



TEJ Quick Start Guides

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- Download, install, log in (Intranet & internet)



P 2 ~ 3

2

- TEJ Main + Introduction to TEJ Program

P 4 ~ 22

3

- TEJ introduction to Event Study System

P 23 ~ 34

4

- Excel VSTO-TEJ Smart Wizard

P 35 ~ 50

5

- Contact TEJ

If you have any technical questions about our services, please feel free to call TEJ business department at (02) 8768-1088#120 or email us at tej@tej.com.tw

Download, Install, Contact information

Step1 : <http://www.oracle.com/technetwork/java/javase-downloads-136497.html>

Step2 : <http://www.oracle.com/technetwork/java/javase-downloads-136497.html>

Step3 : <http://www.oracle.com/technetwork/java/javase-downloads-136497.html>

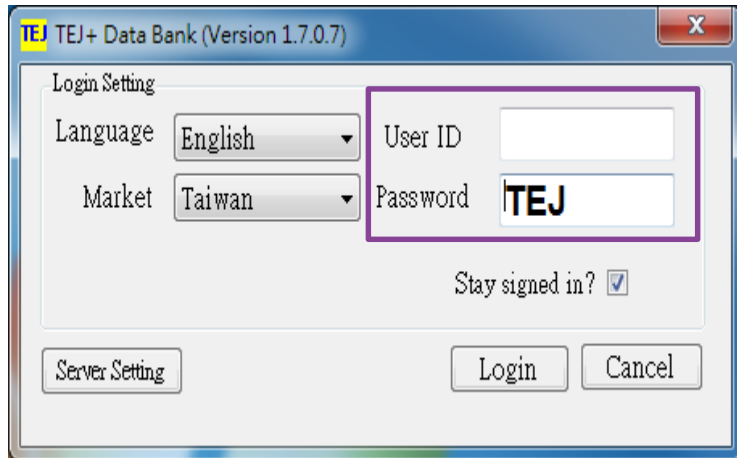
Step4 : <http://www.oracle.com/technetwork/java/javase-downloads-136497.html>



Log in: Click Desk Shortcut

Intranet

Enter account and password and click log in.



TEJ+ Data Bank (Version 1.7.0.7)

Login Setting

Language: English

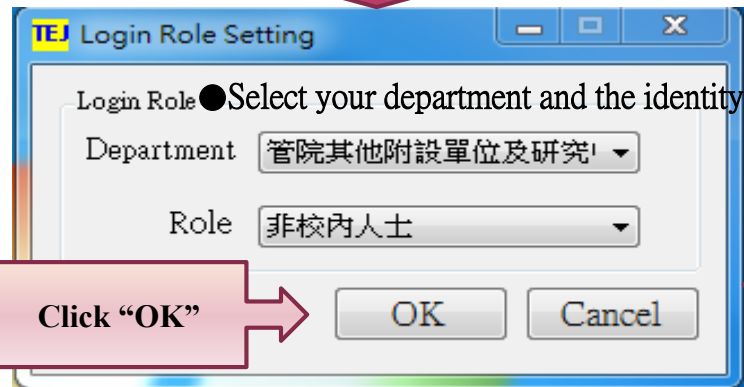
Market: Taiwan

User ID: []

Password: TEJ

Stay signed in?

Server Setting Login Cancel



TEJ Login Role Setting

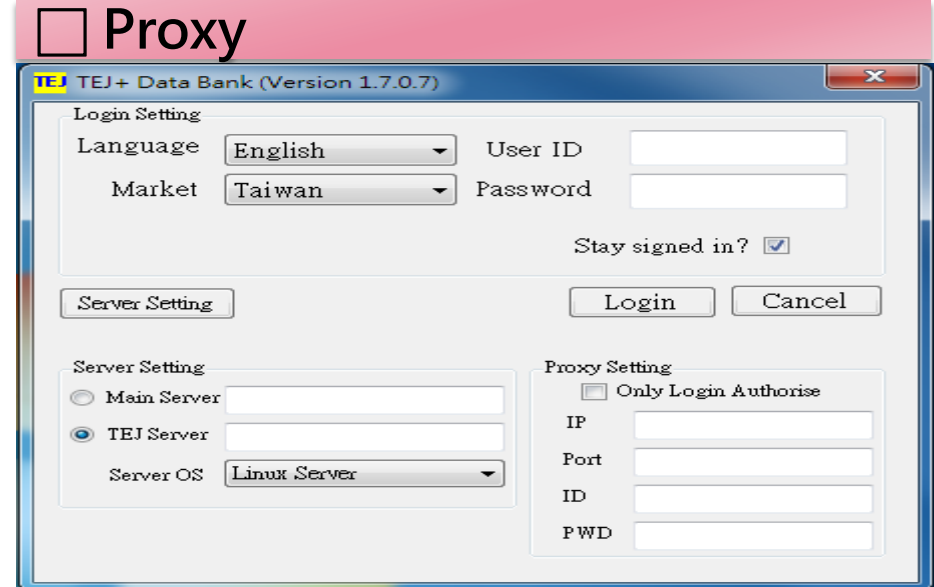
Login Role ● Select your department and the identity

Department: 管院其他附設單位及研究

Role: 非校內人士

Click "OK" → OK Cancel

Internet



TEJ+ Data Bank (Version 1.7.0.7)

Proxy

Login Setting

Language: English

Market: Taiwan

User ID: []

Password: []

Stay signed in?

Server Setting Login Cancel

Server Setting

Main Server

TEJ Server

Server OS: Linux Server

Proxy Setting

Only Login Authorise

IP: []

Port: []

ID: []

PWD: []

EZ Proxy



EzProxy 認證

帳號: []

密碼: []

確定 取消

VPN



TEJ Quick Start Guides

1

- Main Menu: Data Base Categories (take Taiwan as an example, the numbers of download items are subject to the DB purchase agreement made by each school.)

2

- Home screen & Introductions to common features

3

- Review mode (individual stock, multiple stocks, single item comparison)

4

- Criteria setting (company groups, field groups, advanced date)

5

- Export saved information

6

- Auxiliary functions (drawing, technical manual, study related articles)



Main Menu: DB Categories (I)

TEJ Profile

- Macroeconomics, raw material, exchange rate, interests, etc.

TEJ Company

- Company monthly revenues/earnings, sales breakdown, board members, capital formation, long term and short term investment, borrowings, etc.

TEJ Finance

- Financial information, financial ratios data base, consolidated financial statements and financial restatements of listed and GRETAI listed companies.

TEJ New Finance

- In response to the Statement of Financial Accounting Standards (SFAS) No.34 & the Statement of Financial Accounting Standards (SFAS) No. 36 as well as the cumulative effects of the new statement, the financial disclosures begin on or after 1 January 2006 and can be referred back to as early as 2005.



Main Menu: DB Categories (I)

Banking Industry- Balance Sheet Detail of Assets/Liability

- The regulatory capital, assets quality, regulatory capital detail, capital adequacy ratio, etc. of the financial industry.

TEJ Financial Holding Zone

- Including the monthly revenue, sales breakdown, reinvestment and financial statements of the financial holding companies and its subsidiaries.

TEJ Equity

- Securities market DB, including stock price, deal on credit (margin purchase and short sale), foreign institutional investors, security deposited in central depository, and etc.

TEJ IFRS Finance

- The financial Statements of Taiwan's listed and GRETAI listed Companies' adhere to the financial statements released by International Financial Reporting Standards (IFRS), the financial disclosures begin on or after 1 January 2013 and can be referred back to as early as 2012.

Main Menu: DB Categories (II)

Financial Derivatives

- Basic information and day trading data for Warrants, Callable Bull-Bear Contracts, Futures and Options.

Market Multifactor

- Based on calculation of the Multi-Factor Model of Fama & French, it provides 8 factors analysis, including Market Risk Premium, Size Premium, BE/ME Ratio Premium, and etc.

TEJ Audit Quality

- Required variants that affect and evaluate the audit quality and accountancy firms' information are included.

TEJ Company Governance

- Formed by public corporations, controlling shareholding, deviation, structure of directors and supervisors, directors and supervisors' salaries and independent director and supervisor, and etc.



Main Menu: DB Categories (II)

TEJ FUND

- Fund DB, including fund attributes, net worth, shareholding by week/month, ratings, turnover ratio, news and etc.

TEJ BOND

- Domestic Bond, Corporation Bond, Convertible Bond and ECB information materials.

TEJ PUB

- Database for public companies, including financial reports and ratio, stock price, shareholding by board of directors, monthly revenue, capital formation and etc.

TEJ Bank

- Financial institute DB of business sub-items, including bank deposits analysis, bank loans analysis and etc



Home screen & Introductions to common features

Export data

Criteria setting

Review mode

Drawing

News

Font-size-adjust

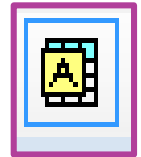
The screenshot shows the TEJ+ Data Bank software interface. The title bar reads "TEJ+ Data Bank (Version 1.7.0.7) Server:10.10.20.206". The menu bar includes File(F), Edit(E), View(V), Setting(S), Search, Option, Interface, Technique Document(H), E Learning, and Help. The toolbar contains various icons for data manipulation and analysis, including "Table Tools", "ID", "FLD", "Date", "A", "R", "S", "X/Y", "Avg", "Sum", "Unit", and font size adjusters "A+" and "A-".

The main window displays a web browser with the TEJ website. The website header features the TEJ logo and the text "Taiwan Economic Journal" and "Timely verified data for the financial industry". Below the header is a navigation menu with links for "首頁", "關於TEJ", "TEJ資料庫", "TEJ產品", "客戶專區", "投資學苑", "人力資源", "IFRS專區", and "TEJ安裝".

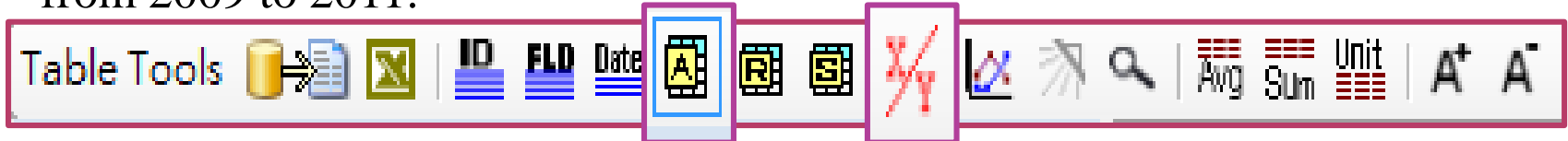
The website content includes a "學校專區" (School Special Area) section with a "Censrisk™ 市場風險評估系統" (Market Risk Assessment System) logo and a "TEJ+ 投研輔助系統" (TEJ+ Investment Research Assistance System) logo. A large blue banner advertises "IFRS TEJ DATA NEXUS ASSISTANT" and "TWGAAP", with the text "TWGAAP轉換到IFRS後，跨期、跨公司分析怎麼辦？ TEJ NEW IFRS DB是您分析IFRS的最佳DNA解碼器".

