



Wharton
UNIVERSITY of PENNSYLVANIA

The Global Standard for Business Research

wrds

WHARTON RESEARCH DATA SERVICES

WRDS使用培训

上海对外经贸大学

March 26, 2024 by Erica Zhang

<https://wrds-www.wharton.upenn.edu/>

主要内容

- WRDS介绍
- WRDS研究影响
- WRDS平台注册&已开通数据包介绍
- 如何在WRDS平台上检索数据
- WRDS支持服务

关于WRDS

- ✓ Wharton Research Data Services
 - ✓ 宾夕法尼亚大学沃顿商学院
 - ✓ 云端数据研究平台
 - ✓ 专注于学术领域的金融实证研究
 - ✓ 覆盖全球超过500个顶尖商学院
-
- 大幅度提高研究人员的生产力
 - 帮助提高商学院影响力
 - 吸引并保留科研人才



WRDS的主要功能

- **丰富的数据选择：**WRDS 让用户能从单一平台和入口获取超过 350 TB的数据，且数据已进行清洗并以标准化格式呈现给用户，其中涵盖金融、会计、经济、银行、保险、营销、统计和医疗等领域，包含科研领域常用的标普 Compustat、CRSP、路孚特等数据；
- **灵活的访问形式：**实现随时随地远程访问，访问形式包括网页形式下载（无需任何编程基础）和基于SAS/Python/R/Stata/Matlab的API接口；
- **强大的数据管理平台：**WRDS 提供用户大批量下载及处理数据的空间储存和运算能力，可以避免大批量下载的限制，并且实现使用机器语言代替手工反复操作，极大的提高研究效率；
- **科研后备支持：**提供经典论文的复制性研究，及丰富的模板和范例程序套件；
- **教学支撑：**教师可利用WRDS平台进行数据模型实操演示，并可开通班级账号以供全班学生使用和进行课后练习。

WRDS数据合作商

以下为WRDS部分合作商

S&P Global
Market Intelligence

CRSP
LLC

REFINITIV
TM



BUREAU VAN DIJK
A Moody's Analytics Company

FACTSET

BoardEx

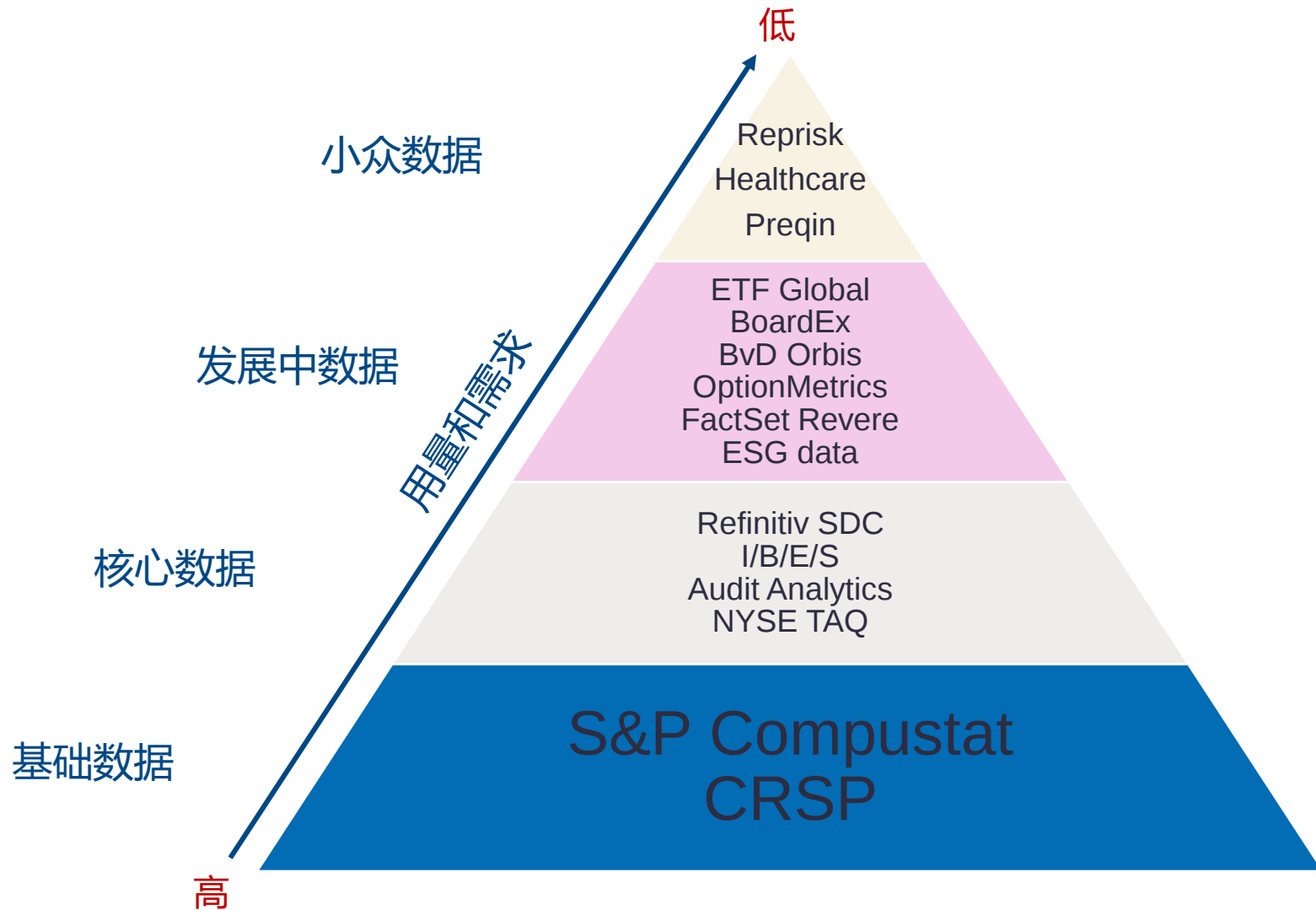
CSMAR

ICE
NYSE

 **SUSTAINALYTICS**

 **preqin**

WRDS承载丰富的数据



WRDS金融领域相关常用数据库

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

更多数据请访问 [Browse Data by Concept](#)

WRDS分析工具 – 链接工具

Linking Queries by WRDS

These Linking Queries allow our users to easily download link tables between various heavily used databases on the WRDS platform.

