in 30+ countries.

WRDS provides the user with one location to access over 250 terabytes of data across multiple disciplines including Accounting, Banking, Economics, Finance, ESG, and Statistics.

Flexible data delivery options include a powerful web query method that reduces research time, the WRDS Cloud for executing research and strategy development, and the WRDS client server using PCSAS, Matlab, Python and R.

Our Analytics team, doctoral-level support and rigorous data review and validation give clients the confidence to tailor research within complex databases and create a wide range of reliable data models.

WRDS provides access to S&P Capital IQ, CRSP, NYSE, Thomson Reuters, Bureau van Dijk, Global Insight, OptionMetrics and other important business research databases.

From partnerships with data vendors, to our own tools including the WRDS SEC Analytics Suite, WRDS Quant Alpha Platform and the Wharton School's OTIS - WRDS is the global gold standard in data management and research, all backed by the credibility and leadership of the Wharton School.

For additional information, please see the [About section](#).

[Connect with us on Facebook!](#)

# 初始帮助

Wharton Research Data Services (WRDS) website navigation. The 'Support' menu is highlighted in red. The 'GETTING STARTED' sub-menu is also highlighted in red.

GETTING STARTED	PROGRAMMING WITH WRDS	USING DATA	INFO
<a href="#">3 Ways to use WRDS</a>	<a href="#">SAS</a>	<a href="#">Dataset List</a>	<a href="#">Contact WRDS Support</a>
<a href="#">Account Types</a>	<a href="#">R</a>	<a href="#">Data Update Calendar</a>	<a href="#">Vendor Support &amp; Contact</a>
<a href="#">Library &amp; Lab Access</a>	<a href="#">Python</a>	<a href="#">Vendor Manuals and Overviews</a>	
<a href="#">Knowledgebase</a>	<a href="#">Stata</a>	<a href="#">All Data Articles</a> ↗	
<a href="#">All Getting Started Articles</a> ↗	<a href="#">Accessing WRDS Remotely</a> ↗		

[All Support](#) ↗


Wharton Research Data Services (WRDS) website navigation. The 'Classroom' menu is highlighted in red. The 'INTRO TO WRDS' sub-menu is also highlighted in red.

INTRO TO WRDS	ACCOUNTING	INVESTMENTS	SYLLABI
<a href="#">Getting Started</a>	<a href="#">Intro to Financial Statements</a>	<a href="#">Beta Visualization</a>	<a href="#">Accounting</a>
<a href="#">What Data is in WRDS?</a>	<a href="#">Income Statement</a>	<a href="#">Market and Firm-Specific Risk</a>	<a href="#">Finance</a>
<a href="#">Finding the Data</a>	<a href="#">Balance Sheet</a>	<a href="#">Portfolio Risk Over Time</a>	
<a href="#">Understanding Identifiers</a>	<a href="#">Statement of Cash Flows</a>	<a href="#">Mechanics of Diversification</a>	<a href="#">OTHER TOPICS</a>
<a href="#">Using SAS Studio</a>	<a href="#">Linking Financial Statements</a>	<a href="#">Portfolio Diversification</a>	<a href="#">Macroeconomics</a>
<a href="#">All Intro to WRDS</a> ↗	<a href="#">All Accounting</a> ↗	<a href="#">All Investments</a> ↗	<a href="#">SEC</a>
			<a href="#">Text Analytics</a>

[Full Catalog](#) ↗

# 网页检索

ADMINISTRATOR   VENDOR TOOLS   WRDS REP TOOLS   XIA'S ACCOUNT   LOGOUT

 **wrds** WHARTON RESEARCH DATA SERVICES

Search WRDS

Get Data   Analytics   Classroom   Research   Support

Home / Wharton Research Data Services

Your Subscriptions   Not Subscribed   Your Queries

» 2iQ	» Federal Reserve Bank	» OTC Markets
» American Hospital Association	» Financial Ratios Suite by WRDS	» PACAP
» AuditAnalytics	» FTSE/Russell	» Penn World Tables
» Bank Regulatory	» GovPX	» Peters and Taylor Total Q
» Beta Suite by WRDS	» GSIOnline	» PHLX
» Blockholders	» Hedge Fund Research (HFR)	» ProPublica
» BoardEx	» IBES	» Public
» Bureau van Dijk	» IHS Global Insight	» RavenPack News Analytics
» Calcbench	» IMS – SK&A	» RentBureau
» CBOE Indexes	» Infogroup	» RepRisk
» CENTRIS	» Institutional	» Research Quotient
» Clarivate Analytics		



