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1. Downloading the Raw Data

Go to <u>http://www.ifi.uzh.ch/bi/teaching/fall2014/lecture.html</u>

Download the tutorial_accounts.txt and tutorial_contributor.txt.

Delete the first line of both files, and save them to your local disk.

For example 'C:/tutorial_accounts.txt' & 'C:/tutorial_contributor.txt'

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2. Downloading MySQL Installer

Go to <u>http://www.mysql.com/downloads/installer/</u> to download the latest version of MySQL Installer.

(Or http://cdn.mysql.com/Downloads/MySQLInstaller/mysql-installer-community-5.5.28.1.msi)

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Current Downloads (Gen	erally Available)			
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	Download MySQL Installer			
MySQL Community Server	MySQL Installer provides an easy to use, wizard-based installation expe	rience for all your MySOL software		
MySQL Enterprise Edition	needs. Included in the product are the latest versions of:		MySQL open source	_
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Latin America: +1 512 535 7751	We suggest that you use the MD5 checksums and GnuPG signal	tures to verify the integrity of the pa	ackages you download.	



3. Install the MySQL package

Double click the execution file of mysql-installer-community-5.5.28.1.msi

MySQL Installer	×
Welcome	MySQL
The MySQL Installer guides you through the installation and configuration of your MySQL products. Run it from the Start Menu to perform maintenance tasks Click t	to install
Select one of the actions below:	
Install MySQL Products Guide you through the installation and configuration of your MySQL products.	
About MySQL Learn more about MySQL products and better understand how you can benefit the most.	
Resources Get more information on how to install MySQL and configure it to run efficiently on your machine.	
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MySQL Installer	
MySQL. Installer	Installation Complete
	The installation procedure has been completed.
License Information	Copy Log to Clipboard
Find latest products	☑ Start MySQL Workbench after Setup
Setup Type	
Check Requirements	
Installation	
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4. Create a schema named "tutorial"

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Workspace	Double alial bare often the MuCO	
SQL Development Conrect to existing databases and run SQL Queries, SQL scripts, edit data and manage database objects.	workbench is started,	Server Administration Configure your database server, setup user accounts, browse status variables and server logs.
Open Connection to Start Querying Or click a DB connection to open the SQL Editor.	Open Existing EER Model	Server Administration
MySQLForExcelConnection User for Hist localities 3306		Local Type: Windows
New Connection Add a new database connection for querying.		New Server Instance
Edit Table Data Select a connection and schema table to edit.	Create New EER Model	Manage Import / Export Create a dump file or restore data from a file.
Edit SQL Script Open an existing SQL Script file for editing.	Create EER Model From Existing Database	Manage Security Manage user accounts and assign privileges:
Manage Connections Modify connection settings or add connections.	Create EER Model From SQL Script	Anage Server Instances Add. Gelete and update server instance settings.





5. Create a table named "accounts"

Create a new SQL tab, and fill in the SQL tab with:

create table tutorial.accounts (account_id nvarchar(50), country_code nvarchar(50), kudo_rank nvarchar(50), name nvarchar(100))

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No object selected 0 2 2	1.09:04 Apply changes to tutorial No changes detected	

After execution, a new table named "accounts" will be established

.



6. Load the data "accounts.txt" into the table of "accounts"

Create a new SQL tab, and fill in the SQL tab with:

load data local infile 'C:/tutorial_accounts.txt' into table tutorial.accounts

After execution, the data in "accounts.txt" will be imported into the table of "accounts"



7. Create a table named "contributor"

Create a new SQL tab, and fill in the SQL tab with:

create table tutorial.contributor (projectid nvarchar(50), developercount nvarchar(50), account_id int, man_months nvarchar(50), primary_language_id nvarchar(50), account_name nvarchar(255))

After execution, a new table named "contributor" will be established.



8. Load the data "tutorial_contributor.txt" into the table of "contributor"

Create a new SQL tab, and fill in the SQL tab with:

load data local infile 'C:/tutorial_contributor.txt' into table tutorial.contributor

After execution, the data in "tutorial_contributor.txt" will be imported into the table of "contributor"



9. Generation of the Node Data

Execute the SQL statement:

select * from tutorial.accounts

Copy the result and paste it to a txt file for Node Data.



10. Generation of the Tie Data

Execute the SQL statement:

select p.account_id, q.account_id, count(*)

from tutorial.contributor as p, tutorial.contributor as q

where p.projectid = q.projectid And $p.account_id < q.account_id$

group by p.account_id, q.account_id

Copy the result and paste it to the txt file for Tie Data.





11. Save the file as tutorial.vna