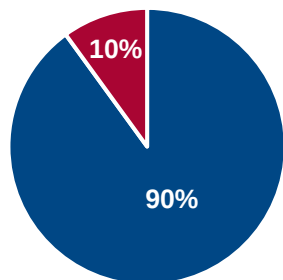
In addition to these linking queries, WRDS provides a [Company Database Linking Matrix](#) containing additional linking information as well as sample code. To easily use existing linking tables, use the following queries:

- **Bond CRSP Link** allows users to directly link fixed income data at the individual bond level to the equity data from the CRSP database.
- **BoardEx CRSP Compustat Link** provides the link of Boardex companies with CRSP-Compustat universe
- **CRSP Compustat Link by CUSIP** SAS code allows users to link CRSP PERMNO with COMPUSTAT GVKEY by CUSIP
- **FactSet CRSP Link** links Factset's security id as well as entity id with CRSP identifiers
- **IBES CRSP Link** provides the historical matching of IBES TICKER with CRSP PERMNO.
- **Option Metrics CRSP Link** provides the link between OptionMetrics SECID and CRSP PERMNO
- **TAQ CRSP Link** provides the link between TAQ SYMBOL and CRSP PERMNO
- **TR Insiders - Boardex Link** provides the link between TR Insider PERSONID and Boardex DIRECTORID.
- **Compustat Customer Segment Company Names - GVKEY Link** provides the missing link between abbreviated Customer Segment (Supply Chain) Company Names to GVKEY.
- **Federal Judicial Center Litigation Compustat-CIK Link** provides the link among Docket Numbers, Case keys, GVKEYs, and CIKs. Link is provided for Bankruptcy, Civil and Criminal data.

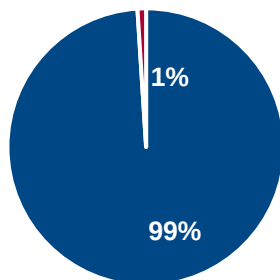
WRDS研究影响

全球顶尖研究型商学院WRDS覆盖率

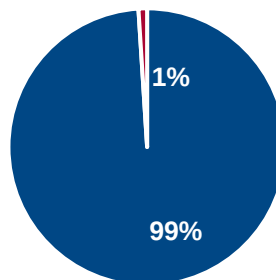
Top
100
>>>



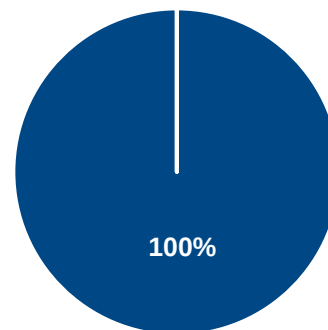
2006



2011

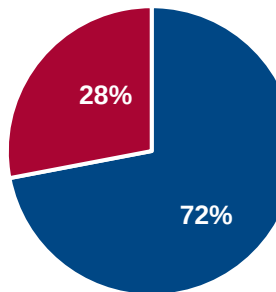
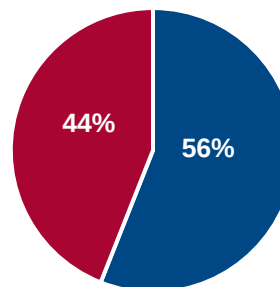
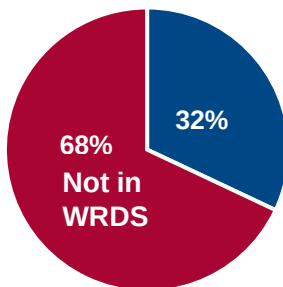


2016



2023

Top
500
>>>



研究显示，WRDS可帮助增加论文发表数量

Dissemination, Publication, and Impact of Finance Research: When Novelty Meets Conventionality

Rui Dai, Lawrence Donohue, Qingyi (Freda) Drechsler, Wei Jiang

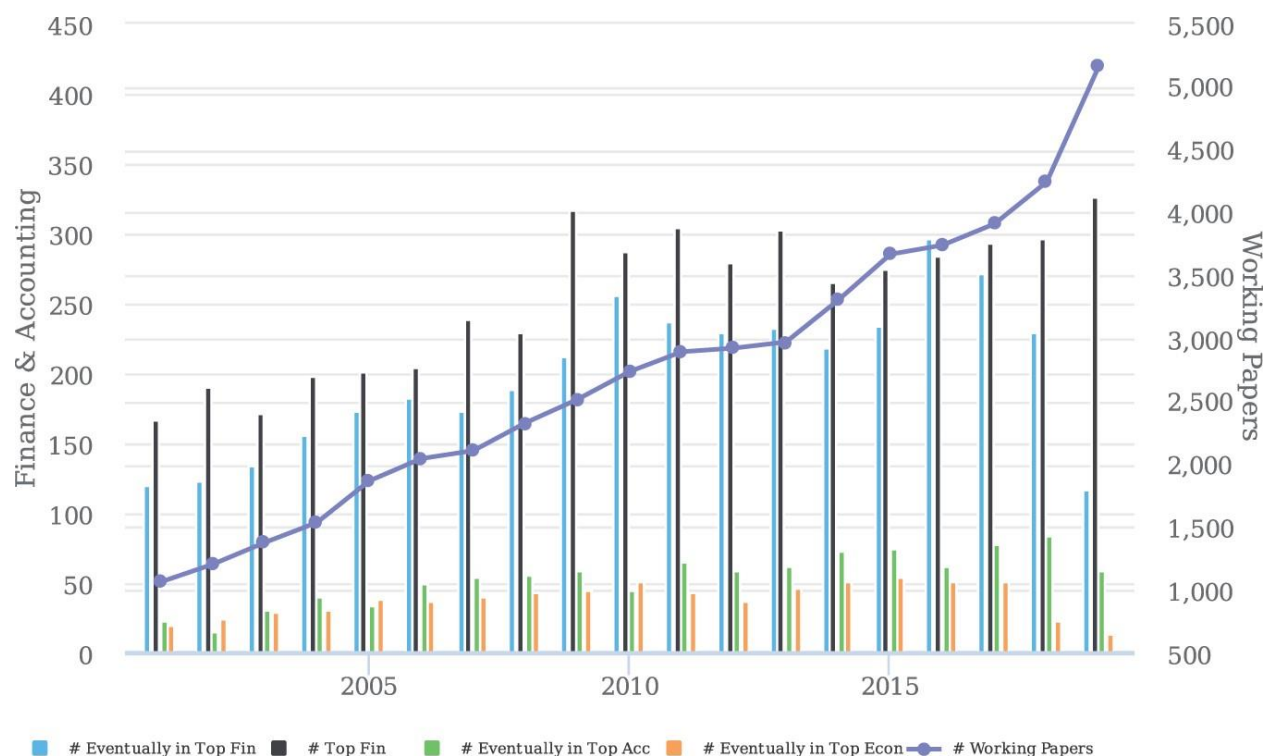
Review of Finance, Volume 27, Issue 1, February 2023, Pages 79–141,