Intraday Stock Indicators

New Data on WRDS

**Bureau van Dijk ORBIS** Access information on 40,700 banks (28,000 US and 12,700 Non-US).

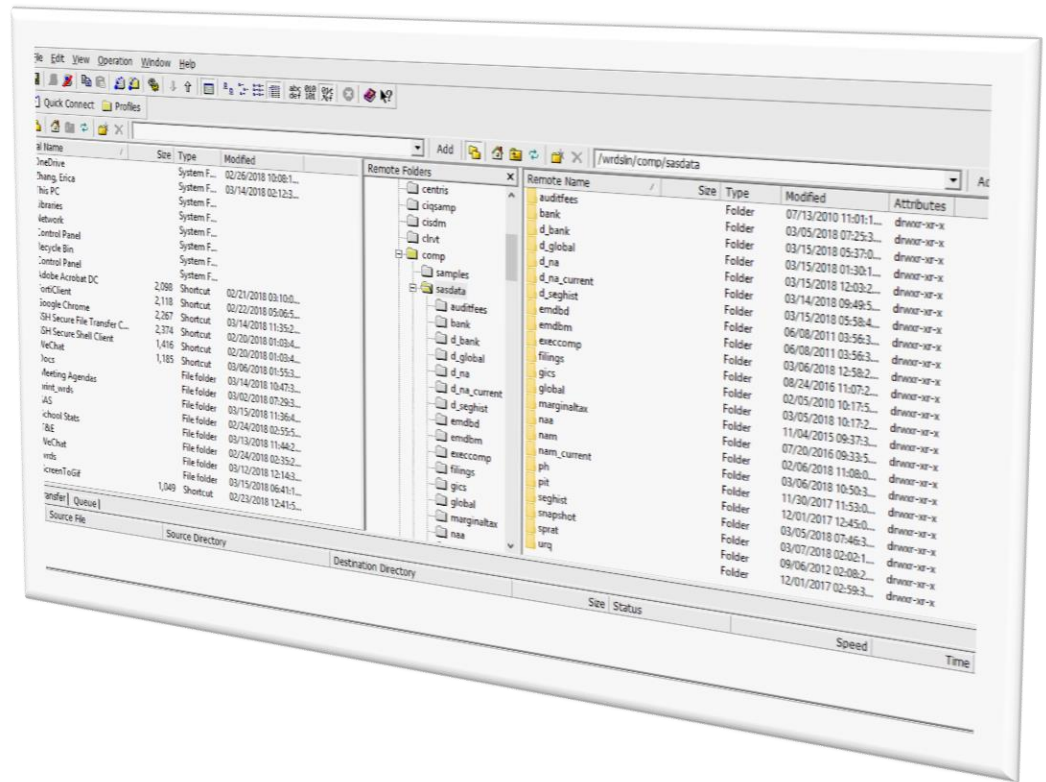
Data Coming Soon

[Toyo Keizai](#) Access the most comprehensive earnings information for all listed companies in Japan. Scheduled for release mid-May 2018.

**Cortellis-Clarivate Clinical Trials**

# SSH/SFTP

- 任意的SSH/SFTP的用户端
  - **Server:** wrds-cloud.Wharton.upenn.edu
  - **Username:** 网页登陆用户名
  - **Password:** 网页登陆密码
- 用途
  - 上传和下载任何格式的文档
  - 删除和建立文件和目录



<https://wrds-web.wharton.upenn.edu/wrds/support/Accessing%20and%20Manipulating%20the%20Data/002Unix%20Access/>

---

# PC SAS

- 通过在本地安装的**SAS**程序实现与**WRDS**的交互式程序设计和检索。实现远端主机处理、集合、保存资料
- 操作步骤：
  1. 链接：

```
%let wrds = wrds.wharton.upenn.edu 4016;  
options comamid = TCP remote = WRDS;  
signon username = _prompt_;
```
  2. 运行：

```
rsubmit;  
{Program}  
endrsubmit;
```
  3. 退出：

```
signoff;
```

[https://wrds-web.wharton.upenn.edu/wrds/support/Accessing%20and%20Manipulating%20the%20Data/\\_003PCSAS%20Connect/Using%20PC%20SAS%20CONNECT%20--%20Secure%20Port%20Configuration.cfm](https://wrds-web.wharton.upenn.edu/wrds/support/Accessing%20and%20Manipulating%20the%20Data/_003PCSAS%20Connect/Using%20PC%20SAS%20CONNECT%20--%20Secure%20Port%20Configuration.cfm)





# 更多软件支持，如R、Python、Stata、Matlab等

The screenshot shows the Wharton WRDS website navigation menu. The top navigation bar includes the Wharton University of Pennsylvania logo, the text 'wrds WHARTON RESEARCH DATA SERVICES', a search bar labeled 'Search WRDS', and several menu items: 'Get Data', 'Analytics', 'Classroom', 'Research', and 'Support'. Below this, a secondary navigation bar is visible, with a red box highlighting the 'PROGRAMMING WITH WRDS' section. This section lists the following items: SAS, R, Python, Stata, and Accessing WRDS Remotely. Other sections visible include 'GETTING STARTED' (with links like '3 Ways to use WRDS', 'Account Types', 'Library & Lab Access', 'Knowledgebase', and 'All Getting Started Articles') and 'USING DATA' (with links like 'Dataset List', 'Data Update Calendar', 'Vendor Manuals and Overviews', and 'All Data Articles'). The 'INFO' section includes 'Contact WRDS Support' and 'Vendor Support & Contact'. At the bottom of the navigation bar, there is a link for 'All Support'.