A sidebar on the left of the software interface lists a "Main menu of DB" (Database) with various categories and sub-items, including TEJ TOP DB, TEJ Profile, TEJ Company DB, TEJ Finance DB, TEJ NEW Finance-New Accounting F, Banking Detail of Assets/Liability, TEJ IFRS Finance-New Accounting P, TEJ Derivatives, TEJ Multi-factors model, TEJ TDR(TEST), TEJ Audit quality Database, TEJ Corporate Governance, TEJ Dir. & Sup. responsibility and sp, TEJ Business Groups DB, TEJ Taiwan Enterprises Invests in Ch, TEJ Insurance DB, TEJ FUND DB, TEJ FUND RATING DB, and TEJ BOND DB.

Review Mode (I): Single Company (individual stock)



- ▶ For example, searching for HTC's revenue-related financial information from 2009 to 2011.



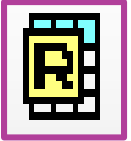
1. individual stock overview
(X Axis: field; Y Axis: time)

2. Cross-period comparisons
(X Axis: time; Y Axis: field)

2498 HTC		Query Date 200901-201112	Date Sorting	Data Range
IFRS TEJ Consolidated First Financial General(Acc)-4 (Company View)←Description				
	YYYY/MM	Total cash and cash equivalents	financial assets at fair value through	Available
1	2009/03	72,610,219	0	
2	2009/06	68,903,724	0	
3	2009/09	55,878,298	0	
4	2009/12	64,638,290	18,132	
5	2010/03	69,727,128	68,325	
6	2010/06	78,494,772	96,994	
7	2010/09	68,477,628	0	
8	2010/12	74,462,861	450,276	
9	2011/03	94,828,263	0	
10	2011/06	115,707,444	0	
11	2011/09	104,820,790	220,609	
12	2011/12	87,501,508	256,868	

2498 HTC		Query Date 201101-201303	Date Sorting	Data Range
IFRS TEJ Consolidated First Financial General(Acc)-4 (Across Period View)←Description				
	Field Name	2011/03	2011/06	2011/09
1	Total cash and cash equivalents	94,828,263	115,707,444	
2	Total current financial assets	0	0	
3	Financial Assets Available	442,557	733,446	
4	Held-To-Maturity Financial Assets	0	0	
5	Current derivative financial assets	0	0	
6	Current financial assets at fair value through profit or loss	0	0	
7	Current bond investments	0	0	
8	Accounts & Notes Receivable	61,757,184	69,994,288	
9	Construction contracts receivable	0	0	
10	Other Receivable	1,490,121	1,167,208	
11	Loan to Others - Short-Term	0	0	
12	Total inventories	29,718,517	30,943,105	

Review Mode (II): Multiple Companies (multiple stocks)



- ▶ For example, searching for revenue-related financial information of Catcher Technology, HTC, Largan Precision Co. and F-TPK in Q4, 2014.



1. Ranking
(X Axis: field; Y Axis: company)

2. Cross-company comparisons
(X Axis: company; Y Axis: field)

Query Date: 201412 | Date Sorting | ID Group | Field Group | Filter Group

IFRS TEJ Consolidated First Financial General(Acc)-4 (Ranking)←Description

	CO_ID	YYYYMM	Total cash and cash equivalents	financial assets at fair value through
1	3008 Largan	2014/12	24,100,464	0
2	3673 TPK	2014/12	29,539,623	0
3	2474 Catcher	2014/12	48,119,090	0
4	2498 HTC	2014/12	55,743,558	262,544

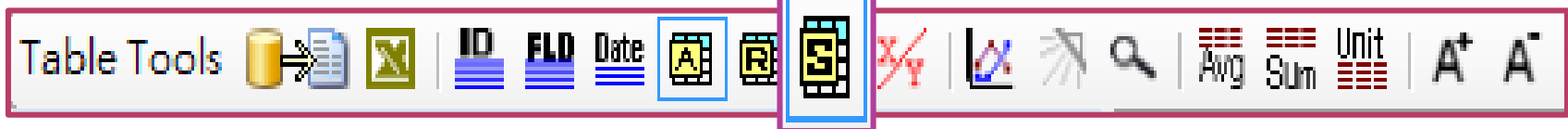
Query Date: 201412 | Date Sorting | ID Group | Field Group | Filter Group

IFRS TEJ Consolidated First Financial General(Acc)-4 (Across Company View)←Description

Field Name	2474 Catcher	2498 HTC	3008 Largan	3673 TPK
1 YYYYMM	2014/12	2014/12	2014/12	2014/12
2 Total cash and cash equivalents	48,119,090	55,743,558	24,100,464	29,539,623
3 Total current financial assets	0	262,544	0	0
4 Financial Assets Available for sale	0	0	3,445,479	0
5 Held-To-Maturity Financial Assets	0	0	0	0
6 Current derivative financial assets	0	0	0	0
7 Current financial assets measured at fair value	0	0	0	0
8 Current bond investments	18,103	7,918	0	16,736,884
9 Accounts & Notes Receivable	21,027,297	29,140,284	13,337,517	13,809,555
10 Construction contracts receivable	0	0	0	0
11 Other Receivable	402,715	584,936	286,580	5,677,871
12 Loan to Others - Short-Term	0	0	0	1,107,750
13 Total inventories	5,600,468	17,213,060	3,538,339	7,179,669
14 Current biological assets, measured at fair value	0	0	0	0
15 Total prepayments	511,756	6,626,106	50,806	18,558
16 Agency current-debit (financial assets)	0	0	0	0
17 Non-current assets classified as held for sale	634,185	0	0	0
18 Total current tax assets	21	274,321	0	376,172

Review Mode (II): Variant for Single Field

- ▶ For example, searching for Net Sales for Catcher Technology, HTC, Largan Precision Co. and F-TPK in 2011.



Single item comparison (X Axis: date; Y Axis: company)

Total cash and cash eq ▾ | Query Date **201101-201112** ▾ | [Date Sorting](#) ID Group ▾ Field Group ▾ Filter Group ▾

IFRS TEJ Consolidated First Financial General(Acc)-4 (Data View) ← Description

	CO_ID ◊	2011/03 ◊	2011/06 ◊	2011/09 ◊	2011/12 ◊
1	2474 Catcher	20,990,274	31,899,239	37,614,077	40,197,831
2	2498 HTC	94,828,263	115,707,444	104,820,790	87,501,508
3	3008 Largan	6,253,552	6,276,252	5,792,708	8,123,620
4	3673 TPK	5,250,654	20,486,218	14,501,132	10,382,671

Criteria Setting (I): Company Sample

▶ For example, set up Electronic Components Industry



Step 1 : Select market

Step 2 : Select industry

Step 3 : Move the desired company to the selected ID list on the right side

Step 4 : Name the group

Step 5 : Click “Save in Local Storage” to save the file

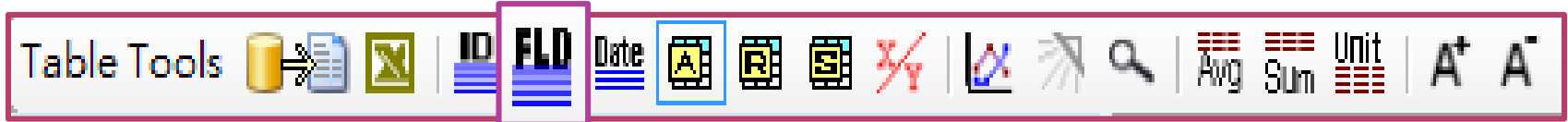


▶ Note: Industry Categories are based on the classification of the Taiwan Stock Exchange. Some industries with an underline in front would be the sub-category further classified by TEJ, such as _PC System, _Motherboard, etc.



Criteria Setting (II): Field Variants

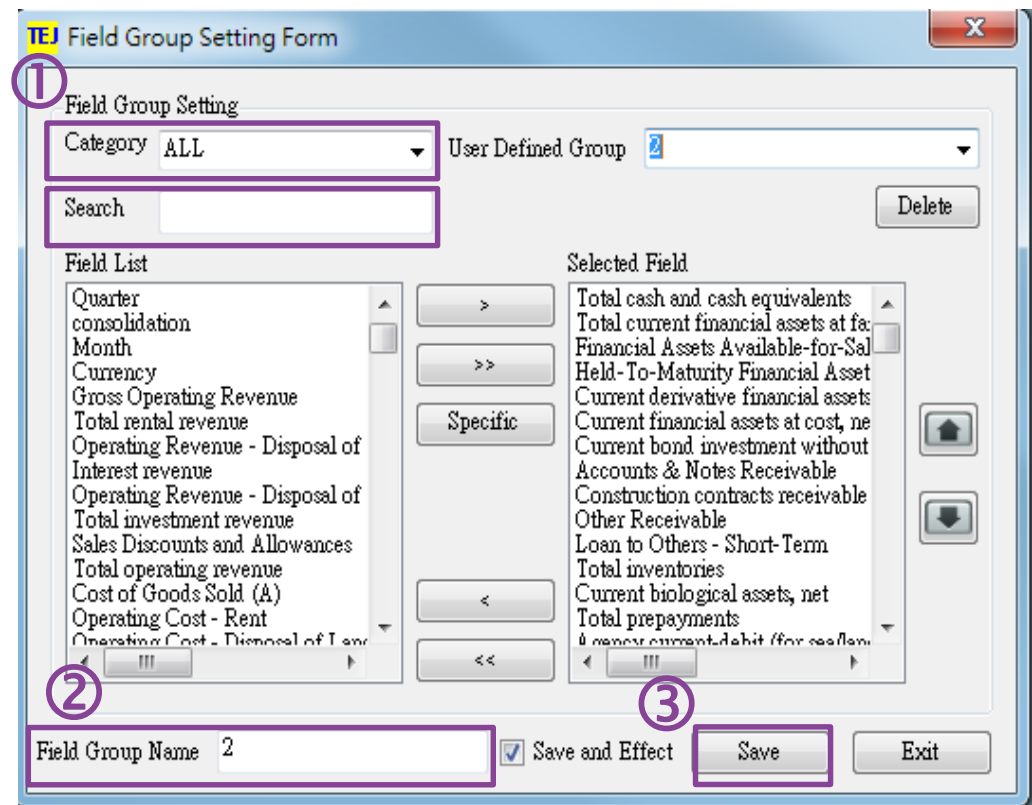
- ▶ For example, set up “revenue, cost, expense, net income “subjects



Step 1 : Use “Category” and “Search” to look for the desired field and move the “Selected Field” to the right side.

Step 2 : Enter a catchy name in group field name for future reference.

Step 3 : Click “Save”.



Criteria Setting (II): Date

- ▶ For example, set up the date by the year-end date of 2005-2011.