<https://doi.org/10.1093/rof/rfac018>

Abstract:

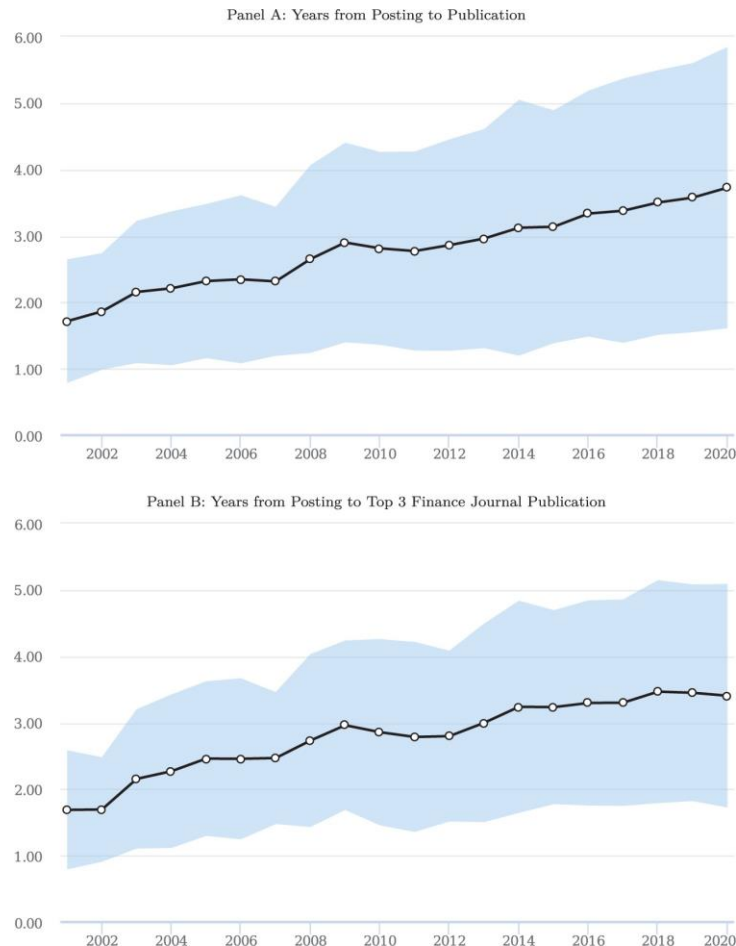
Using numeric and textual data extracted from over 50,000 finance articles in Social Science Research Network (SSRN) during 2001–19, we examine the relationship between measured qualities and a paper’s readership, eventual outlet, and impact. Conventionality (semantic similarity with existent research) helps boost readership and publication prospects. However, novelty in the forms of emerging topics and databases are associated with better publishing outcomes. Studies that do not easily map into established finance subfields or that introduce nonfinance elements face a higher hurdle. Finally, papers whose research questions span multiple fields are a hard sell, but those building on prior knowledge from multiple fields are valued.

Figure 1. Finance working papers and top finance, economics, and accounting journal publications. This figure reports ...



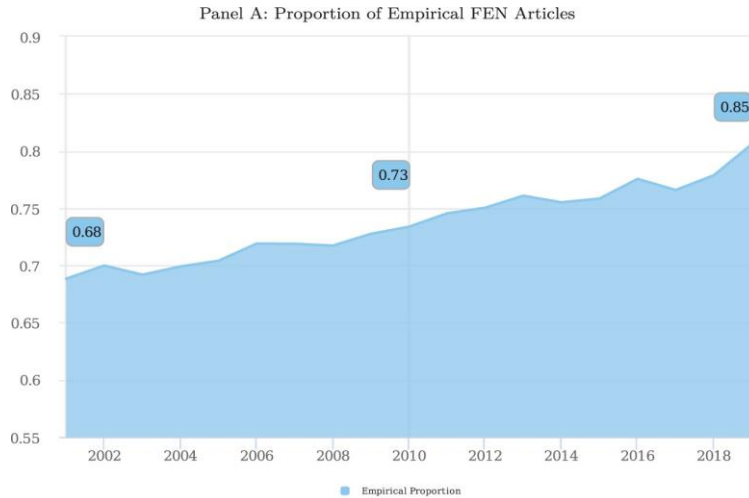
SSRN上的工作论文数量以每年8.7%的复合增长率迅速增加

Figure 2. Years from SSRN posting to publication. Panel A of this figure reports the average number and one standard ...

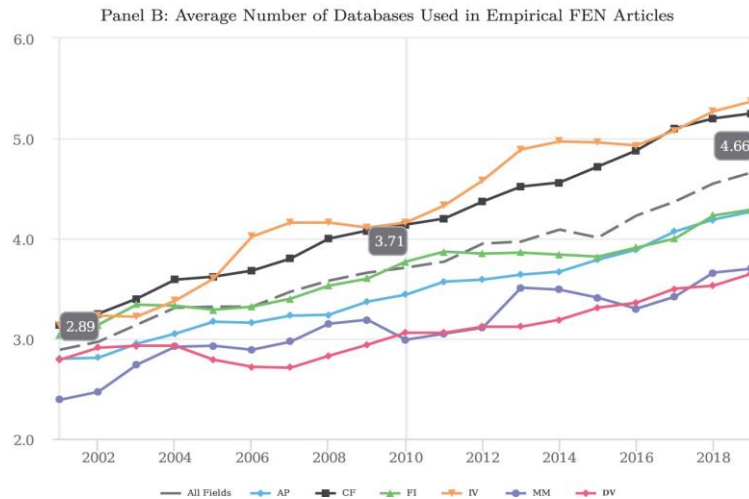


论文的发表周期也明显变长。一篇工作论文从在SSRN发表到最终见刊的过程，在2001年的时候是平均1.7年左右，而在2020年达到了平均3.5年左右。

Figure 6. Empirical papers and database count. Panel A of this figure reports the proportion of empirical FEN articles, ...