# Compustat: 示例 – 网络检索

Live Demo

Get Current Assets, Assets for Apple and Microsoft after 2012 January

**Step 1: Choose your date range.**  
[FormStep1](#)

Date Variable:  
Data Date

Date range  
2012-01 to 2018-09

**Step 2: Apply your company codes.**  
[FormStep2](#)

TIC  GVKEY  CUSIP  SIC  NAICS  CIK

Select an option for entering company codes

AAPL MSFT

Please enter Company codes separated by a space.  
Example: IBM MSFT DELL [ Code Lookup ]  
[company\\_codes](#)

assets

- ACDO -- Current Assets of Discontinued Operations
- ACO -- Current Assets Other Total
- ACODO -- Other Current Assets Excl Discontinued Operations
- ACOX -- Current Assets Other Sundry
- ACOXAR -- Current Assets - Other - Total As Reported
- ALDO -- Long-term Assets of Discontinued Operations
- AO -- Assets - Other
- AOCISECGL -- Accum Other Comp Inc - Unreal G/L Ret Int in Sec Assets

Selected  Clear All (4)

- Ticker Symbol
- Company Name
- ACT -- Current Assets - Total
- AT -- Assets - Total

# Compustat: 示例 – SAS Studio

Live Demo

Get Current Assets, Assets for Apple and Microsoft after 2012 January

The screenshot displays the SAS Studio interface. On the left is a navigation pane with 'Libraries' expanded to show various SAS datasets. The main window shows a SAS program in the 'CODE' tab. The program filters for assets from 2012 onwards for Apple (AAPL) and Microsoft (MSFT). The 'OUTPUT DATA' tab shows a table with 13 rows and 10 columns.

```
1 data test;
2 set comp.funda(keep=fyear TIC conm gvkey AT ACT consol indfmt datafmt popsrc);
3 where fyear >= 2012 and TIC in ('AAPL','MSFT')
4 and consol = 'C' and indfmt = 'INDL' and datafmt = 'STD' and popsrc = 'D';
5 run;
6
```

gvkey	fyear	indfmt	consol	popsrc	datafmt	tic	conm
001690	2012	INDL	C	D	STD	AAPL	APPLE INC
001690	2013	INDL	C	D	STD	AAPL	APPLE INC
001690	2014	INDL	C	D	STD	AAPL	APPLE INC
001690	2015	INDL	C	D	STD	AAPL	APPLE INC
001690	2016	INDL	C	D	STD	AAPL	APPLE INC
001690	2017	INDL	C	D	STD	AAPL	APPLE INC
012141	2012	INDL	C	D	STD	MSFT	MICROSOFT CORP
012141	2013	INDL	C	D	STD	MSFT	MICROSOFT CORP
012141	2014	INDL	C	D	STD	MSFT	MICROSOFT CORP
012141	2015	INDL	C	D	STD	MSFT	MICROSOFT CORP
012141	2016	INDL	C	D	STD	MSFT	MICROSOFT CORP
012141	2017	INDL	C	D	STD	MSFT	MICROSOFT CORP
012141	2018	INDL	C	D	STD	MSFT	MICROSOFT CORP

# WRDS科研工具（WRDS Analytics）

## WRDS Products

» [Beta Suite by WRDS](#)

» [Intraday Indicators by WRDS](#)

» [WRDS Bond Returns](#)

» [Efficient Frontier by WRDS](#)

» [Linking Suite by WRDS](#)

» [WRDS SEC Analytics Suite](#)

» [Event Study by WRDS](#)

» [Option Suite by WRDS](#)

» [Financial Ratios Suite by WRDS](#)

» [World Indices by WRDS](#)

- [事件研究](#)
- 日内交易数据库
- [公司财务比率](#)
- 债券收益
- 贝塔计算
- 美国证监会审批文件
- 跨数据库的链接与配对

# WRDS科研工具示例1：事件研究

Wharton wrds WHARTON RESEARCH DATA SERVICES

Search WRDS

Get Data Analytics Classroom Research Support

Home / Get Data / Event Study by WRDS / U.S. Daily Event Study: Events from Capital IQ [RESET : FNAV : FFORM]

Event Study by WRDS

Event Study by WRDS

U.S. Daily Event Study: Upload your own events

U.S. Daily Event Study: Events from Capital IQ

International Event Study (Compustat Global): Upload your own events

International Event Study (Compustat Global): Events from Capital IQ

International Event Study (Global Insight): Upload your own events

International Event Study (Global Insight): Events from Capital IQ

Intraday Second-by-Second Event Study: Upload your own events

Intraday Second-by-Second Event Study: Events from RavenPack

Long Run Event Study: Upload your own events

Query Form Variable Descriptions Manuals and Overviews Dataset List

## U.S. Daily Event Study: Events from Capital IQ

[alert](#)

Requires subscription to CRSP daily stock file (annual, quarterly, or monthly update frequency), Capital IQ Key Developments, and CRSP CCM.