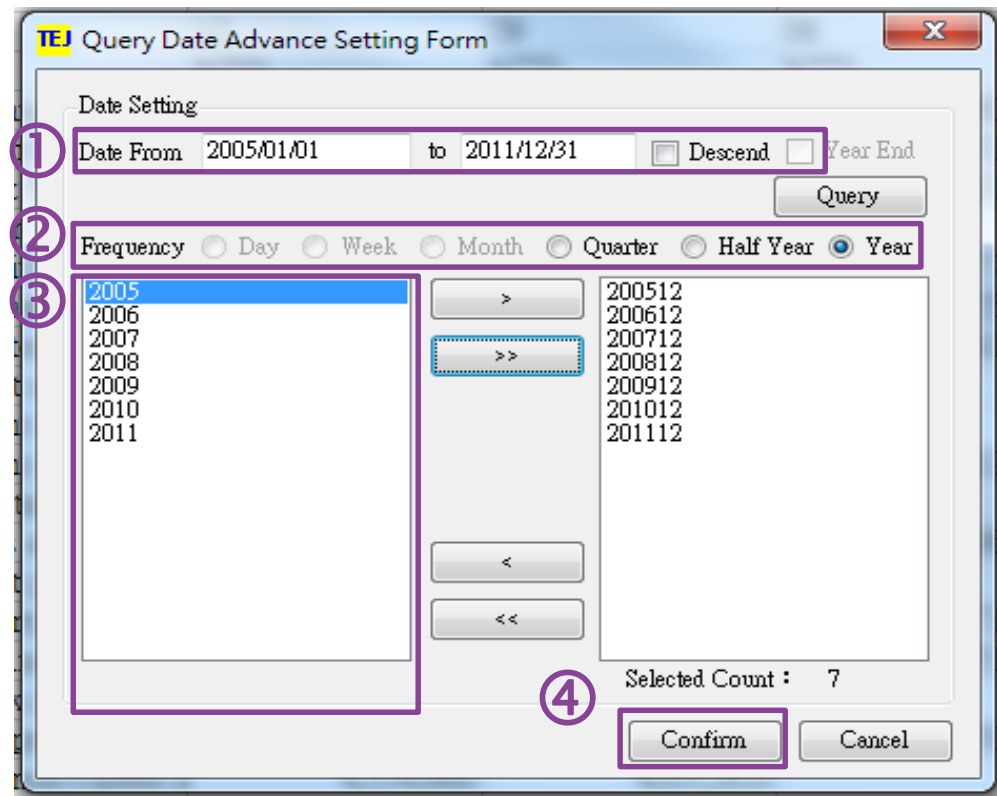


Step 1 : Enter date interval (8 characters in Arabic numbers)

Step 2 : Select frequency

Step 3 : Move required date to the selected list on the right side.

Step 4 : Click “OK”.

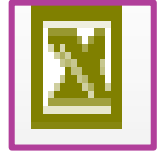


The image shows a dialog box titled "Query Date Advance Setting Form". It contains the following elements:

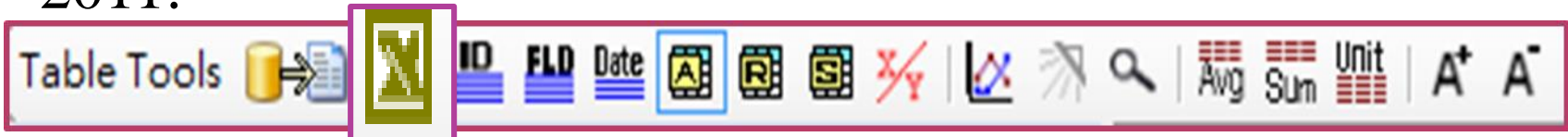
- Date Setting:** A text box for "Date From" containing "2005/01/01", a "to" separator, and another text box for "Date To" containing "2011/12/31". There are checkboxes for "Descend" and "Year End".
- Frequency:** Radio buttons for "Day", "Week", "Month", "Quarter", "Half Year", and "Year". The "Year" option is selected.
- Date Selection:** Two lists of dates. The left list contains years from 2005 to 2011. The right list contains year-end dates from 200512 to 201112. A double arrow button ">>" is positioned between the lists, indicating that dates from the left list have been moved to the right list.
- Selected Count:** A label "Selected Count : 7" is located at the bottom right of the date lists.
- Buttons:** "Confirm" and "Cancel" buttons are at the bottom.

Four purple circles with numbers 1, 2, 3, and 4 are overlaid on the dialog box to indicate the steps: 1 points to the date range, 2 points to the frequency selection, 3 points to the date lists, and 4 points to the Confirm button.

Export Saved Data(1): Export to Excel



- ▶ For example, export HTC's financial statements from 2008-2011.



Step :
select required
information and click
“Export” to export
selected info to Excel.

*Note: Exported info is a
temporary file, make sure to
click Save As to save the file.

Field Name	Dec-11	Sep-11	Jun-11	Mar-11	Dec-10	
Quarter	4	3	2	1	4	
consolidation	Y	N	Y	N	Y	N
Month	12	9	6	3	12	
Currency	NTD	NTD	NTD	NTD	NTD	NTD
Total cash and cash equivalents	7,935,173	2,911,291	4,604,376	2,201,545	3,864,188	1,800,000
Total current financial assets at fair value through profit or loss	8,501,490	7,990,624	7,836,468	6,662,736	8,310,945	10,110,000
Accounts & Notes Receivable	963,491	2,541,131	931,103	2,090,790	1,077,257	1,850,000
Construction contracts receivable	-	-	-	-	-	-
Other Receivable	0	80,473	0	57,516	0	0
Loan to Others - Short-Term	-	-	-	-	-	-
Total inventories	-	-	-	-	-	-
Non-current assets classified as held for sale, net	0	0	0	0	0	0
Total current tax assets	0	0	0	0	0	0
Total current assets	38,918,334	28,421,599	39,245,877	30,250,264	39,834,513	33,000,000

Export Saved data (II): Download Filter

(download a large number of data)



Table Tools



- Step 1 : Select required company samples or selected ID groups.
- Step 2 : Select required field variants or field groups that are already set up.
- Step 3 : Select required date or click **Date List** to choose specific date or frequency.
- Step 4 : Set the route for saved data
- Step 5 : Click “Convert”.

*Note: Please click O.K. when the below screen pops out. The numbers of company sending out together at one time will not affect the converting result.

Input number of companies transferred per batch

No of Companies transferred per batch: 398

** If failed, please decrease the number.

OK Cancel

TEJ Export to File 「IFRS_TEJ Consolidated First(Acc)-ALL」

Select ID: ALL

000116 Jih Sun Securities
 000930 Hua Nan Sec.
 000960 Fubon Securities
 000980 Yuanta
 0009A0 SinoPac Securities
 1101 Taiwan Cement
 1102 Asia Cement
 1103 Chia Hsin Cement
 1104 Universal Cement
 1108 Lucky Cement
 1109 Hsing Ta Cement
 1110 Tuna Cement

Select Field: ALL

Quarter consolidation
 Month
 Currency
 Total cash and cash equivalents
 Total current financial assets at f
 Accounts & Notes Receivable
 Construction contracts receivable
 Other Receivable
 Loan to Others - Short-Term

Basic Data Field Setting

Market
 List_date
 TSE ID
 TEJ Sector
 TSE Sector
 Fiscal Year End
 Ban Code
 ISIN Code
 Tel No.

Date Range

Start Date: 20150301
 End Date: 20160301

Use select date Last1

Select Date

Add "/" after date
 Add "," (1,000,000)
 With Weekday

Separator Setting

Field Separator T&B

Coid Add Separator
 Date Add Separator

Show null value as

- . N.A.
 Other

Start

Path

Order by Date

Field Caption

Name Name + ID

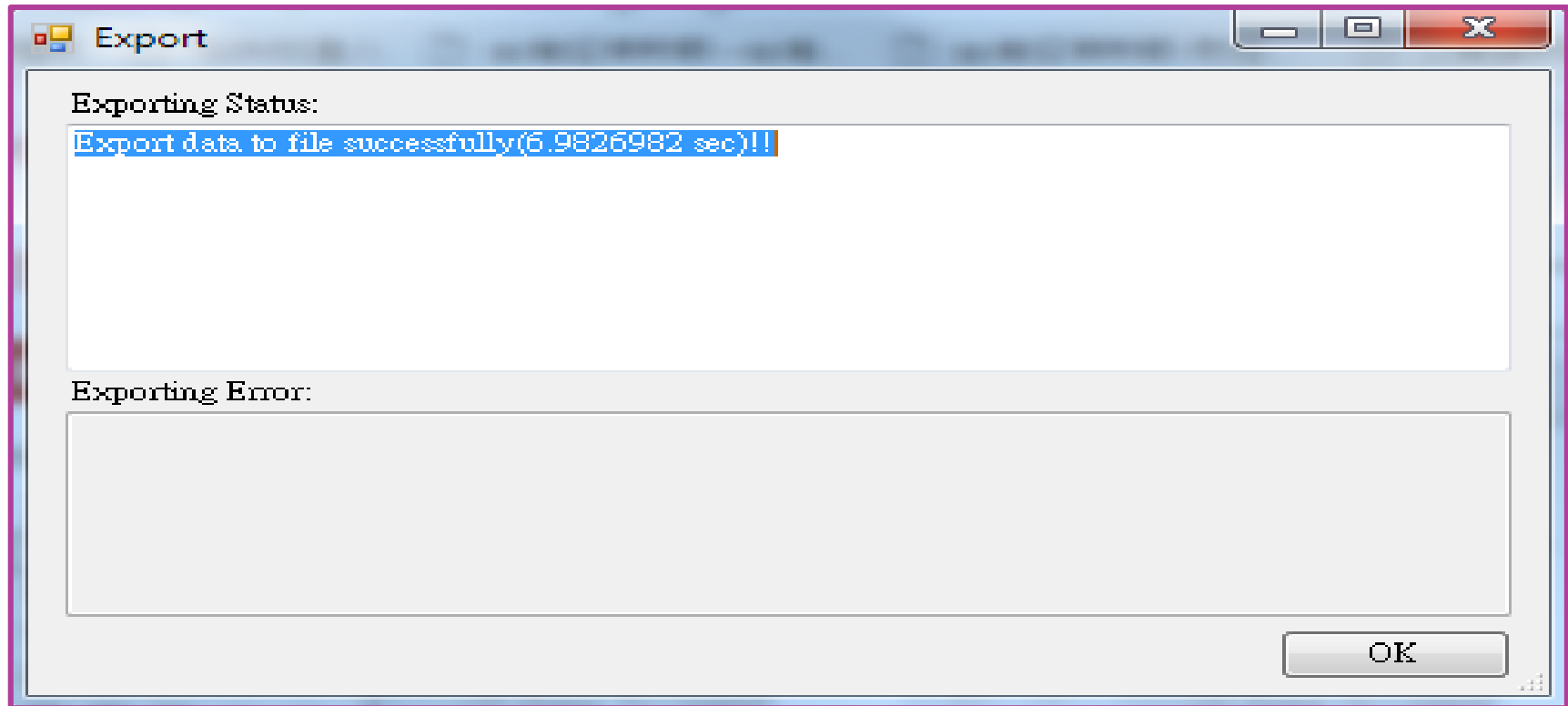
Close

c:\TEJ.txt | Ready

Export Saved data (II): Download Filter

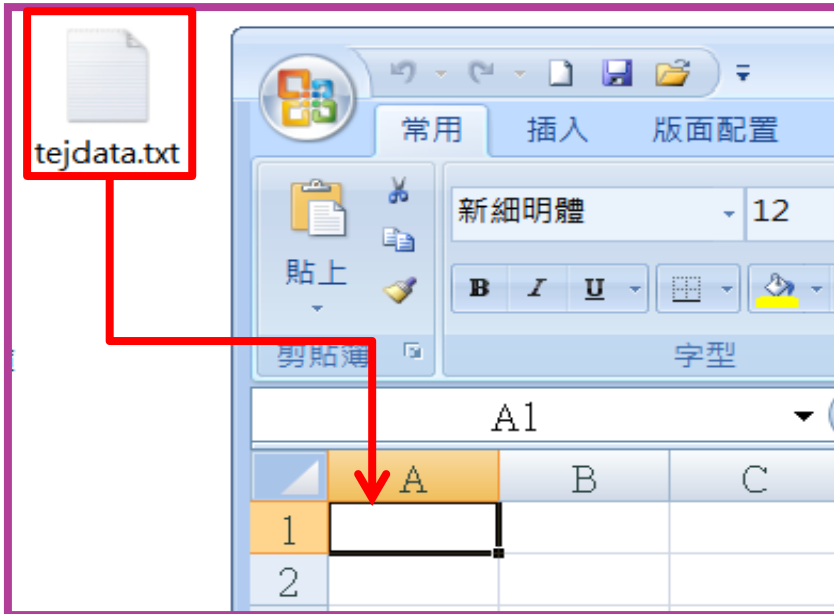
(download a large number of data)