实证研究在整体金融经济学领域文章中的占比逐步提升。



实证工作论文中使用的数据库平均数量已从2001年2.9个增加到2019年的4.7个。

WRDS-SSRN Research Paper Series

Papers from Wharton Research Data Services (WRDS) Research Paper Series

Search within papers

Search

Sort By
Newest



< Previous 1 2 3 ... 76 Next >

Displaying 1-50 of 3,774 papers



[Friends in High Places: Political Ties and SEC Oversight of Foreign Firms](#)

Number of pages: 62 • Posted 13 Sep 2022

Working Paper Series

Jill E. Fisch and Xian Gu

University of Pennsylvania Carey Law School and Durham University Business School

Downloads
5



[Do Investors Value Corporate Workplace Equality?](#)

Number of pages: 80 • Posted 13 Sep 2022

Working Paper Series

Yanru Han

The Chinese University of Hong Kong (CUHK) - Department of Finance

Downloads
7



[The Rise of Machines: Algorithmic Trading and Stock Price Crash Risk](#)

Number of pages: 59 • Posted 13 Sep 2022

Working Paper Series

Anwer S. Ahmed, Yiwen Li, Andrew Stephen McMartin and Nina Xu

Texas A&M University - Mays Business School, Villanova University, University of Miami and University of Connecticut

Downloads
7



[Do Banks Care about the Environment? Estimating the Greenium and Implications for Bank Lending](#)

Number of pages: 36 • Posted 13 Sep 2022

Working Paper Series

Stefan Walz

Columbia University - Columbia Business School

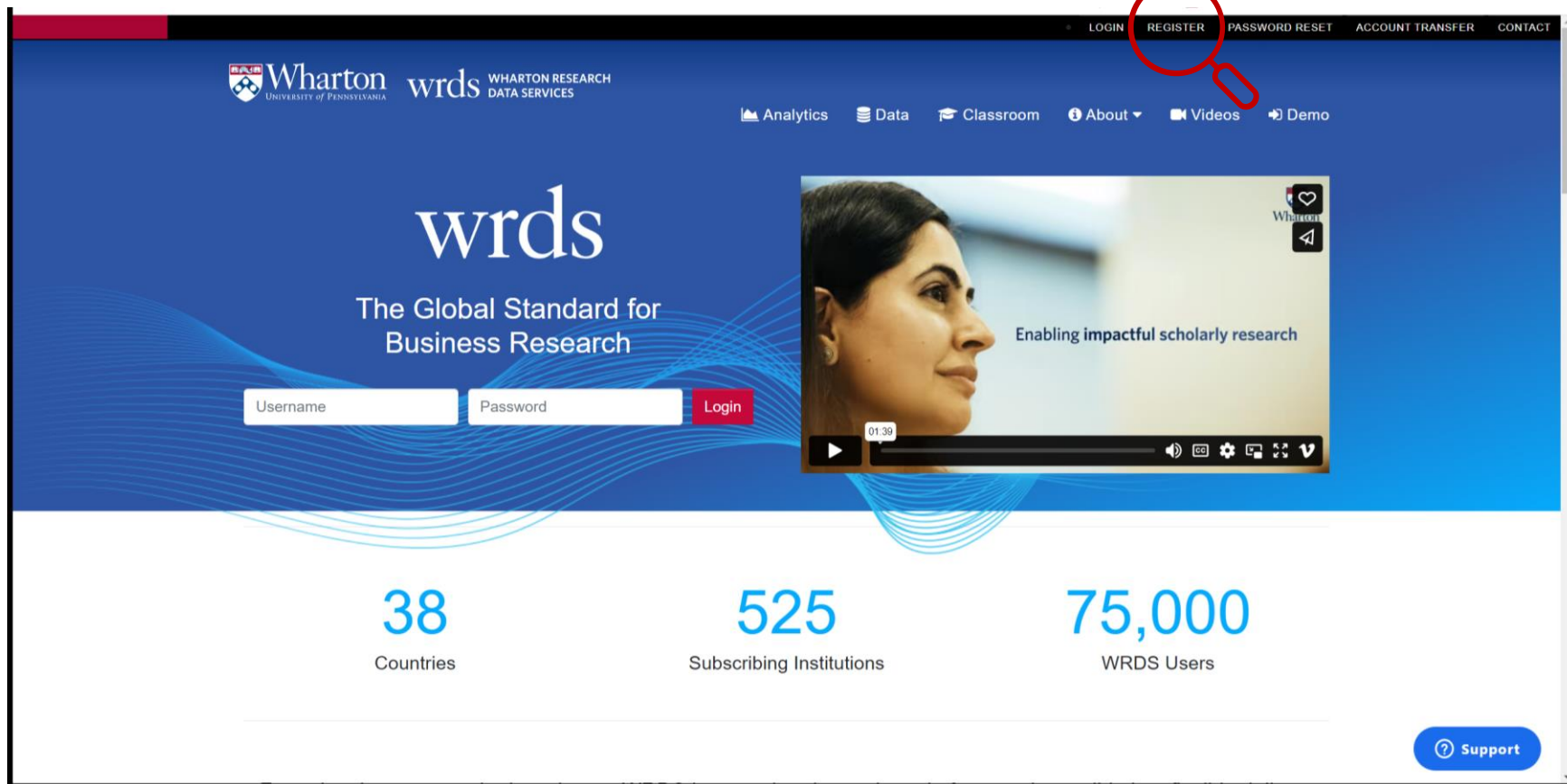
Downloads
12

WRDS平台注册 & 已开通数据介绍

WRDS账号注册

<https://wrds-www.wharton.upenn.edu/>

点击 REGISTER



图书馆资源指引: <https://lib.suibe.edu.cn/2023/1124/c109a11539/page.psp>

WRDS账号注册

Register for WRDS

Username

Please choose a username.

Required. Usernames must be 4 to 15 characters long; begin with a letter; contain only lowercase ASCII letters, numbers, and/or underscores; and must not begin with pg_.

Password

Please choose a password.

- Your password must contain at least 12 characters.
- Your password can't be a commonly used password.
- Your password can't be entirely numeric.
- Passwords may contain only ASCII letters, numbers, spaces, and punctuation characters: '~!@#\$%^&*()=-_+[]{}|:;'. / < > ?

Password confirmation

Please choose a password.

Enter the same password as before, for verification.

First name

Last name

Email address

填写 suibe.edu.cn 邮箱

Please enter your institutional email address.

Subscriber

选择 Shanghai University of International Business and Economics

User type

The account type of this user.

Expiration date

Department

Captcha

☐ I'm not a robot



By submitting this form, you accept the Terms of Use .