[documentation](#)

**Step 1: Choose your date range.**

[FormStep1](#)

Announce Date: Announce Date

Date range

2010-01-01 to 2012-12-31

**Step 2: Please select type of event**

[FormStep2](#)

Event:

- Corporate Guidance - Lowered
- Corporate Guidance - New/Confirmed
- Corporate Guidance - Raised
- Corporate Guidance - Unusual Events
- Debt Defaults
- Debt Financing Related
- Delayed Earnings Announcements
- Delayed SEC Filings**
- Delistings
- Derivative/Other Instrument Offerings---Seller
- Derivative/Other Instrument Offerings---Target

**Step 3: Risk model:**

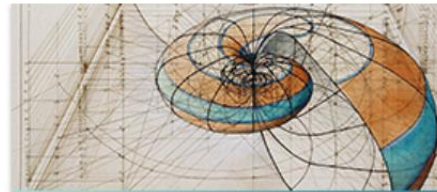
[FormStep3](#)

**Market-Adjusted Model**



## WRDS科研工具示例2：财务比率

- 超过70个提前预算的财务比率
  - 盈利能力
  - 偿债能力
  - 营运能力
  - 估值分析
- 公司层面 & 行业层面比率
- 数据来源：Compustat/CRSP/IBES
- 大量使用于公司金融和资本定价实证研究



### Financial Ratios: Firm Level

With the Financial Ratios: Firm Level tool you can access over 70 pre-calculated financial ratios for all U.S. companies across eight different categories.

- Calculates ratios most commonly used in accounting and finance research
- Monthly time series of financial ratios per company

[More →](#)



