

TAMSZINE

2

STUFF ABOUT DATA COMPARISON TABLES

UPDATED FOR TA
3.72 AND LATER

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I. SEEING YOUR DATA

SO A LOT OF PEOPLE COMPLAIN THAT TAMS DOESN'T HAVE AN EASY WAY TO SEE YOUR DATA, BY CODE DIRECTLY

The screenshot shows the TAMSAnalyzer application window. The main window displays a table with columns for time, name, gender, and subject. A secondary window titled "Codes" is open, showing a table with columns for codes and content. The codes include "reason>affect", "reason>content", "reason>discussion", "reason>equity", "reason>equity>gender", and "reason>equity>learningStyle".

Codes	
reason>affect	and during formative could write how
reason>content	I think it's in part an app into the book, when you have class start asking these probing questions that relate what they're reading to the content of the unit that you're teaching. You can tie in the story with the content and bring it back to the content and keep content so that they're thinking about it. If they see how it's applied they might even start making the connections instead of having little factoids separated y'know hopefully that will broaden their understanding and get a deeper understanding.
reason>discussion	And then the book i wanted you said the mutations like when we use the book to into the mechanics of gen hopefully the book will o enticement, classroom di
reason>equity	Uhm I treasure the idea and reading; a lot of high and plus through video e book.
reason>equity>gender	And I think for 10th grade but the boys really are into
reason>equity>learningStyle	Connecting it to the content using literature; used it for helping science education, but maybe like in re you know what I mean, help the people that were strugg after in different areas English people, something that they could relate to easier than

0:01:28 amy F Amy Physical S
0:02:51 m F Amy Physical S
0:04:10 amy F Amy Physical S
0:04:10 amy F Amy Physical S
0:04:40 amy F Amy Physical S
0:04:40 amy F Amy Physical S
0:10:00 m F Amy Physical S
0:11:35 amy F Amy Physical S
0:11:35 amy F Amy Physical S
0:00:51 xander M Xander Life Scien
0:00:51 xander M Xander Life Scien
0:00:51 xander M Xander Life Scien
0:03:30 xander M Xander Life Scien
0:03:30 xander M Xander Life Scien
0:03:30 xander M Xander Life Scien
0:04:30 xander M Xander Life Scien
0:07:10 xander M Xander Life Scien
0:10:00 xander M Xander Life Scien
0:10:00 xander M Xander Life Scien
0:00:18 brenda F Brenda Life/Cher
0:00:18 brenda F Brenda Life/Cher
0:01:21 brenda F Brenda Life/Cher

On click: Smart select/highlight Open in browser Save Print

BUT, OF COURSE, YOU CAN, AND THE TABLE IS LINKED STRAIGHT TO YOUR RESULTS WINDOW SO YOU CAN VIEW ADDITIONAL CONTEXT INFORMATION, OR YOU CAN DOUBLE CLICK BACK TO THE ORIGINAL DOCUMENTS.

A TABLE OF MY DATA THAT'S LINKED TO MY RESULTS WINDOW

FOR FANCY PRINTING, JUST OPEN IT IN YOUR NET BROWSER (SAFARI CAN SET FOOTER/HEADER INFORMATION)

MY RESULTS WINDOW

WHAT A VIEW OF MY DATA LOOKS LIKE.

I use data comparison so much it has a place on my toolbar. To add it to a results window, select a results window and pick "Configure toolbar" from the windows menu. Drag the "Compare data" icon to your toolbar.

Codes > affect

reason > content

I have my results organized by Codes, but it could be by anything: file, date, or a temporary column with a single value, so it's in one big pile.

I tend to keep my results window overlapped with my data comparison results to facilitate switching back and forth!

The data for every code is in a single easy to scroll column. To achieve this I pick "Single Column" from the Y axis "options" pop up menu of the data comparison table.

And then the book I wanted to read when we use the book to face into the mechanics of it. Hopefully the book will be interesting. It means that it's linked. Click the text and the result window will pop to the front with this data selected or highlighted.

Uhm I treasure the idea of reading; a lot of high school and plus through video capture book.

I've opened the results in its own window. I keep it in smart mode (new with 3.44). This means that if I click on a single element it will try to highlight it in the current selection, or select it if it can't find it.

English people, something that they could relate to easier than

Codes	reason	Total
affect	interesting objectives, the end, like they	1
content	they get into the can start asking reading to the tie in the story and keep asking about it. If taking the associated y'know	1
code	hopefully that will broaden their understanding and get a deeper understanding.	2
code	And then the book I wanted to read when we use the book to face into the mechanics of it. Hopefully the book will be interesting. It means that it's linked. Click the text and the result window will pop to the front with this data selected or highlighted.	1
code	Uhm I treasure the idea of reading; a lot of high school and plus through video capture book.	1
code	I've opened the results in its own window. I keep it in smart mode (new with 3.44). This means that if I click on a single element it will try to highlight it in the current selection, or select it if it can't find it.	3
code	English people, something that they could relate to easier than	

On click:

Smart select/highlight



Open in browser

Save

Print

BEFORE I SHOW YOU WHAT TO CLICK ON GET THAT TABLE, LET ME CLARIFY ONE THING

FOR A DATA COMPARISON TABLE. THE X AXIS REFERS TO THE OPTIONS AND DATA SHOWN HORIZONTALLY. (HERE MWC AND WCC, TWO CITIES I'M STUDYING)

I will be talking a lot about the X and Y Axes.