Register for WRDS

User Type:

按照个人身份选择相应选项

- Faculty
- Ph.D
- Research Assistant
- Staff
- Masters/Undergraduate
- Class

提交申请后将由WRDS管理员审批账号申请，并在审批通过后邮件告知。

WRDS账号申请说明

- 限定使用suibe.edu.cn邮箱注册WRDS个人账号
- 每位用户限定注册一个WRDS账号（重复申请将提示无效）
- 老用户：曾经注册过WRDS账号用户需联系管理员老师激活WRDS账号
- 新用户：按照步骤注册账号

SUIBE管理员老师：

谷老师: zqgu@suibe.edu.cn

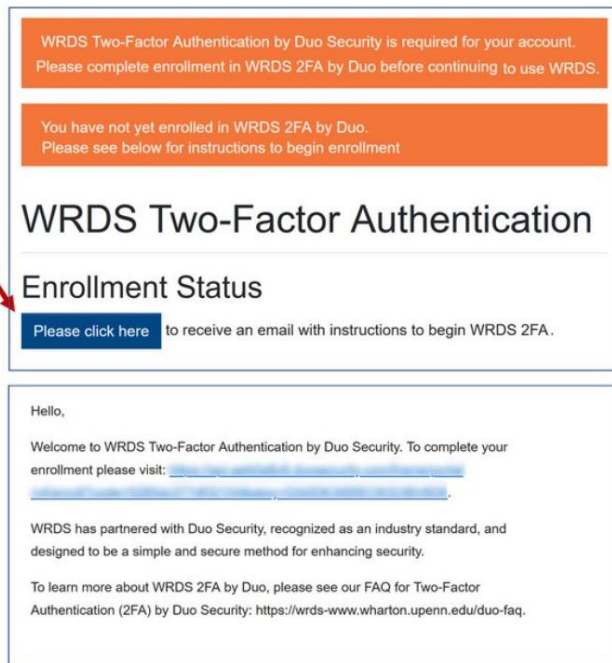
吴老师: wz@suibe.edu.cn

WRDS双因子验证 (2FA)

首次登陆时，用户需根据提示进行双因子验证 (2FA)。双因子验证增加了第二层安全，以此保证您的账户安全。用户可通过Duo App（苹果系统）或短信验证方式（安卓系统）进行双因子验证。

I. Begin By Verifying Your Email

1. The WRDS site will prompt you to verify your email. Click the **Please click here** button to begin.



WRDS Two-Factor Authentication by Duo Security is required for your account.
Please complete enrollment in WRDS 2FA by Duo before continuing to use WRDS.

You have not yet enrolled in WRDS 2FA by Duo.
Please see below for instructions to begin enrollment

WRDS Two-Factor Authentication

Enrollment Status

[Please click here](#) to receive an email with instructions to begin WRDS 2FA.

Hello,

Welcome to WRDS Two-Factor Authentication by Duo Security. To complete your enrollment please visit: [redacted link].

WRDS has partnered with Duo Security, recognized as an industry standard, and designed to be a simple and secure method for enhancing security.

To learn more about WRDS 2FA by Duo, please see our FAQ for Two-Factor Authentication (2FA) by Duo Security: <https://wrds-www.wharton.upenn.edu/duo-faq>.

2. Access the email account that is associated with your WRDS account and click the link to verify.

首次登陆时，需要登记Two-Factor Authentication二次验证。

请从“Please click here”开始。邮件中的信息将详细指引您如何登记二次验证。

WRDS首页浏览

**wrds** WHARTON RESEARCH DATA SERVICES

Search WRDS

[Get Data](#) [Analytics](#) [Classroom](#) [Videos](#) [Research](#) [Support](#)

[Home](#)

主要功能

Subscriptions

» 2iQ	2	» Federal Judicial Center	7	» Option Suite by WRDS	2
» American Hospital As...	9	» Federal Reserve Ban...	4	» OptionMetrics	25
» Audit Analytics	64	» Financial Ratios Suite...	4	» OTC Markets	1
» B Impact Assessment	2	» FTSE/Russell	3	» PACAP: Pacific-Basin...	38
» Bank Regulatory	27	» GovPX	2	» Pastor-Stambaugh an...	3
» Beta Suite by WRDS	2	» Healthbase	13	» Penn World Tables	2
» Blockholders	1	» Hedge Fund Researc...	18	» Peters and Taylor Tot...	1
» BoardEx	68	» Historical SPDJI	2	» Philadelphia Stock Ex...	2
» Bond Returns by WRDS	1	» IBES	113	» PitchBook	114
» Bureau van Dijk	42	» IHS Global Insight	2	» Preqin	21

Data Dashboard »

Analytics by WRDS

All Topics »



SEC Analytics Suite



U.S. Daily Event Study



Intraday Indicators

</> Coding Tool Kit (-)

SAS Studio

About

R Studio

About

JupyterHub

About

Examples

“Subscriptions”栏目中显示您所在的院校订阅的数据；暂未订阅数据不显示。

WRDS News

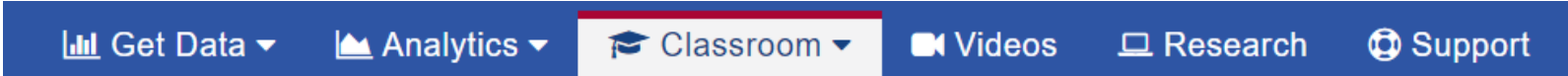
- 17 OCT** CBOE welcomes WRDS to the Trading Floor
October 17th, 2023
- 16 MAY** WRDS will be enabling Multi-Factor authentication for SAS/Connect and ...
May 16th, 2023

Events

- 26 NOV** AACSB EMEA Annual Conference 2023

WRDS入门学习资料

作为一个新用户，学习使用WRDS的基础知识的一个有效方式就是从“WRDS课堂”工具开始。WRDS课堂工具一般包括教学说明、幻灯片（部分文件提供多语言版本）和互动练习。

	
INTRO TO WRDS	
Getting Started	对WRDS的总体介绍；概述了查询的组织方式；演示了一个通过CRSP检索定价数据的查询样本。
What Data is in WRDS?	了解WRDS的数据产品以及如何有效地浏览它们。
Finding the Data	如何准确寻找特定的数据；学习数据类别和供应商产品。
Understanding Identifiers	了解不同类型的标识符，包括标题和历史标识符、发行和公司特定标识符，以及某些标识符的相关日期范围。
Using SAS Studio	你将学会通过SAS Studio访问WRDS数据，使用表视图来过滤数据，在SAS Studio中写和读一个基本的数据步骤，并在SAS Studio中导出一个表。

公开数据库

以下数据库为WRDS免费提供。具体内容请从WRDS主页面Subscriptions中查看。

Bank Regulatory Database	IRI Marketing Factbook
Blockholders	Penn World Tables
CBOE Indexes	Philadelphia Stock Exchange
DMEF	SEC Disclosure of Order Execution
Dow Jones	TRACE
Fama-French Portfolios and Factors	MSRB
Federal Reserve Bank Reports	OTC Markets
	Federal Judicial Center

SUIBE – 其他已订阅数据库

S&P Compustat & Capital IQ (标普资本智商) : Compustat NA, Global

- 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104,000个上市/退市公司；超过130,000个证券，几乎涵盖超过99%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) : Stock, Index, Treasury

- 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。

BvD系列 (也可通过BvD平台访问)

- Osiris：包括1983年以来在190多个国家超过8万个上市公司及主要非上市或退市公司的基本面和股权信息等

CSMAR (也可通过国泰安平台访问)

- 1990年以来中国股票市场数据和中国上市公司的财务报表

如何在WRDS平台上检索数据

网页检索 | 检索页面

Compustat – Fundamentals Annual

Live Demo

Compustat Daily Updates - Fundamentals Annual

Query Form	Variable Descriptions	Manuals and Overviews	Knowledge Base	Data Dictionary
------------	-----------------------	-----------------------	----------------	-----------------

Compustat Daily Updates - Fundamentals Annual

Step 1: Choose your date range.