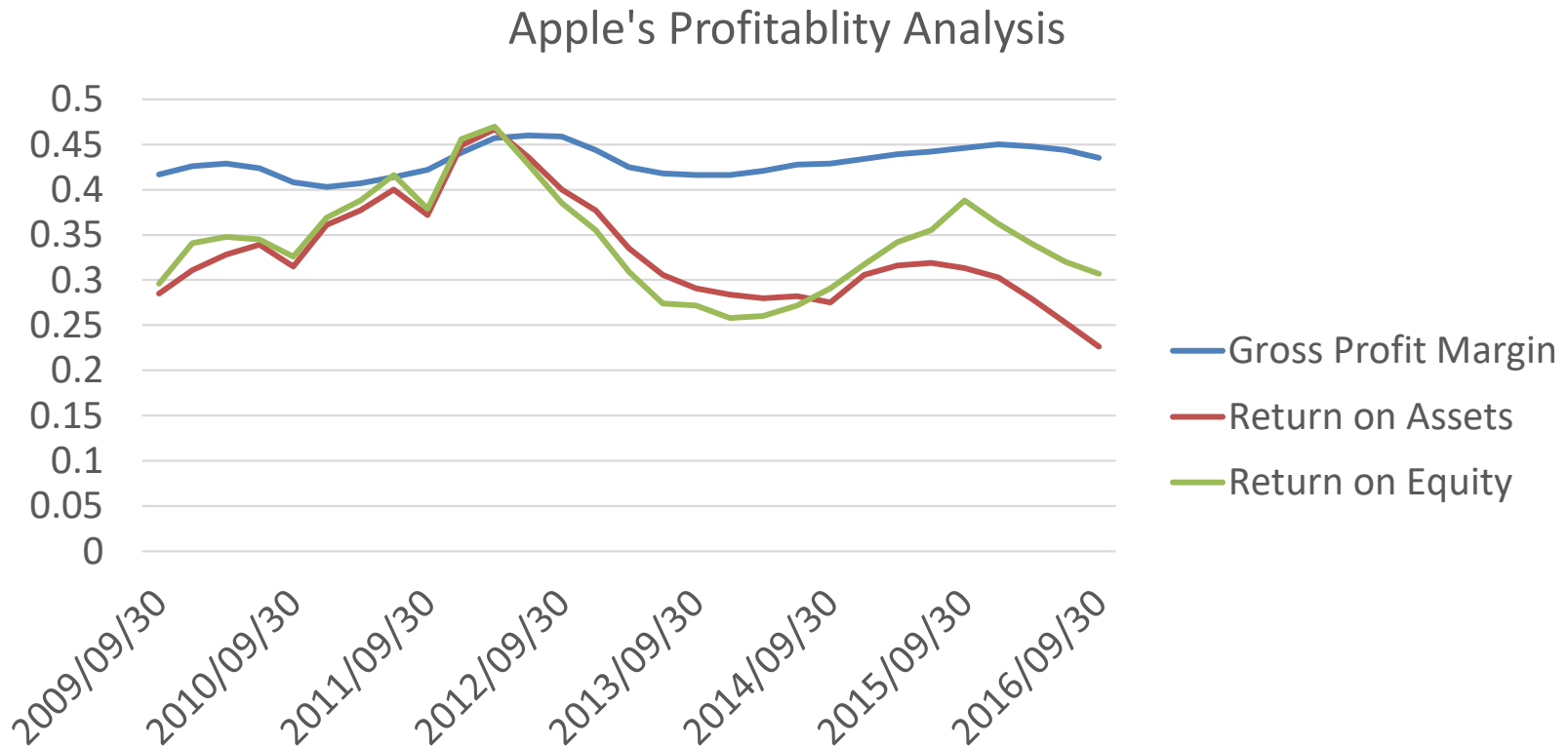
### Financial Ratios: Industry Level

This tool enables you to access over 70 pre-calculated financial ratios at industry or sector-level aggregation.

- Choose between universe of CRSP Common Stock or S&P 500 Index Constituents
- Use GICS Sectors or Fama-French Industries Classification

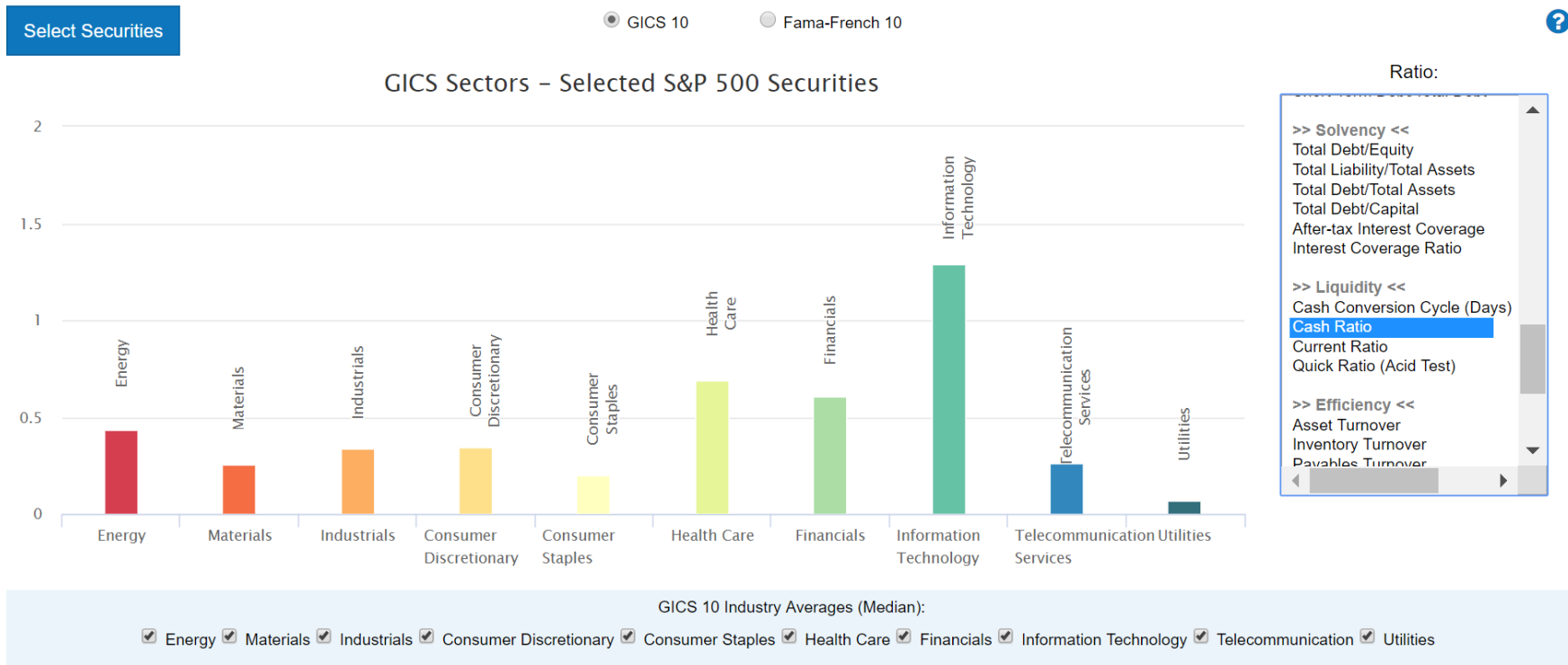
[More →](#)

## WRDS科研工具示例2：财务比率 – 公司层面











# WRDS科研工具示例2：财务比率 – 行业层面

## Financial Ratios



# WRDS课堂应用（WRDS Classroom）

**CLASSROOM TOOLS** BY TOPIC: [ALL TOPICS](#) [INVESTMENTS](#) [ACCOUNTING](#) [INTRODUCTION TO WRDS](#) [SEC](#) [SYLLABI](#)