- ▶ When “Export data to file Successfully” is shown, the file conversion is done.



- ▶ If content needs to be read in Excel, please drag the text file into the blank sheet.

Export Saved data (II): Download Filter (download a large number of data)



► Read the exported text file through special conversion in excel:

Step 1 : Click the text file with left mouse button (as shown on the left picture, press on the tejdata.txt)

Step 2 : Press and hold the left mouse button to drag the text file to the blank sheet and then release the left mouse button.

Step 3 : Data would be shown as below.

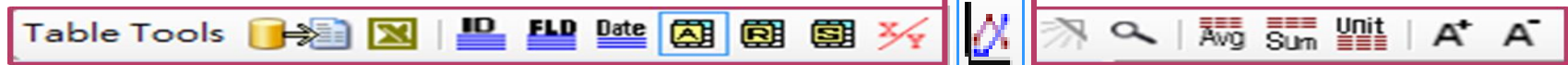
The image shows a Microsoft Excel spreadsheet with the following data:

	A	B	C	D	E	F	G	H
1	CO_ID	CoName	YYYY/MM	Quarter	consolidation	Month	Currency	Total cash and cash equivalents
2	116	Jih Sun Securities	201503	1	Y	3	NTD	4969155
3	930	Hua Nan Sec.	201503	1	Y	3	NTD	1791248
4	960	Fubon Securities	201503	1	Y	3	NTD	5549931
5	980	Yuanta	201503	1	Y	3	NTD	42635363
6	0009A0	SinoPac Securities	201503	1	Y	3	NTD	3702839
7	1101	Taiwan Cement	201503	1	Y	3	NTD	31406216
8	1102	Asia Cement	201503	1	Y	3	NTD	10953430
9	1103	Chia Hsin Cement	201503	1	Y	3	NTD	3152757
10	1104	Universal Cement	201503	1	Y	3	NTD	295188
11	1108	Lucky Cement	201503	1	Y	3	NTD	241190
12	1109	Hsing Ta Cement	201503	1	Y	3	NTD	742988

Auxiliary functions (I): Drawing



- ▶ For example, showing revenues, net income, sales growth rate and net income growth rate of Catcher Technology, HTC, Largan Precision Co. and F-TPK in Q4, 2011 with pictures.



Step 1 :

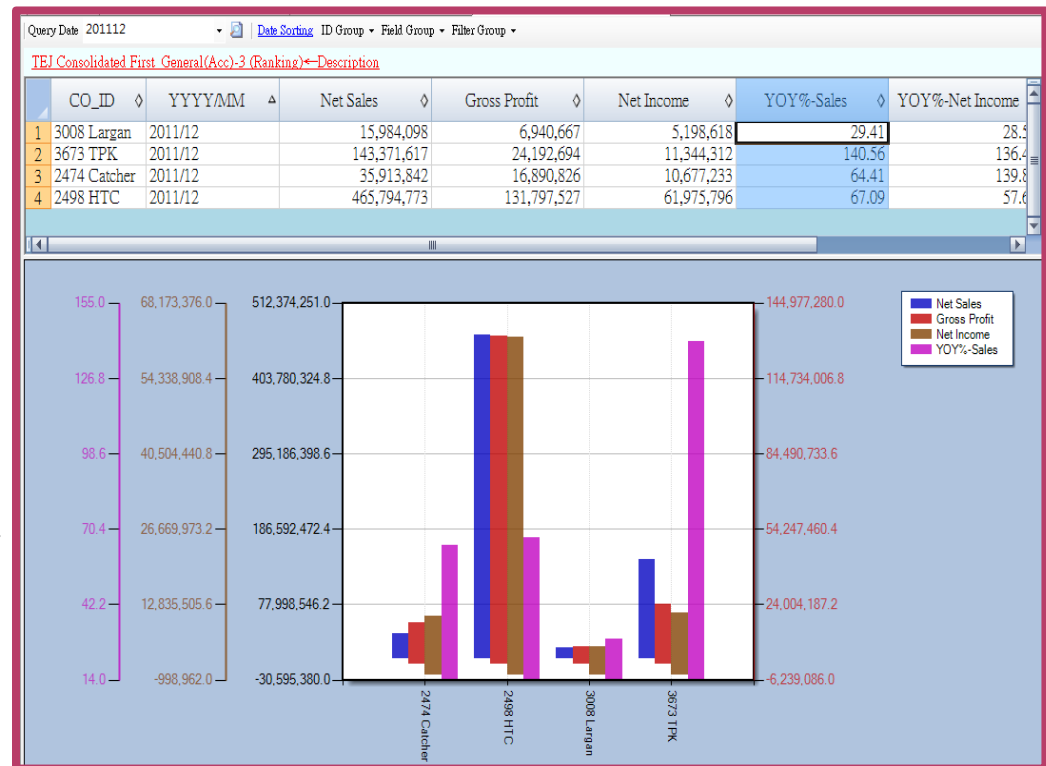
Click the data, press and hold the fields to drag them to the picture window, and then the pictures would be drawn.

Step 2 :

Press the right mouse button, select copy picture or save picture.

*Note: Press right mouse button at the picture window for:

1. Selecting picture pattern (line chart/bar chart/point chart)
2. Switching multiple Y Axes /single Y Axis



Auxiliary Functions (II): Financial Statements & Value-added Data Base Information

TEJ 台灣經濟新報TEJ+ (Version 1.6.9.3)

檔案(F) 編輯(E) 檢視(V) 設定(S) 選項 搜尋 介面設定

技術手冊(H)

線上教學

關於TEJ+(A)

操作手冊

資料庫技術手冊

Step 1 :

Open the following data base items in the folder and download the technical manuals accordingly. More manuals will be uploaded. (The numbers of download items are subject to the data base purchase agreement made by each department.)

- ✓TEJ Finance D8
- ✓TEJ New Finance D8
- ✓TEJ Taiwan Audit Quality Analysis Model
- ✓TEJ Taiwan Banking Risk Model
- ✓TEJ Taiwan Company Governance Model
- ✓TEJ China Banking Model
- ✓TEJ China Company Governance Model
- ✓TEJ China Audit Quality Analysis Model

Step 2 :

Click **Technical Manual**, and select **Data Base Technical Manual** to look up related technical manuals.



財務資料技術手冊_基礎篇

財務資料技術手冊_進階篇

財務資料技術手冊_公報篇

Auxiliary functions (III): Read Related Articles

Step 1 :

Double click on the left mouse button on the main menu-Money Watching & Credit Rating Bimonthly Journal

Step 2 :

Go to search homepage and enter key words, related PDF files would be available for download.

①



This bimonthly journal, issued by Taiwan Economic Journal, is written for a particular topic by TEJ researchers and can be used as research reference.

The screenshot shows the TEJ (Taiwan Economic Journal Co., Ltd) search homepage. The header includes the TEJ logo and contact information. A search bar contains the keyword '股價'. Below the search bar, there are checkboxes for search criteria: '主題' (checked), '篇名', '作者', and '不限欄位'. A search button is visible. Below the search results, a table lists articles with columns for '期數', '發行年度', '發行月份', '主題', '篇名', and '作者'.

期數	發行年度	發行月份	主題	篇名	作者
79	2009	9	編輯室報告	台股異象—盈餘波動度大於股價波動度	社長
78	2009	9	TEJ景氣指標	TEJ營收及盈餘指數走勢分析—股價偏離基本面，有修正壓力	陳俊佑
74	2008	11	投資策略專題	亞洲八地股票市場股價溢折價分析	林俊顏、羅靖霖
69	2008	1	事件研究專題	上市公司財務預測更新與實施庫藏股買回的股價效應—使用報酬指數的實證研究結果	周偉華、鍾俊文



Quick Start to Event Study

1

- Introduction to Event Study

2

- What is event day, event period and estimation period?

3

- 4 simple steps to TEJ Event Study System

4

- I. Set up data type

5

- II. Event Day selection

6

- II. Event Day selection-A. import custom samples

7

- II. Event Day selection-B1. financial news index

8

- II. Event Day selection-B2. specific events

9

- II. Event Day selection-B3. stock market chronicles

10

- III. Setting up Estimation model

11

- IV. Calculation check and storage

Introduction to Event Study

What is Event Study?

- **Event Study** is the research result derived from Verification Methodology which could be traced back to Ball and Brown, Fama, Fisher, Jensen and Roll in 1960s, as it is still widely applied by the recent empirical researches in accounting and financial field.

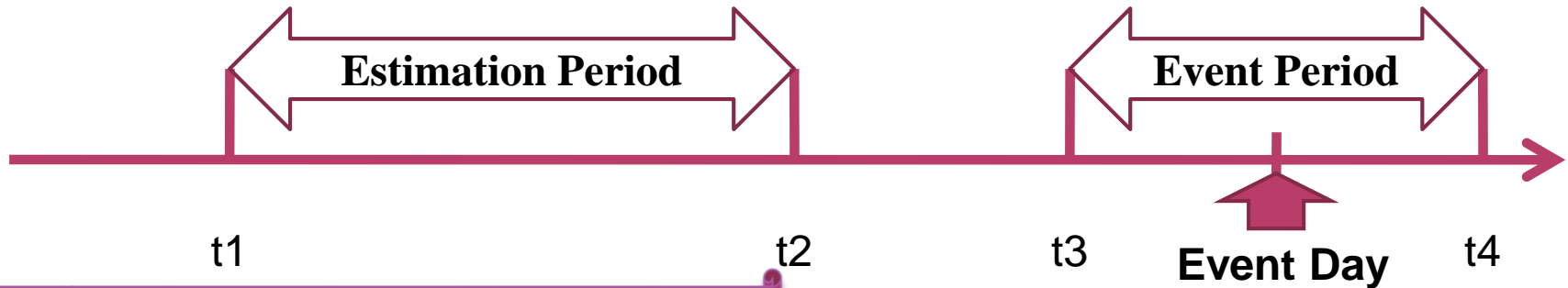
What is the purpose for Event Study?