Date Variable:

Data Date	
2010-01	to 2021-11

Step 2: Apply your company codes.

What format are your company codes?

☒ TIC ☐ GVKEY ☐ CUSIP ☐ SIC ☐ NAICS ☐ CIK ☐ GIC Sub-Industry

Select an option for entering your company codes:

☒ Company Codes	☐ Code List Name
--	---

Please enter company codes separated by a space.

Example: IBM MSFT AAPL

[Code Lookup: S&P Compustat North America - monthly update (current + historical)]

☐ -----Select Saved Codes List-----

Choose from your saved code lists.

☐ Browse... Company Codes Upload File

Upload a plain text file (.txt), having one code per line.

☐ Search the entire database
--

Compustat - Capital IQ

Compustat

North America

» Fundamentals Annual

» Fundamentals Quarterly

» Index Constituents

» Index Fundamentals

» Index Prices

» Industry Specific Annual

» Industry Specific Quarterly

» Pension Annual

» Pension Quarterly

» Ratings

» Security Daily

» Security Monthly

网页检索 | CRSP Daily Stock

Live Demo

[Home](#) / [Get Data](#) / [CRSP](#) / [Annual Update](#) / [Stock / Security Files](#) / [Daily Stock File](#)

CRSP Daily Stock

[Queries (Failed)]



**CENTER FOR RESEARCH
IN SECURITY PRICES, LLC**

An Affiliate of the University of Chicago
Booth School of Business

[More About This Vendor](#) »

[CRSP](#) »

[Annual Update](#) »

[Stock / Security Files](#) (hide)

» [Daily Stock File](#)

» [Monthly Stock File](#)

» [Stock Header Info](#)

» [Stock Market Indexes](#)

» [U.S. Daily Event Study: Upload your own ...](#)

CRSP Daily Stock

CRSP Annual Update

CRSP's annual update, with data through December 2022, will be available in the first few days of February.

Step 1: Choose your date range.

Date Variable:

2019-01-01 to 2022-12-30

Step 2: Apply your company codes.

What format are your company codes?

☒ TICKER ☐ PERMNO ☐ PERMCO ☐ CUSIP ☐ NCUSIP ☐ HSICCD ☐ SICCD

Select an option for entering your company codes:

☒ Company Codes

☐ Code List Name

Please enter company codes separated by a space.

Example: IBM MSFT AAPL

Save this code list to Saved Codes

[Code Lookup: CRSP Stock (Annual)]

☐ -----Select Saved Codes List-----

Choose from your saved code lists.

☐ Browse... Company Codes Upload File



使用编程软件连接

详细操作步骤请访问Support → [Programming](#)

[Home](#) / [Support](#) / [Programming](#)

Programming

WRDS Data is easily accessible in your favorite programming language. Find out how to access WRDS through SAS, Python, R, MATLAB, and Stata. The connection methods available are listed under each language.

SAS

- » SAS: From the Web (SAS/Studio)
- » SAS: From Your Computer (SAS/Connect)
- » SAS: On the WRDS Cloud

R

- » R: From Your Computer (RStudio)
- » R: On the WRDS Cloud
- » R: From the Web (RStudio Server)

Stata

- » STATA: From Your Computer
- » STATA: On the WRDS Cloud

Python

- » PYTHON: From Your Computer (Jupyter/S...
- » PYTHON: On the WRDS Cloud
- » Python: From the Web (JupyterHub)

MATLAB

- » MATLAB: From Your Computer

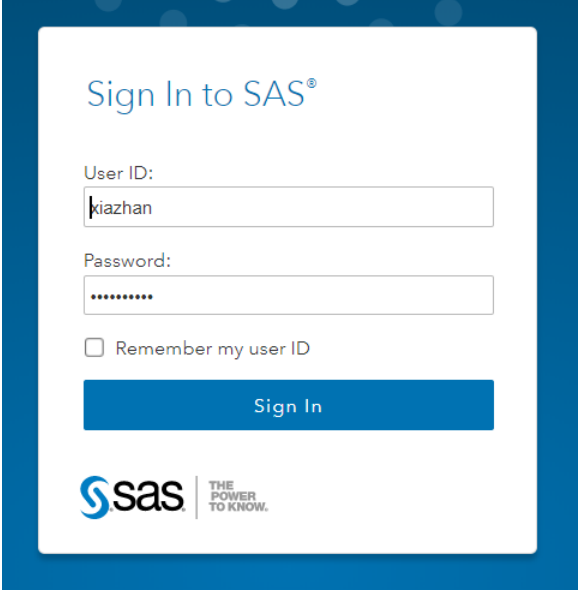
WRDS Data in PostgreSQL

- » WRDS Data in PostgreSQL: Tutorial

SAS Studio

- 无需购买安装PC-SAS也可以实现WRDS的互动式程序设计和检索
- 硬件需求：任何配备全面功能浏览器的设备（PC、MAC、Ipad）

点击[此处](#)打开SAS Studio
输入WRDS用户名和密码

The image shows the SAS Studio login page. It has a white background with a blue border. At the top, it says "Sign In to SAS®". Below that are two input fields: "User ID:" with the text "kiazhan" and "Password:" with masked characters. There is a checkbox labeled "Remember my user ID". A blue "Sign In" button is at the bottom. The SAS logo and tagline "THE POWER TO KNOW." are in the bottom right corner.

Sign In to SAS®

User ID:
kiazhan

Password:
.....

☐ Remember my user ID

Sign In

sas | THE POWER TO KNOW.

WRDS支持服务

WRDS Analytics – WRDS分析工具

WRDS分析工具旨在提高效率，使研究人员能够利用不同的数据源和研究领域，而无需创建复杂的程序。结果以图形方式呈现，并包括基础数据，以便进一步分析和探索。

Wharton wrds WHARTON RESEARCH DATA SERVICES

Search WRDS

Get Data **Analytics** Classroom Videos Research Support

ANALYTICS by wrds

WRDS has developed a variety of powerful analytical tools to support you in your research. Get more out of your data with less effort.