			
<p><b>Backtester</b></p> <p>Backtesting is the process of testing an investment strategy over prior time periods by using historical data. The Backtester application is a simple backtester developed to reinforce academic investment concepts without the complexities and the costs of a commercial backtesting product.</p> <p style="text-align: right;"><a href="#">More »</a></p>	<p><b>Portfolio Optimization Interactive Platform</b></p> <p>Students will learn important concepts in diversification and portfolio optimization using a rich, interactive application.</p> <ul style="list-style-type: none"> <li>• Visualize the efficient frontier</li> <li>• Adjustable parameters</li> <li>• Stocks from the Dow 30</li> </ul> <p style="text-align: right;"><a href="#">More »</a></p>	<p><b>Wharton OTIS Trading Simulator</b></p> <p>Teach students the nuances of portfolio management and the impact of fluctuations on a large portfolio.</p> <ul style="list-style-type: none"> <li>• Manage a virtual portfolio of tradeable securities</li> <li>• Trade domestic and international stocks, bonds, ETFs, options, futures, and more</li> <li>• Review portfolio analytics</li> </ul> <p style="text-align: right;"><a href="#">More »</a></p>	<p><b>Balance Sheet</b></p> <p>Students learn the balance of assets and liabilities/equity. On-screen output includes such items as:</p> <ul style="list-style-type: none"> <li>• Cash and Short-Term Investments</li> <li>• Depreciation and Amortization</li> <li>• Accounts Payable</li> <li>• Total Shareholders' Equity</li> </ul> <p style="text-align: right;"><a href="#">More »</a></p>
			
<p><b>Income Statement</b></p> <p>Understand the structure of a company's profit and loss accounting</p>	<p><b>Cash Flow Statement</b></p> <p>Students learn the components of a company's Cash Flow statement.</p>	<p><b>GAAP Financial Statements</b></p> <p>View and validate the complete financial statements of a company for</p>	<p><b>Financial Statement Extract</b></p> <p>Students extract, organize, and validate standard corporate financial</p>

# WRDS教学工具示例1：财务报表入门

## Simplified Financial Statements

Ticker

(Limit of One Ticker per Query)

Begin Year

End Year

- Section
- Balance Sheet
  - Income Statement
  - Statement of Cash Flows
  - Complete Financial Statements