- Event Study aims to **examine abnormal returns through statistics**, as well as to confirm if a certain event **affects the company's stock price** in which proves if there is a correlation between stock price fluctuation and this event.

The procedure for Event Study

- 1. Decide event and event day
- 2. Estimate abnormal returns
- 3. Verify abnormal returns
- 4. Analyze result and provide explanation

What is Event Day, Event Period & Estimation Period?



How to set up the length of event period and estimation period?

Event period should include event intervals affected by the event, such as repurchase of treasury stock and announcement date of M&A. Event period is usually broader than occurred day (event day), as it includes a period of time before and after the event in which the variations of the dependent variable (i.e. stock price and profit) would be produced after the event. Meanwhile, the stock price before the event will be a good reference for examining the effect of presage and information disclosure over the event.

Estimation period or **estimation window** is to apply the statistics derived from this period to calculate the dependent variable if the event does not occur, i.e. the expected rate of return. As expected rate of return compares with the dependent variable changed during the event (i.e. realized rate of returns), the abnormal return of this event will be calculated.

In general estimation interval will be longer than event interval, as there is no evaluation standard for most of the event studies, interval set-up needs to be based on individual research as well as relevant literature and discussed with the advisor.

4 Steps to TEJ Event Study System

1. Set up data source
- Select Security Market
 - Data frequency selection
 - Return rate type selection

2. Event Day selection
- Customize upload
 - News index
 - Specific event day index

3. Setting for Estimation Model
- Mean-Adjusted Model
 - Market Adjusted Returns model
 - OLS Risk-Adjusted Returns Model
 - Garch Risk-Adjusted Returns Model
 - Scholes-Williams OLS Risk-Adjusted Returns Model
 - Estimation period & event period setting
 - the shortest period setting for estimation period
 - Set up missing return for event period

4. Calculation check and storage
- Result list: estimation statistics, estimation summary, residual data, abnormal return data, deleted record review, original return (or turnover rate) data.
 - Results can be stored in the designated folder

Start to calculate

I. Set up Data Type

Step 1 **Market**: colored flags represent applicable market information.

Step 2 **Data frequency**: breaking down into three kinds of frequency: day, week and month. (Special Note: frequency type will affect the event and the unit of estimation period.)

Step 3 **Return Type Selection**: continuously compounded return, simple return, and turnover rate.

PS. For further instructions or explanation of event study, please click the [Technical Document](#) and [Guidebook](#) in the upper right corner.

TEJ Event Study (Version 1.3.0.5)

Event Study Name: Event Study Project

Guidebook

Data type: Select the event date | Expected model

Markets

- China
- Taiwan
- Hong Kong
- Singapore
- Korea
- Malaysia
- Philippines
- Thailand

Frequency

Daily

Return Type

Continuous Compoundin

Next

II. Event Day Selection

- ▶ Setting up event day can be carried out in two ways:

A: **Import Samples:** establish custom TXT or CSV sample list and import to the system.

B: **Event Day Index:** the system provides three indices(financial news index, specific event, stock market chronicles) to select event day.

TEJ Event Study (Version 1.3.0.5)

Event Study Name: Event Study Project

Data type: Select the event date Expected model

Stock Sample

Security Code: [input field] Add Select All Delete

Event Date: 20160302 Unselect All

Security Code	Security Name	Event Date	Delete
---------------	---------------	------------	--------

Allow Duplicate?
 Notify If Duplicate? Number Of Stocks:0 Records

Samples Import Search

Next

II. Event Day selection:

A. Import Custom Samples

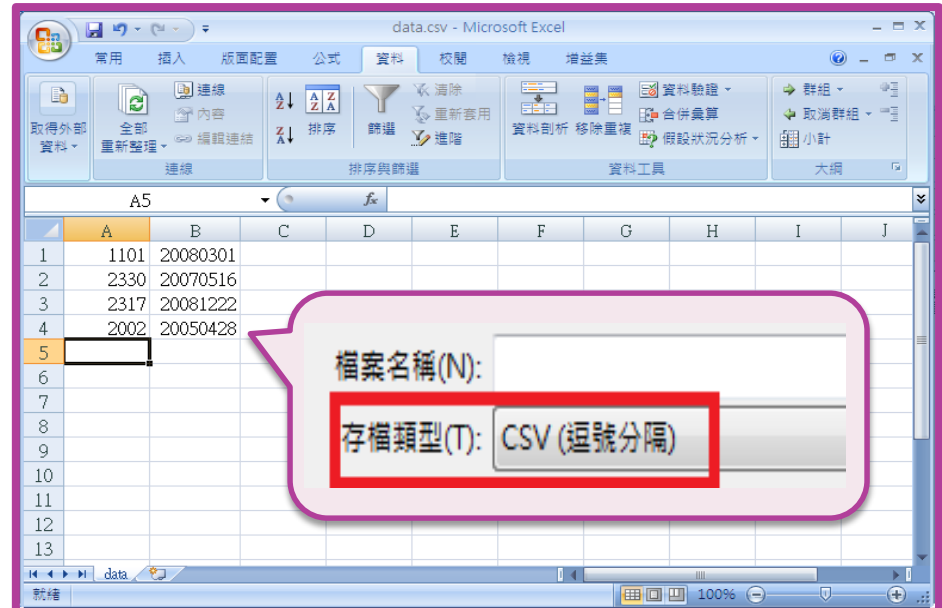
CVS Format produced by Excel

Enter stock symbol (4 numbers)
in field A

Enter event date (8 numbers)
in field B

Please do not change settings once
information is entered

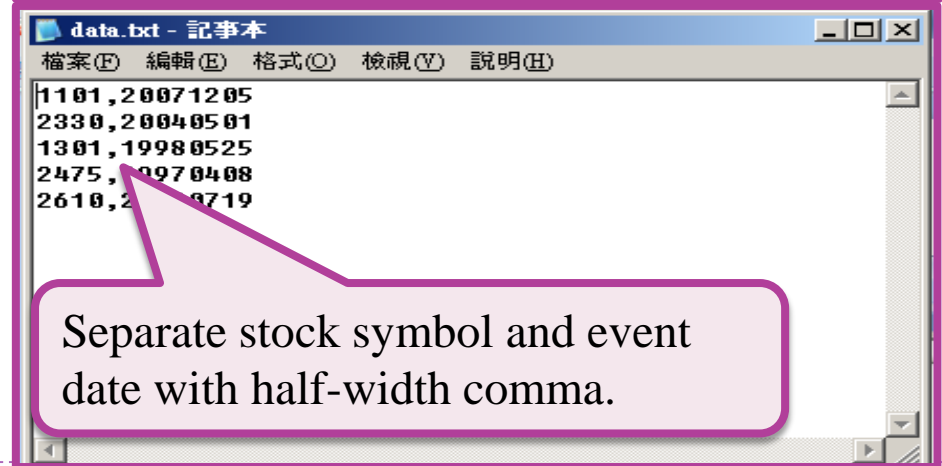
Choose **CVS** (separated with comma)
in Save File Type



TXT Format produced by Notepad

Enter stock symbol (4 numbers)
first, break with a **half-width
comma**, and then enter event date (8
numbers).

Choose **TXT** in Save File Type



II. Event Day Selection:

B1. Financial News Index

STEP3 : Click and add to sample list.

STEP1 : enter query criteria

- I. Enter **date interval**
- II. Enter **news key words**
- III. Set for search **Title or Content**

STEP2 : Set for Securities Sample (two out of one)

(A) Enter the ticker symbol for securities to search

Or (B) Select industry to search

- I. Select industries
- II. Tick off set for sample
- III. Click **“Add”** tab

新聞檢索 - 台灣市場

金融新聞檢索 特定事件 股票市場大事記

金融新聞檢索-根據不同公司碼, 關鍵詞與日期區間查詢

輸入查詢條件

區間: 20080616 20090616 證券代碼: 2330 選擇產業: [] 查詢

新聞標題

日期	公司碼	新聞標題	
2008/11/03	2330	* 因應明年半導體市況 聯電、日月光採購併購策略聯盟	+
2009/02/24	2330	* 亞光: DSC 和新產品是今年成長動力, 任何M&A 都是好機會	+
2009/04/21	2330	* 訂單回春 台積電百億買設備	+
2009/06/12	2330	* 大將陸續到位 台積電切入綠能產業 這次來真的!	+

目前新聞筆數: 4筆

新聞內容

台灣各家半導體大廠對於2009年半導體產值衰退的看法已成共識, 為因應苦日子來臨, 提高現金部位的持盈保泰策略是各家有志一同, 不同的, 半導體廠對於併購或合作看法有所不同, 台積電和力成表明暫無併購對競爭對手沒興趣; 而日月光和聯電相對積極, 聯電宣稱日月光認為透過與國際客戶策略聯盟, 可降低成本, 在主要和聯電將會是這波不景氣中在併購或策略聯盟扮演主導角

目前樣本

證券樣本清單

證券代碼: [] 加入 全選 全不選 刪除

證券代碼	公司名稱	事件日	刪除
2330	台積電	20081103	<input type="checkbox"/>
2330	台積電	20090224	<input type="checkbox"/>
2330	台積電	20090421	<input type="checkbox"/>

產業分類

請選擇產業分類: 水泥工業

代碼	名稱	勾選	全選
1101	台泥	<input checked="" type="checkbox"/>	全不選
1102	亞泥	<input checked="" type="checkbox"/>	
1103	嘉泥	<input checked="" type="checkbox"/>	

確定加入

回到主選單

II. Event Day Setting: B2. Specific Events

STEP 1: Event interval

- I. Enter **query interval**
- II. Set for **specific event categories**
- III. Set for **securities sample**
- IV. Click "Search" tab

STEP 2 :

- I. Tick off research sample
- II. Click "**Add to Sample**" tab

STEP 3 : Set the event day as date of **declaration or transaction date** and click "O.K." tab.