FEATURED TOOLS:

- Bag of Words
- Factors by WRDS

Grid View List View

All Topics Efficient Frontier Event Study Financial Ratios Instructors Other Research Tools Programming Tools SEC

U.S. Daily Event Study

Investigate abnormal stock returns/volumes around event dates by uploading your own "events" file, or analyzing reaction to firm-specific events from Capital IQ's Key Development database.

- Instant visualization of the effect of events on U.S. equities

SEC Filings Search

Use this powerful research platform to search the contents of the most commonly used SEC filings—over 3.4 million reports—filed by more than 94 thousand companies.

- Easy-to-use web queries
- Daily updates
- Links to original HTML and text files

Intraday Indicators

Stock specific daily and intraday (5 min, 15 min and 30 min) indicators created from the TAQ intraday dataset.

- Stock specific daily and intraday (5 min, 15 min and 30 min) indicators.
- Requires subscription to TAQ dataset.

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

- Event Studies
- Intra-day Indicators
- Financial Ratios
- Bond Returns
- Beta Suite
- SEC Filings
- Linking Suite
- And etc...

WRDS Classroom – WRDS课堂

WRDS的课堂工具是专门为在课堂上介绍金融和商业概念的教师设计的教学工具箱。

Wharton UNIVERSITY of PENNSYLVANIA wrds WHARTON RESEARCH DATA SERVICES

Search WRDS

Get Data Analytics Classroom Videos Research Support

Classroom Tools by wrds

Classroom Tools by WRDS is a teaching and learning toolkit designed specifically for faculty who are introducing finance and business concepts in the classroom.

FEATURED TOOLS:

- Options: Binomial Pricing Model
- Monte Carlo Simulation for Option Pricing

Grid View List View

All Topics Accounting Fixed Income Introduction to WRDS Investments Macroeconomics SEC Text Analytics

Updated!

Getting Started

This teaching tool guides your students through their first use of the WRDS website. With it, you can:

- Introduce new users to WRDS
- Provide an overview of how queries are organized
- Demonstrate a sample query to retrieve

What Data is in WRDS?

Learn about WRDS' data offerings and how to navigate them effectively. Acquaint students with the breadth of financial datasets in WRDS, including coverage of:

- Pricing and returns
- Company fundamentals
- Earnings and estimates

Finding the Data You Want

WRDS contains a tremendous variety of data. This exercise covers the following:

- How data is categorized
- Techniques to locate data
- Resources that index WRDS' data

Understanding Identifiers

This exercise describes the major descriptors used to identify both companies and securities in WRDS, along with examples of each. Students will be introduced to the following:

- Difference between header and historical identifiers

- Introduction to WRDS
- Introduction to Financial Statements
- Time Value of Money
- Using the CRSP/Compustat Merged (CCM)
- SAS Studio
- And etc...

WRDS Videos – WRDS在线视频教学

Wharton wrds WHARTON RESEARCH DATA SERVICES

Search WRDS

Get Data Analytics Classroom **Videos** Research Support

Video by wrds

Now, more than ever, access to data, analytics, research and technology is critical to your mission. From the classroom, boardroom, or home, for 25+ years WRDS has supported users with targeted solutions that underpin research, reinforce learning, and enable discovery.

Grid View List View

FEATURED TOOLS:

CRSP Basics

Video

SAS Studio - Part 1

Video

All Topics Information Professionals Instructors Researchers

SAS Studio - Part 1

This is WRDS' introduction to accessing data through SAS/Studio. This tutorial is intended for first time users or experienced users looking to refresh their knowledge of how to access and explore data in SAS/Studio.

Rep Usage Reports

An overview of the WRDS representative's usage reports in the Wharton Research Data Services system. This report is only available to WRDS Reps.

Research Data Overview of WRDS

This overview organizes the databases available in WRDS into five main categories:

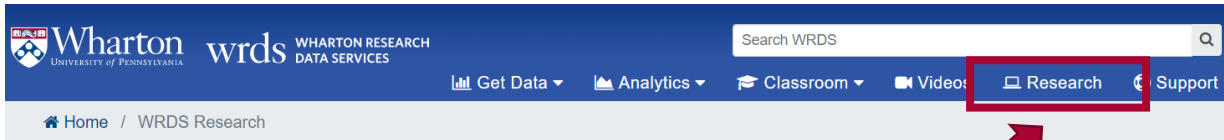
- Pricing data
- Fundamental data
- Earnings and estimates data

Introduction to Compustat | Part 1

View the scope of data, extensive use-cases and breadth support documentation for Compustat on WRDS.

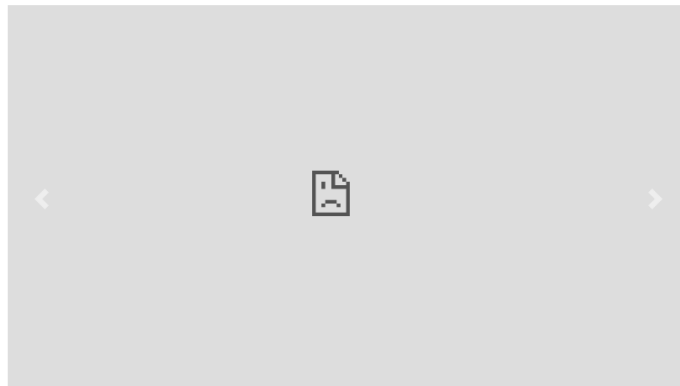
WRDS Research – WRDS科研

WRDS研究页面旨在帮助您开始使用WRDS数据进行研究。WRDS研究应用、SAS宏、研究指南和本程序将帮助您复制著名的经验论文，并可作为您自己原创研究的起点。



WRDS Research

The WRDS Research page is intended to help you get started with your research using WRDS data. The WRDS Research Applications, SAS macros, research guides, and sample programs will assist you in replicating well-known empirical papers and can serve as a starting point in your own original research.



Highlighted Research

 Merging CRSP and Compustat Data This paper provides a guide to merging data from the CRSP and Compustat datasets at the securities level. More →	 Fama-French Factors (Python) Based on the SAS based research application, this Python code replicates Fama and French's (1993) methodology to construct size and value factors. More →
--	---

Ways to Research

» Linking Databases

A summary of all the resources at WRDS that help link a company or person in one database with the same company or person in another database.

» Research Data Overview

Introductions to databases written by WRDS. Overviews complement vendor manuals by discussing WRDS-specific aspects and research concerns.