## Financial Statement for: BAIDU INC

Fiscal Years: 2014 to 2015

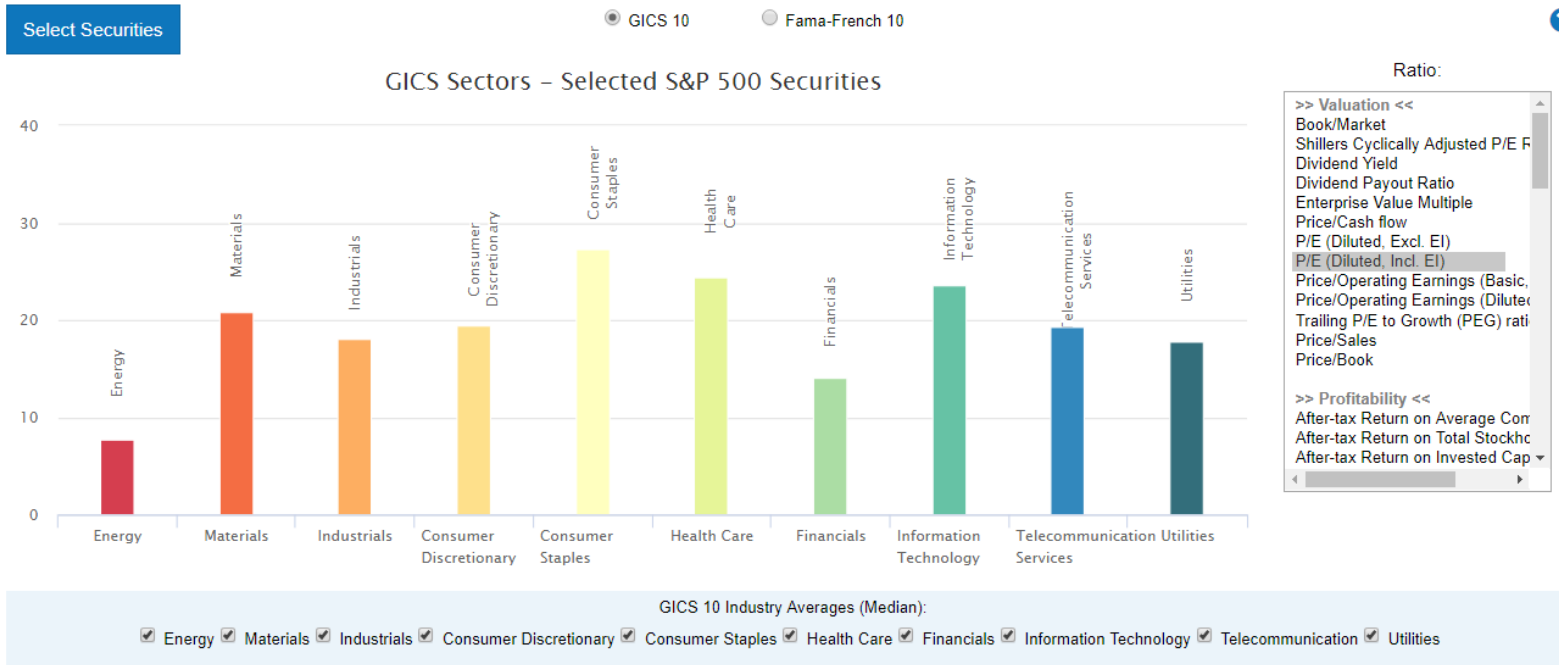
Numbers in millions USD

### BALANCE SHEET

	2014	2015
<b>ASSETS</b>		
Cash and Short-Term Investments	9,361.405	10,501.277
Cash	2,232.654	1,537.549
Short-Term Investments	7,128.751	8,963.728
Receivables	701.661	990.025
Receivables - Trade	590.602	606.264
Income Tax Refund	0.000	0.000
Current Receivables - Other	111.059	383.761
Inventories - Total	0.000	0.000
Inventories - Raw Materials	0.000	0.000
Inventories - Work in Process	0.000	0.000
Inventories - Finished Goods	0.000	0.000
Inventories - Other	0.000	0.000
Current Assets - Other	548.520	585.894
Prepaid Expense	317.477	354.450
Other Curr.Asst, Excl.Ppd.Exp.	231.043	231.444