Security Code	Security Name	Event Date	Delete
1103	Chia Hsin Cement	20150828	<input type="checkbox"/>
1313	UPC Technology	20141111	<input type="checkbox"/>
1313	UPC Technology	20150205	<input type="checkbox"/>
1313	UPC Technology	20150610	<input type="checkbox"/>
1313	UPC Technology	20151210	<input type="checkbox"/>

II. Event Day Selection:

B3. Stock Market Chronicles

STEP1 : Data Interval

- I. Enter **date interval**
- II. Select **event categories**
- III. Set for **securities sample** and search

STEP2 : Selection

- I. Tick off research sample
- II. Click **“Add to Sample”** tab

*** Stock Market Chronicles**
(TEJ will divided major events in the stock market into different categories)

新聞檢索 - 台灣市場

金融新聞檢索 | 特定事件 | 股票市場大事記 | 回到主選單

資料區間
區間: 20000611 - 20090611

事件分類
手續費、證交稅、證所稅
外資投資法規
手續費、證交稅、證所稅
股票漲跌幅
融資融券
期貨、債券、衍生性商品
國內人物記事
央行利率
國內指數

公司碼選擇
證券代碼: [] 自行輸入
選擇產業: [] 匯入 [] 全部清除

代碼	代碼
1	1333
2	1336
3	1435
4	1437
5	1471

市場大事記
全選 | 全不 | 刪除 | 加入樣本

日期	大事記	勾選
2008/09/11	* 行政院宣布，決向立法院提出修改證券交易稅條例修正案，將證券半課徵，由現行千分之3降為千分之1.5，期限半年。	<input checked="" type="checkbox"/>
2003/07/09	* 立法院三讀通過不動產證券化條例，同時免徵證交稅。	<input type="checkbox"/>
2002/01/04	* 立法院三讀通過買賣公司債與金融債券，免徵證券交易稅。	<input type="checkbox"/>
2000/10/18	* 證期會放寬二類股票交易限制：只要在證券商受託買進金額不超過備金的三倍，券商可取消向投資人預收款券。	<input type="checkbox"/>

目前樣本

證券代碼: [] 加入
事件日: 20090611

證券樣本清單
儲存樣本
全選 | 全不選 | 刪除

證券代碼	公司名稱	事件日	刪除
1333	恩得利	20080911	<input type="checkbox"/>
1336	台翰	20080911	<input type="checkbox"/>
1435	中福	20080911	<input type="checkbox"/>
1437	勤益	20080911	<input type="checkbox"/>
1471	首利	20080911	<input type="checkbox"/>
1569	濱川	20080911	<input type="checkbox"/>
1582	信錦	20080911	<input type="checkbox"/>
1585	鐘鉅	20080911	<input type="checkbox"/>
1604	聲寶	20080911	<input type="checkbox"/>
1785	光洋科	20080911	<input type="checkbox"/>

允許重複樣本
 重複樣本提示
目前證券數：869筆

回到主選

III. Set up Estimation Mode

Step 1: Select estimation model

Step 2: Based on the estimation model, enter **category, index code, estimation period, event period** accordingly.

Step 3: Decide minimum sample size during the estimation period.

Step 4: Set up samples when the missing return arises during event period.

Step 5: Click “Calculate” tab

P.S

1. It is not mandatory to select two index codes.
2. Estimation period and event period is based on individual research design. The picture is for reference only and are not considered the only one standard.

TEJ Event Study (Version 1.3.0.5)

Event Study Name: Event Study Project

Data type | Select the event date | Expected model

Method

- The average adjustment model
- Market index adjustment model
- OLS risk adjustment model
- GARCH risk adjustment model
- Scholes-Williams OLS risk adjustment model

OLS Adjusting Model

Index Classification: TSEC | TSEC

Index Code: TSE Taiex | Please Select ...

Estimation period: -1000 | Period ~ 1000 | Period

Event period: -600 | Period ~ 600 | Period

The minimum samples of the estimated period: 100

Deal with the missing data of the event date

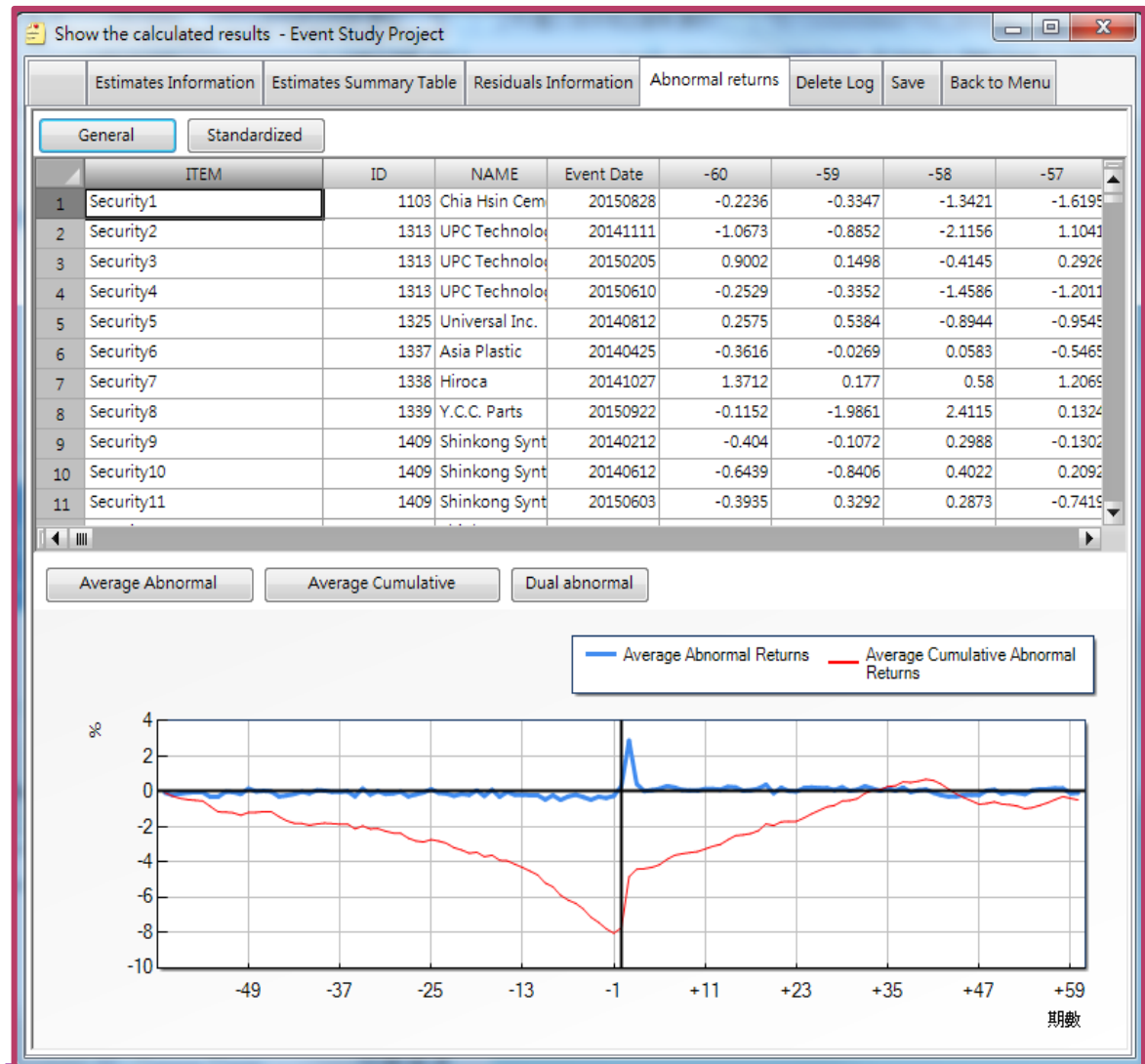
- Delete Samples
- Replace missing value by zero

Tips to save samples

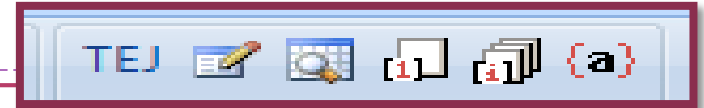
Calculate

IV. Calculation check and storage

- ▶ Calculation is shown as the picture on the right, including estimation data, estimation summary, residual data, abnormal return and delete record review.
- ▶ Click Save will allow exported sheets to be saved in designated locations.
- ▶ Please click right mouse button on the picture to “Save As Picture” if needed.



Quick Start to TEJ Smart Wizard



1

- Introduction to Smart Wizard Toolbar

2

- Criteria Setting-information, company, date, others

3

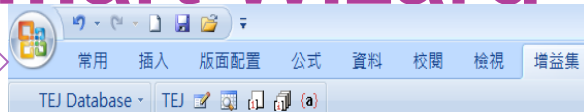
- Modify Criteria Setting –Function of lowercase **a**

4

- Example: Cross data base download

TEJ Smart Wizard Toolbar

Excel 2007
Toolbar style

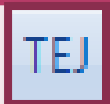


Excel 2010
Toolbar style



Function Button

Function Description



TEJ: Link to TEJ Official website-Download TEJ Smart Wizard example



Parameter: System parameter setting: change languages/ select database country(Language selection: Traditional Chinese, Simplified Chinese, English; Country Selection: based on the DB purchase)



DB Query: Setting up required data criteria



Update Worksheet: Update single worksheet only



Update Workbook: Update the current Excel file

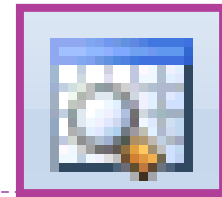


a: Edit function

When the cursor stops at the red mark on the upper left corner in the exported table by TEJ Smart Wizard, tap on **lowercase a** button to call for the former setting and edit again.

*TEJ Smart Wizard Toolbar will be installed in the Add-ins of Excel 2007 (TEJ Smart Wizard Toolbar shows directly in Excel 2003 Toolbar). If TEJ Smart Wizard Toolbar fails to be executed, please call TEJ Customer Service line @ 02-87681088#120, our professional will provide assistance.

TEJ Smart Wizard-Criteria Setting



The screenshot displays the TEJ Smart Wizard (Version 3.5.1.0) interface, which is divided into four main sections, each highlighted with a red border and a text box indicating the step:

- Step 1: Information source**: This section is located in the top-left quadrant. It includes fields for 'Data Source' (Type: TSEC+GreTai, SmartID: TEJ TOP DB, Data: High Risk Stock Screening DB), a 'Search' field (Market), and a list of criteria such as Industry Type, Stock Price, ROI%_Daily, AP 20, AV 20, Book Value, Recurring EPS, and RM_Attention. Buttons for 'Select', 'Select All', 'Clear All', and 'Clear' are visible at the bottom.
- Step 2: Company setting**: This section is in the top-right quadrant. It features a 'Company Setting' area with a 'Set Industry' checkbox and a list of industry options (e.g., Common Stock, Common Stock(Include ETF)). Below this is a 'Sector' dropdown (Common Stock) and an 'Import Codes' button. A search field contains '1101=>Taiwan Cement' with a 'Select' button. A list of 'Companies' is shown, including '1101=>Taiwan Cement', '1110=>Tuna Cement', '1201=>Wei Chuan Foods', '1203=>Ve Wong', and '1210=>Great Wall'. Buttons for 'Select', 'Select All', 'Clear All', and 'Clear' are at the bottom.
- Step 3: Date setting**: This section is in the bottom-left quadrant. It includes a 'Date Setting' area with a 'Date Range' (2015/03/02 to 2016/03/02), a 'Descending' checkbox, and a 'Search' button. Below this are radio buttons for 'Frequency' (Daily, Weekly, Monthly, Quarterly, Yearly) and a 'Date' dropdown (Last Period, Last). A list of dates (20160223, 20160222) is shown. Buttons for 'Select', 'Select All', 'Clear All', and 'Clear' are at the bottom.
- Step 4: Other setting**: This section is in the bottom-right quadrant. It includes a 'Single Code/Date' dropdown (No Designation, Code, Date), a 'Load' button, and a 'New Table' checkbox. A list of 'Measures' is partially visible. Buttons for 'Clear All Setting', 'Next', 'Export to Excel', and 'Preview' are at the bottom.