» Sample Programs

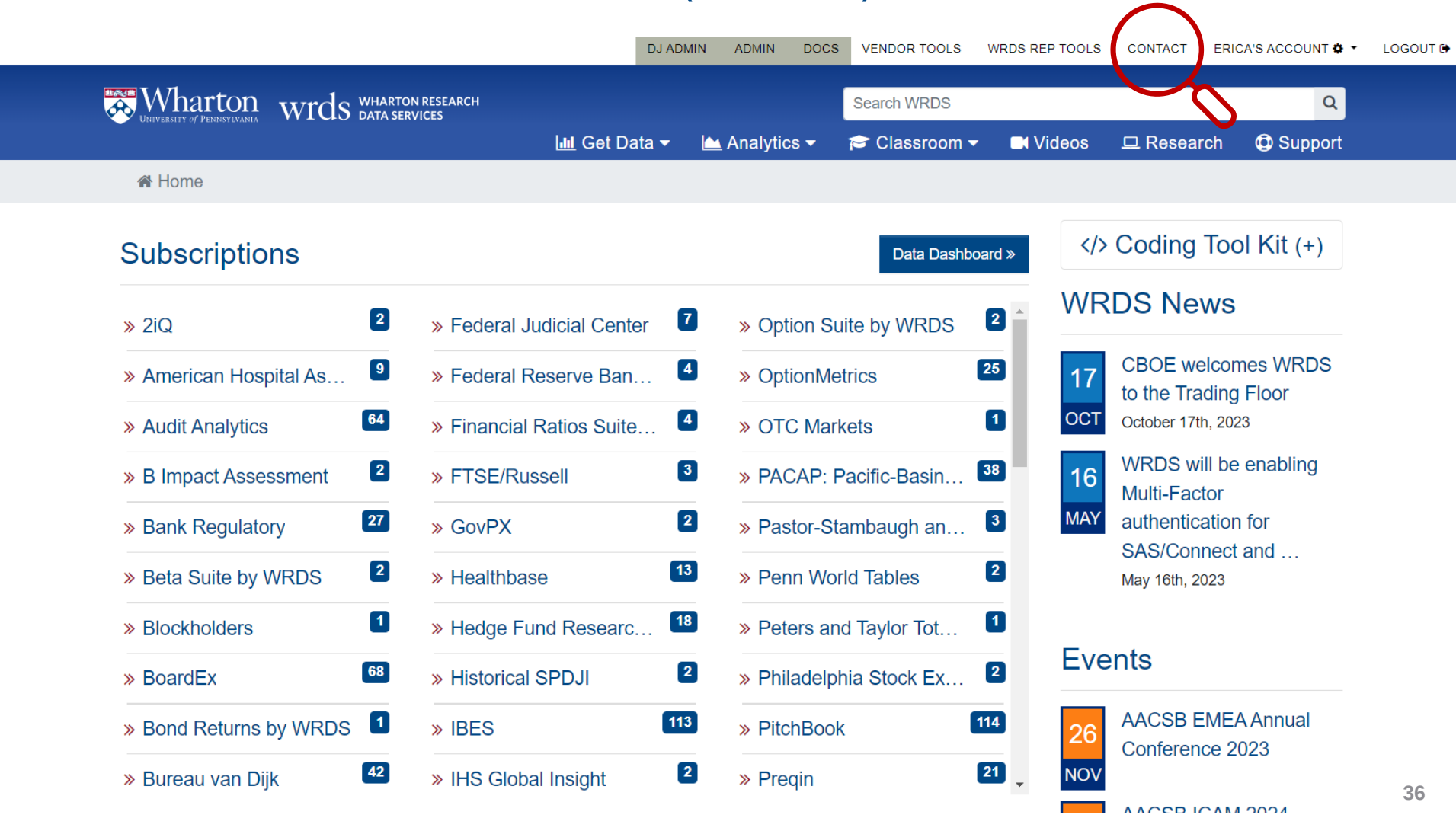
Short programs in multiple languages that illustrate common tasks for each database.

WRDS支持

- 在线支持：
 - [Video by WRDS](#) —————> Bilibili: WhartonWRDS
 - [Data Overviews](#)
 - [Research Applications](#)
 - [Sample Programs](#)
 - [Data Update Calendar](#)
 - [FAQs](#)

联系WRDS

点击主页右上角Contact提交问题（英文形式）



The screenshot shows the Wharton WRDS website interface. The top navigation bar includes links for DJ ADMIN, ADMIN, DOCS, VENDOR TOOLS, WRDS REP TOOLS, CONTACT (highlighted with a red circle), ERICA'S ACCOUNT, and LOGOUT. Below the navigation bar is a search bar labeled 'Search WRDS' and a row of icons for Get Data, Analytics, Classroom, Videos, Research, and Support. The main content area is divided into three columns. The left column is titled 'Subscriptions' and lists various data sources with their respective counts. The middle column is titled 'Data Dashboard' and lists more data sources. The right column is titled 'WRDS News' and features a list of recent news items with dates. Below the news section is an 'Events' section with a list of upcoming events.

Subscriptions					
» 2iQ	2	» Federal Judicial Center	7	» Option Suite by WRDS	2
» American Hospital As...	9	» Federal Reserve Ban...	4	» OptionMetrics	25
» Audit Analytics	64	» Financial Ratios Suite...	4	» OTC Markets	1
» B Impact Assessment	2	» FTSE/Russell	3	» PACAP: Pacific-Basin...	38
» Bank Regulatory	27	» GovPX	2	» Pastor-Stambaugh an...	3
» Beta Suite by WRDS	2	» Healthbase	13	» Penn World Tables	2
» Blockholders	1	» Hedge Fund Researc...	18	» Peters and Taylor Tot...	1
» BoardEx	68	» Historical SPDJI	2	» Philadelphia Stock Ex...	2
» Bond Returns by WRDS	1	» IBES	113	» PitchBook	114
» Bureau van Dijk	42	» IHS Global Insight	2	» Preqin	21

WRDS News	
17 OCT	CBOE welcomes WRDS to the Trading Floor October 17th, 2023
16 MAY	WRDS will be enabling Multi-Factor authentication for SAS/Connect and ... May 16th, 2023

Events	
26 NOV	AACSB EMEA Annual Conference 2023
	AACSB ICAM 2024

联系WRDS

WRDS支持: wrd-support@wharton.upenn.edu (英文提问)

张霞 Erica

亚太区客户拓展副总监

电话/微信: 18817669767

电子邮件: xiazhan@wharton.upenn.edu

WRDS主页: wrd-www.wharton.upenn.edu



微信公众号: WhartonWRDS



The Global Standard for Business Research

wrds