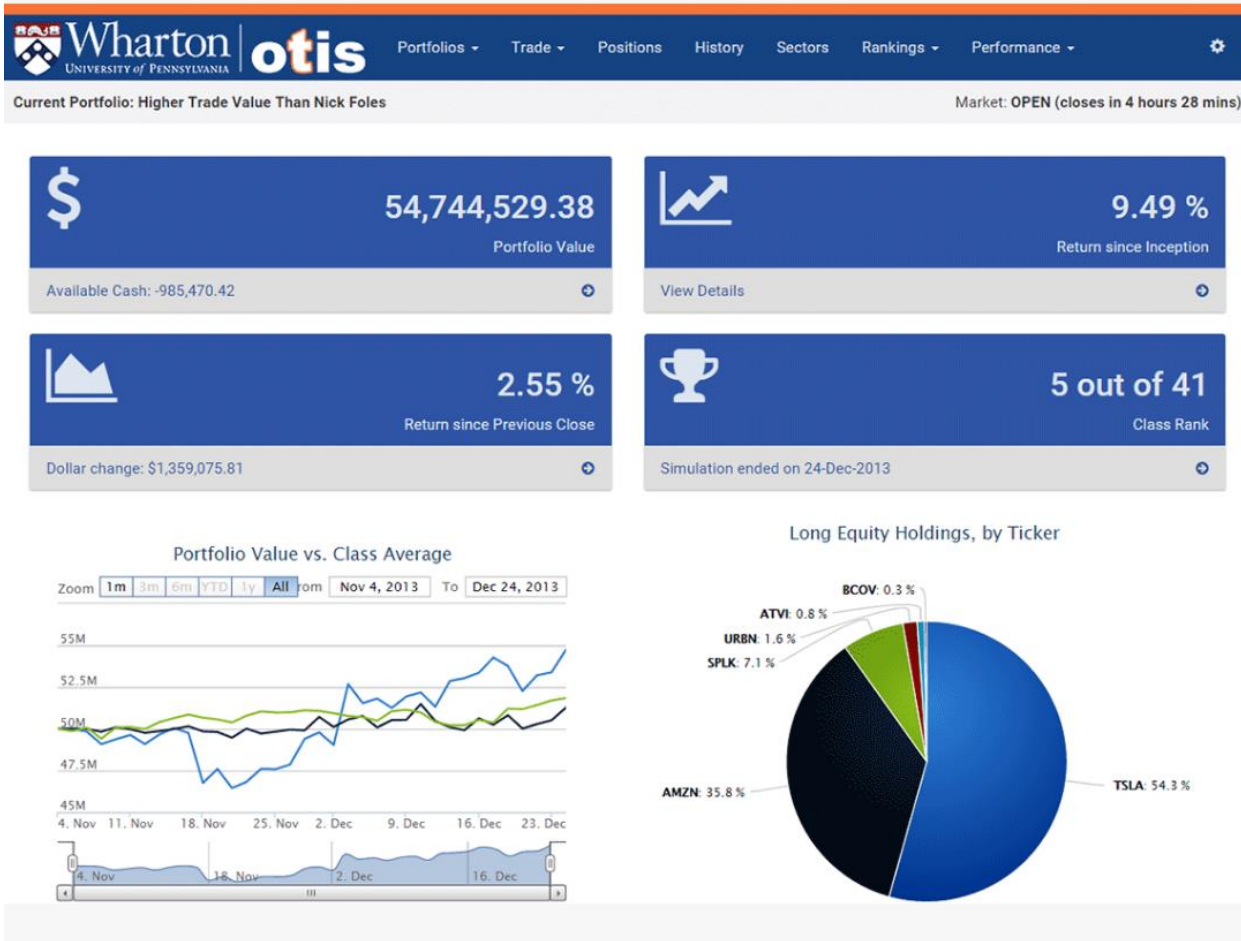
# WRDS教学工具示例2：财务比率可视化

## Financial Ratios





# WRDS教学工具示例3: otis实时模拟交易平台



---

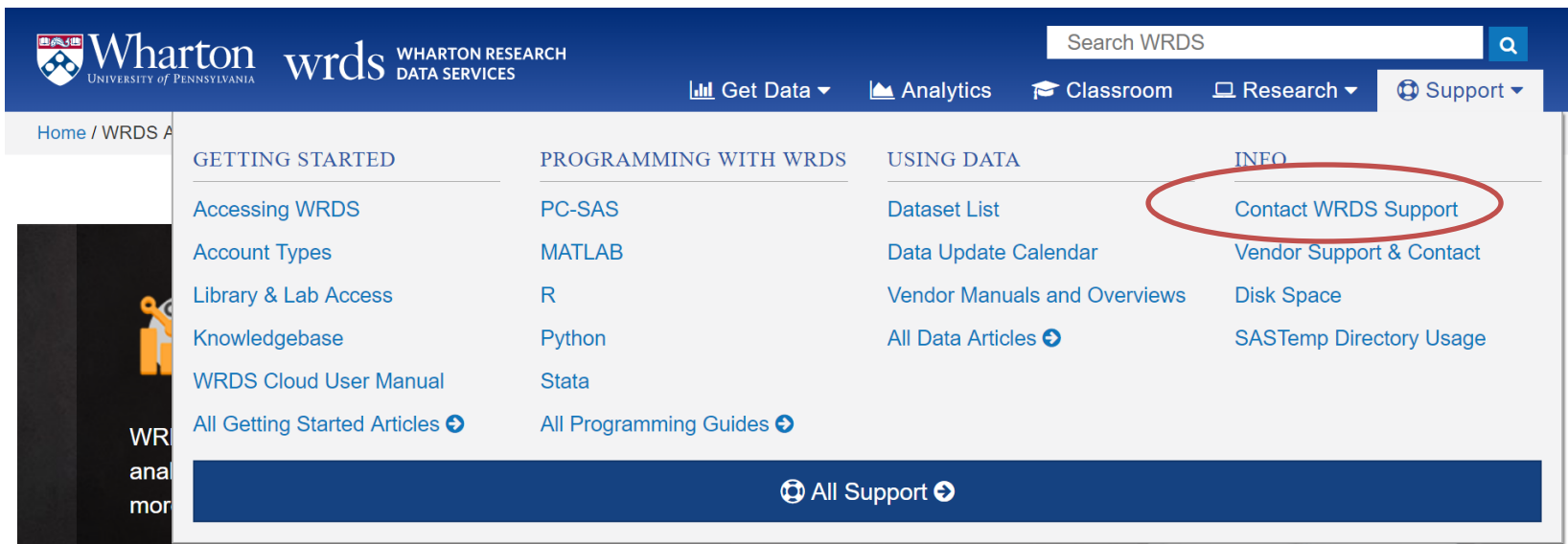
The Global Standard for Business Research

# wrds



# 联系我们

- <http://www.whartonwrds.com>



The screenshot shows the Wharton WRDS website interface. At the top, there is a navigation bar with the Wharton University of Pennsylvania logo, the text 'wrds WHARTON RESEARCH DATA SERVICES', a search bar labeled 'Search WRDS', and navigation links for 'Get Data', 'Analytics', 'Classroom', 'Research', and 'Support'. Below the navigation bar, a dropdown menu is open, displaying a grid of links. The 'Support' dropdown is highlighted with a red circle, and the link 'Contact WRDS Support' is also circled in red. Other links in the dropdown include 'Getting Started', 'Programming with WRDS', 'Using Data', and 'Info'. The 'Info' section includes 'Contact WRDS Support', 'Vendor Support & Contact', 'Disk Space', and 'SASTemp Directory Usage'. At the bottom of the dropdown, there is a blue button labeled 'All Support' with a right-pointing arrow.

- 通过 [Contact WRDS Support](#) 或发邮件至 [wrd-support@wharton.upenn.edu](mailto:wrd-support@wharton.upenn.edu)

---

## 联系WRDS

- 张霞 Erica
  - 亚太地区客户拓展副总监
  - 电话/微信：18817669767
  - 电子邮件： [xiazhan@wharton.upenn.edu](mailto:xiazhan@wharton.upenn.edu)
- 
- St. Leonard's Court Suite 300
  - 3819 Chestnut Street
  - Philadelphia, PA 19104
  - 主页： <http://whartonwrds.com>