TEJ Smart Wizard -Criteria Setting 1: Information Source

Main Page Transformation Style Format Preview File Manager

Data Source

Type TSEC+Gre Tai+Emerging+Others

SmartID TEJ Equity Key=2

Data TSE/OTC Adjusted_Price(Daily)-ROI

Search Day ID Search

UOM -

field	Selected Field
Day	Day
Unadj Close Price	Unadj Close Price
ROI_D%	ROI_D%
ROI_Weekly %	ROI_Weekly %
ROI_Monthly %	ROI_Monthly %
ROI_Quarterly %	ROI_Quarterly %
ROI_Yearly %	ROI_Yearly %
ROI_W Begin %	ROI_W Begin %
ROI_M Begin %	ROI_M Begin %

Select Select All Clear All Clear

Information Type:

Select sample range, the Smart ID list below will change with the company list on the right simultaneously.

For example:

- 1.If Macroeconomics DB is required, info type needs to be changed into Macroeconomics.
- 2.When checking a listed and GRETAI listed company during a certain period, please select **listed+GRETAI listed + delisted** company

Type & Data: Category is as the same as the TEJ main menu.

Type: Database category

Data : Database

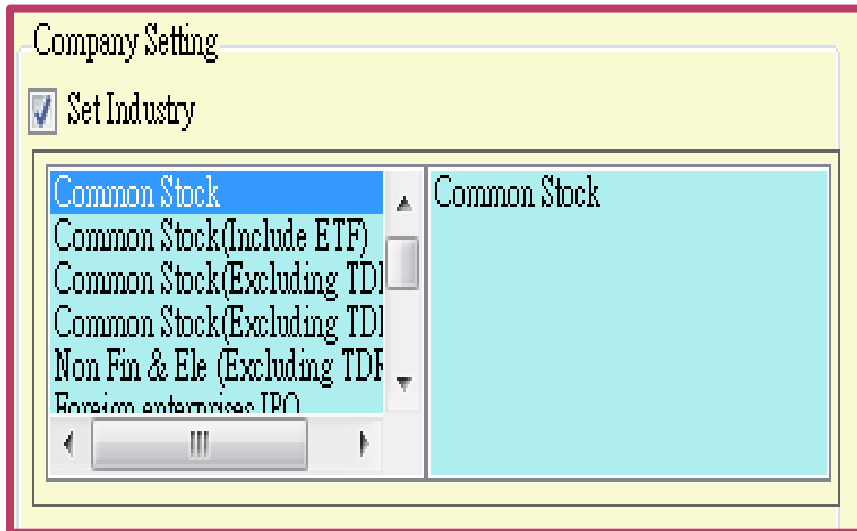
Select Field:

Left-clicking the mouse twice can select or remove the required info while press Ctrl or Shift can select fields consecutively.

Mobile Arrow Keys:

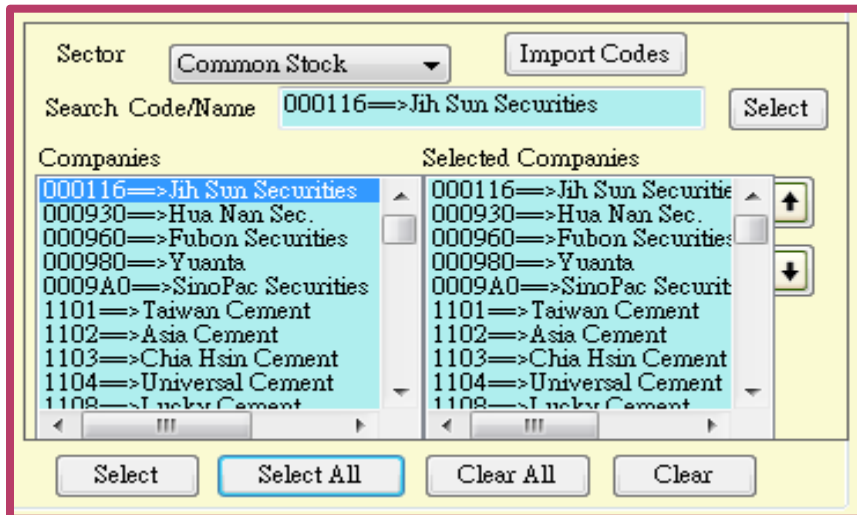
can adjust field order, but only one field at a time.

TEJ Smart Wizard -Criteria Setting 2: Company



Designate industry:

If the sample criterion is fixed as common stock or certain industry, tick off Designate Industry. For example, when the user **designates-steel industry**, the file will update company list automatically whenever a new company joins or the old one drops out.



Designate Individual Stock:

- Method 1: Select a certain industry based on the required company
- Method 2: Import selected company groups-> copy the company list with company code-> right click the mouse-> import the info from Clipboard

TEJ Smart Wizard -Criteria Setting 3: Date

Date interval: Default interval is the current year, the interval can be changed manually.

Ascending/Descending order: The default is in descending order, if ascending order is required, untick the default box and re-select the date. Exported data will adhere to this setting and show in ascending/descending order accordingly.

Frequency:
Custom frequency

Select date:

Left-clicking the mouse twice can select or remove the required date while press Ctrl or Shift can select dates consecutively.

Adv. Date Option Adv. Date Option

Date Setting

Date Range 2015/03/02 to 2016/03/02 Descending Search

Frequency Daily Weekly Monthly Quarterly Yearly

Date Last Period Last Calendar Date

20160302
20160301
20160226
20160225
20160224
20160223
20160222

Most recent period: The most recent data setting will be extracted from all the selected fields.

Select Select All Clear All Clear

TEJ Smart Wizard -Criteria Setting 3: Date (Advanced)

Step 1: Tick off advanced field for date selection

Step 2: Set up date range

	Field Name	Date Type	No.
▶ 1	Day	LAST	
2	Unadj Close Price	LAST - Actual Dates	
3	ROI_D%	DATE RANGE	
	ROI_Monthly %	MIN	
		WEEKLY	
		MONTHLY	
		QUARTERLY	
		HALF-YEARLY	
		YEARLY	

Step 4: Apply to all fields

Step 3: Choose return type

Step 5: Okay

Example 1: Data required in recent periods

Date range: Choose **Recent N Periods**

Transactions: enter required periods

(e.g. 5 stands for the recent 5 periods)

Example 2: Search for data in a certain period

Date range: select Date Interval

Start date: yyyyymmdd (e.g. 20120101)

End date: 99999999

->the field shows data from 20120101 to the recent period

Date range: Weekly frequency

Start date: 20120101

End date: 20120731

Return type: average

->If the data is arranged in daily frequency (e.g. stock price), the exported data will be the weekly average

***Note:** Choose **ONLY ONE** out of these two options:
Date setting and Date setting-advanced

TEJ Smart Wizard -Criteria Setting 4: others

Single Code/Date No Designation Code Date

New Worksheet New Table

Macro Name Separated with III

Excel Range Co. ID Date

Produce new sheet: When exporting data, open a new sheet in the current file to export data.
*Recommended

Designate company code/ date position:
The system default starts from cell A1, the cell position can be changed to, such as B30/H5, based on the user's need.
*Function introduction:
Do not designate: search for data cross companies and cross time periods
Designate company code: search for individual company
Designate date: search for single date

Automatic Macros Execution:
If the file comes with related macros setup, adding macros to the File Note will enable macros to be automatically executed as data updates.

TEJ Smart Wizard -Criteria Setting 5: Format

- ▶ After setting company, date, field (variants), click “Next” to select array and then click “Export to Excel”.

Macro Name Separated with III
Excel Range Co. ID Date
Clear All Setting **Next** Export to Excel Preview

TEJ Smart Wizard (Version 3.5.1.0) -- 活頁簿1

Main Page Transformation Style Format Preview File Manager

Pre-set

ID_A	Date 1	Field 1	Field 2	Field 3
ID_B	Date 1			
ID_A	Date 2			
ID_B	Date 2			

Style 13_for 3 Key

Style 14_for 3 Key

Style 1 - Code as Key

Field A	Field A	Field B	Field B
Date 1	Date 2	Date 1	Date 2
ID_1			
ID_2			
ID_3			

Style 2 - Date as Key

ID_A	ID_A	ID_B	ID_B
Field 1	Field 2	Field 1	Field 2
Date 1			
Date 2			
Date 3			

Style 3 - Field as Key

ID_A	ID_A	ID_B	ID_B
Date 1	Date 2	Date 1	Date 2
Field 1			
Field 2			
Field 3			

Style 4 - Code as Key

Date 1	Date 1	Date 2	Date 2
Field A	Field B	Field A	Field B
ID_1			
ID_2			
ID_3			

Style 5 - Date as Key

Field 1	Field 1	Field 2	Field 2
ID_A	ID_B	ID_A	ID_B
Date 1			
Date 2			
Date 3			

Style 6 - Field as Key

Date 1	Date 1	Date 2	Date 2
ID_A	ID_B	ID_A	ID_B
Field 1			
Field 2			
Field 3			

Style 7

ID_A	Field 1	Date 1	Date 2	Date 3
ID_A	Field 2			
ID_B	Field 1			
ID_B	Field 2			

Style 8

Field A	Date 1	ID_1	ID_2	ID_3
Field A	Date 2			
Field B	Date 1			
Field B	Date 2			

Style 9

ID_A	Date 1	Field 1	Field 2	Field 3
ID_A	Date 2			
ID_B	Date 1			
ID_B	Date 2			

Style 10

Field 1	ID_A	Date 1	Date 2	Date 3
Field 1	ID_B			
Field 2	ID_A			
Field 2	ID_B			

Style 11

Date 1	Field A	ID_1	ID_2	ID_3
Date 1	Field B			
Date 2	Field A			
Date 2	Field B			

Style 12

Date 1	ID_A	Field 1	Field 2	Field 3
Date 1	ID_B			
Date 2	ID_A			
Date 2	ID_B			

Back Next Export to Excel Preview

TEJ Smart Wizard –Demonstration for Cross Data Base Download (Example)

- ▶ **Research time: 2000-2012**
- ▶ **Frequency: Year**
- ▶ **Research Sample:** Taiwan's paper-making companies that became listed and GRETAI listed during this research.
- ▶ **Required Variants:** Based on the financial ratios in the consolidated financial statements, including ROA, ROE, R&D expense, EPS, revenues, current ratio, year-end market value, shares outstanding, annual return, shareholding ratio of board member, manager shareholding ratio, shareholding ratio of institutional investors, right to share profit, control level and one-year Beta.

TEJ Smart Wizard – Demonstration for Cross Data Base Download → Step 1

▶ Data type:

Given to the need for listed and GRETAI listed companies during a certain of period in the past and the sample integrity, please select **TSEC+GreTai+Emerging+Others** to cover all the relevant information as well as to include delisted companies after this period of time.

▶ DB type and info name:

i.e. DB category and info name in TEJ+ Main (please refer to the pictures)

Data Source

Type: TSEC+Gre Tai+Emerging+Others

SmartID: TEJ Finance DB Key=2

Data: TEJ Consolidated First_General(Acc)-3

Search: Current % ID Search

Sector: ALL UOM -

field	Selected Field
Other Current Ass.	consolidation
Total Current Assets	ROA(C)-EBIDA %
Total Current Liab.	ROE(A)-NI
Current Income	OperatingExp.-R&D
Net Income Current	Earning Per Share
Tax Exp.-Current	Net Sales
Current %	Current %

Select Select All Clear All Clear

Data Source

Type: TSEC+Gre Tai+Emerging+Others

SmartID: TEJ Equity Key=2

Data: TSE/OTC Adjusted_Price(Yearly)-EX_R+D

Search: Market Cap. ID Search

Sector: ALL UOM -

field	Selected Field
Volume_Year	ROA(C)-EBIDA %
Amount_Year	ROE(A)-NI
ROI_Year	OperatingExp.-R&D
Turn Over_Year	Earning Per Share
Shares	Net Sales
Market Cap.	Current %
Last Bid	ROI_Year
Last Offer	Shares
ROI-Ln_Year	Market Cap.

Select Select All Clear All Clear

Data Source

Type: TSEC+Gre Tai+Emerging+Others

SmartID: TEJ Equity Key=2

Data: TSE/OTC Adjusted_Price(Daily)-Beta

Search: CAPM_Beta 1Y ID Search

Sector: ALL UOM -

field	Selected Field
CAPM_Beta 1M	ROE(A)-NI
CAPM_Beta 2M	OperatingExp.-R&D
CAPM_Beta 3M	Earning Per Share
CAPM_Beta 6M	Net Sales
CAPM_Beta 9M	Current %
CAPM_Beta 1Y	ROI_Year
CAPM_Beta 2Y	Shares
CAPM_Beta 3Y	Market Cap.
CAPM_Beta 5Y	CAPM_Beta 1Y

Select Select All Clear All Clear

Data Source

Type: TSEC+Gre Tai+Emerging+Others

SmartID: TEJ Corporate Governance Key=2

Data: Ultimate Control and Board Composition

Search: Group Name ID Search

Sector: ALL UOM -

field	Selected Field
Group Name	Shares
No. of Seats in Board	Market Cap.
No. of Directors	CAPM_Beta 1Y
No. of Supervisor	Board %
Board %	Managers' Sharehold %
Director %	Legal Ent. Share %
Supervisor %	Seating Rights %
Board Pled. %	Voting Rights %
	Cash Flow Rights %

Select Select All Clear All Clear

TEJ Smart Wizard – Demonstration for Cross Data Base Download → Step 2

- ▶ **Company setting:** Given to designation of a certain industry, the company list of the paper-making industry will be based on this download, no matter the stock market fluctuation in the future, therefore choose “Paper-Making Company” in the “Company Category” and then press “**Select All**”

The screenshot displays the 'Company Setting' window with the following details:

- Set Industry:** (unchecked)
- Foreign enterprises IPO:** TDR, Cement, Foods, Plastics, **Textiles** (selected)
- Sector:** Textiles (dropdown menu)
- Search Code/Name:** 1402=>FENC
- Companies:** 1402=>FENC, 1409=>Shinkong Synthetic, 1410=>Nan Yang D&F, 1413=>H.C., 1414=>Tung Ho Textile, 1416=>Kwong Fong, 1417=>Carnival, 1418=>Tong-Hwa, 1419=>Shinko. Textile, 1422=>Reward Wool
- Selected Companies:** (Empty)
- Buttons:** Select, **Select All** (highlighted), Clear All, Clear

The 'Sector' dropdown menu is highlighted with a red box, and an arrow points to the 'Textiles' option. The 'Search Code/Name' field is also highlighted with a red box. The 'Companies' list is highlighted with a red box, and an arrow points to the '1402=>FENC' entry. The 'Selected Companies' list is highlighted with a red box.

TEJ Smart Wizard –Demonstration for Cross Data Base Download→Step 3

► Date setting:

Step 1: Enter 20000101-20121231 in the date interval.

Step 2: Choose “Year” for the frequency.

Step 3: Untick the box on the left side of descending order and press search for the data arrangement starting from 2000.

Step 4: Select all the appeared dates to the right side.

Date Setting ①

Date Range 2000/01/01 to 2012/12/31 Descending ② Search

Frequency Daily Weekly Monthly Quarterly Yearly ③

Date Last Period Last Calendar Date

2000	2000
2001	2001
2002	2002
2003	2003
2004	2004
2005	2005
2006	2006

Select ④ Select All Clear All Clear

TEJ Smart Wizard –Demonstration for Cross Data Base Download→Step 4

- ▶ Step 1: At designate company code/date position: click “Do Not Designate”

Description: This example needs as many companies and intervals as possible, and thus choose “Do Not Designate”

- ▶ Step 2: Tick off “Produce New Sheet”

Description: Please tick off “Produce New Sheet” to **avoid overwriting the original worksheet.**

- ▶ Step 3: Click “Next”

Single Code/Date No Designation Code Date

New Worksheet New Table

Macro Name _____ Separated with |||

Excel Range Co. ID _____ Date _____

Clear All Setting Next **Export to Excel** Preview

TEJ Smart Wizard – Demonstration for Cross Data Base Download → Step 5

► Format Setting:

According to the data types, the system provides nine ways of data arrangement. Please choose the arrangement based on personal requirement and then press “Export to Excel”.

The screenshot shows the 'TEJ Smart Wizard (Version 3.5.1.0) -- 活頁簿1' window with the 'Style Format' tab selected. The interface is divided into several sections, each containing a radio button and a table representing a different data arrangement style. The styles are:

- Pre-set
- Style 1 - Code as Key
- Style 2 - Date as Key
- Style 3 - Field as Key
- Style 4 - Code as Key
- Style 5 - Date as Key
- Style 6 - Field as Key
- Style 7
- Style 8
- Style 9 (Selected)
- Style 10
- Style 11
- Style 12
- Style 13_for 3 Key
- Style 14_for 3 Key

Each style is represented by a table with columns and rows. For example, Style 9 (which is selected) shows a table with columns 'ID_A', 'Date 1', 'Field 1', 'Field 2', 'Field 3' and rows 'ID_A Date 1', 'ID_A Date 2', 'ID_B Date 1', 'ID_B Date 2'. The 'Export to Excel' button is highlighted with a red box, and the 'Preview' button is visible below it.

TEJ Smart Wizard –Demonstration for Cross Data Base Download→Step 6

► Export Result is shown in the picture below:

	A	B	C	D	E	F	G	H	I	J	K	L
1	CO_ID	YYYYMM	consolidation	ROA(C)-EBIDA%	ROE(A)-NI	OperatingExp.-R&D	Earning Per Share	Net Sales	Current %	ROI_Year	Shares	Market Cap.
2	1402 FENC	2000/12/30	Y	7.79	3.17	147,006	0.07	71,348,277	94.82	-64.7718	3,080,382	72,080
3	1402 FENC	2001/12/31	Y	9.69	6.57	205,909	0.23	75,116,235	86.27	-41.3427	3,203,523	41,645
4	1402 FENC	2002/12/31	Y	11.51	8.97	274,333	0.7	77,841,238	79.84	-3.1535	3,361,024	39,660
5	1402 FENC	2003/12/31	Y	11.4	10.64	317,452	1.17	83,609,382	107.45	54.3906	3,590,677	59,964
6	1402 FENC	2004/12/31	Y	18.51	18.16	374,882	2.25	121,461,235	77.07	67.5169	3,799,660	96,891
7	1402 FENC	2005/12/30	Y	16.34	13.99	801,834	2.04	136,008,005	93.13	-2.7941	4,103,633	90,485
8	1402 FENC	2006/12/29	Y	11.98	12.01	756,663	1.92	140,227,309	106.06	42.3808	4,349,851	123,970
9	1402 FENC	2007/12/31	Y	14.37	12.78	809,058	2.54	161,814,257	119.7	42.445	4,480,346	170,477
10	1402 FENC	2008/12/31	Y	10.97	7.44	722,921	1.01	169,922,497	102.45	-40.459	4,569,953	95,969
11	1402 FENC	2009/12/31	Y	13.23	10.66	683,311	1.74	165,423,874	105.58	98.7544	4,661,352	186,454
12	1402 FENC	2010/12/31	Y	14.74	13.67	678,762	2.7	199,754,390	115.07	30.5059	4,754,579	234,876
13	1402 FENC	2011/12/30	Y	12.74	11.1	732,281	2.26	235,561,246	118.9	-22.7917	4,897,217	172,137
14	1402 FENC	2012/12/28	Y	9.89	8.81	701,324	1.73	236,204,948	124.97	2.0509	5,044,133	166,960
15	1409 Shinkong Synthetic	2000/12/30	Y	4.76	-8.44		-0.77	14,165,090	73.8	-65.3405	1,330,640	4,058
16	1409 Shinkong Synthetic	2001/12/31	Y	4.33	-3.18		-0.28	13,266,141	68.57	-19.6717	1,325,340	3,247
17	1409 Shinkong Synthetic	2002/12/31	Y	6.09	5.03		0.44	15,788,530	95.39	124.4884	1,325,340	7,289
18	1409 Shinkong Synthetic	2003/12/31	Y	4.49	2.17		0.24	18,779,926	121.5	45.4536	1,325,340	10,602
19	1409 Shinkong Synthetic	2004/12/31	Y	4.03	3.67		0.4	20,837,366	126.51	13.1245	1,325,340	11,994
20	1409 Shinkong Synthetic	2005/12/30	Y	4.53	0.54		0.06	23,617,128	109.68	-27.2926	1,325,340	8,720
21	1409 Shinkong Synthetic	2006/12/29	Y	2.34	0.65		0.12	27,363,605	132	30.243	1,325,340	11,358
22	1409 Shinkong Synthetic	2007/12/31	Y	4.11	3.44		0.46	32,162,909	220.4	20.7222	1,454,073	14,904
23	1409 Shinkong Synthetic	2008/12/31	Y	1.95	-0.2		-0.05	32,251,701	174.74	-54.0004	1,454,073	6,543
24	1409 Shinkong Synthetic	2009/12/31	Y	3.18	4.44		0.44	29,812,930	164.29	150.0001	1,454,073	16,358
25	1409 Shinkong Synthetic	2010/12/31	Y	4.85	8.96		1.21	38,231,363	165.37	45.471	1,630,185	26,245
26	1409 Shinkong Synthetic	2011/12/30	Y	3.71	5.45		0.71	42,420,386	202.73	44.81	1,828,207	14,698
27	1409 Shinkong Synthetic	2012/12/28	Y	3.2	4.83		0.55	41,105,778	183.56	25.2329	1,760,484	17,094