THE Y AXIS REFERS TO WHAT VARIES MOVING VERTICALLY ON THE TABLE. HERE CODES OF THE BIOLOGY FAMILY

"Codes" compared against "city"

Codes	MWC	WCC
biology>detectives	3	23
biology>fact	123	165
biology>image	13	40
biology>law	1	21
biology>mystery	8	36
biology>procedures	94	54
biology>pubhealth	105	80
biology>pubhealth>fake	1	1
biology>pubhealth>uncertain	24	18
biology>structure	3	31
biology>uncertain	4	4

Formatting

Orientation

Switch Axes

HTML formatting

Don't underline links

Data: left

THAT CAN BE REVERSED BY CHECKING THIS BOX HERE. WITH IT CHECKED, THE VERTICAL DIRECTION IS X AND THE HORIZONTAL DIRECTION IS Y

SET THE X AND Y OPTIONS BY PICKING THE AXIS FROM THIS MENU

From the Reports menu, I pick "Data comparison table." Then I pick the menu and table items seen here.

I chose to look at my data by code for the X axis. You might choose something else. Pick "Other Column" to get more choices.

I like to see my data in a single column in the Y axis rather than by document or by some other variable. I just pick the Y axis and "single column" from this menu.

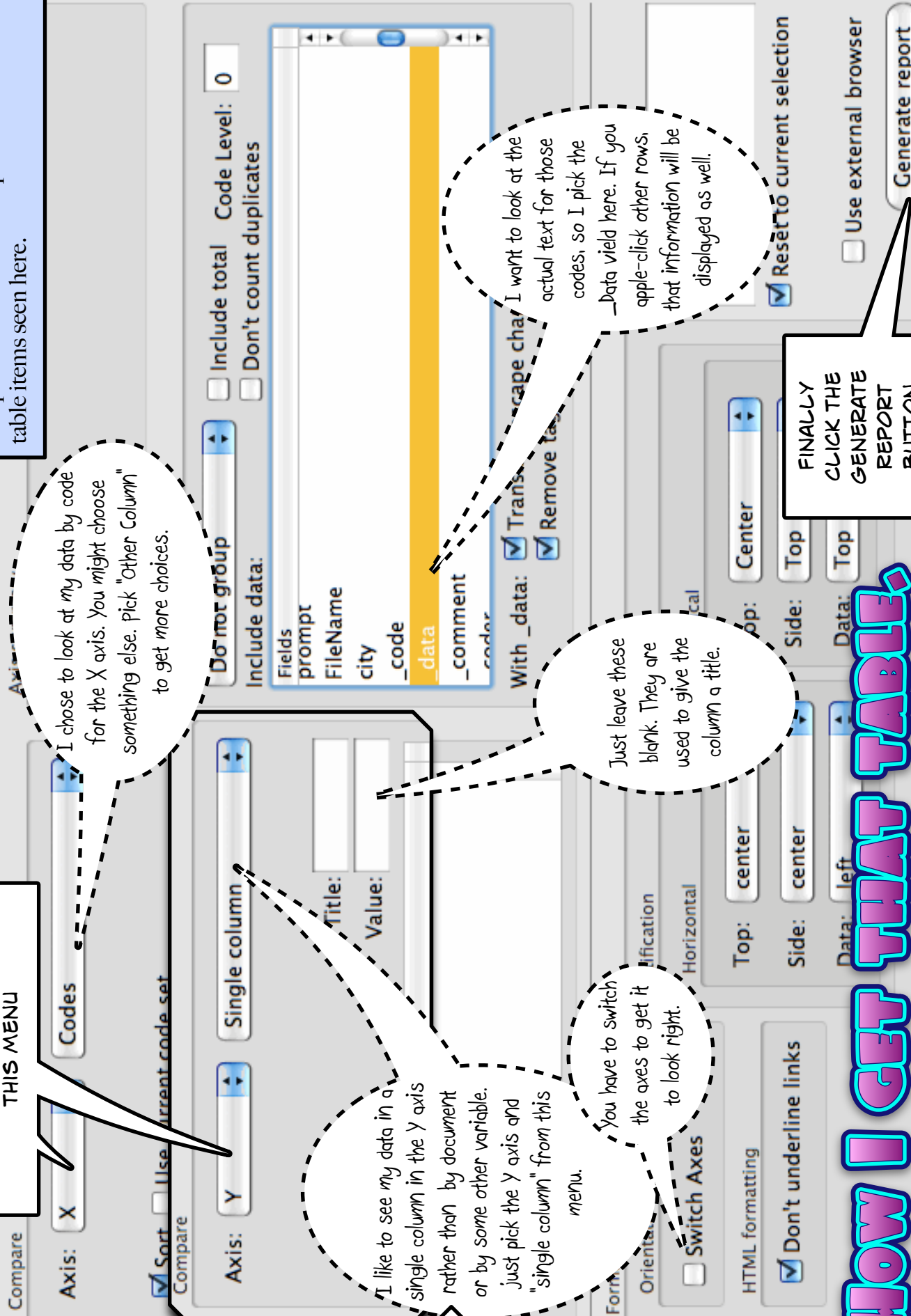
You have to switch the axes to get it to look right.

Just leave these blank. They are used to give the column a title.

I want to look at the actual text for those codes, so I pick the _data field here. If you apple-click other rows, that information will be displayed as well.

FINALLY CLICK THE GENERATE REPORT BUTTON

HOW I GET THAT TABLE!



2. CONTROLLING YOUR DATA



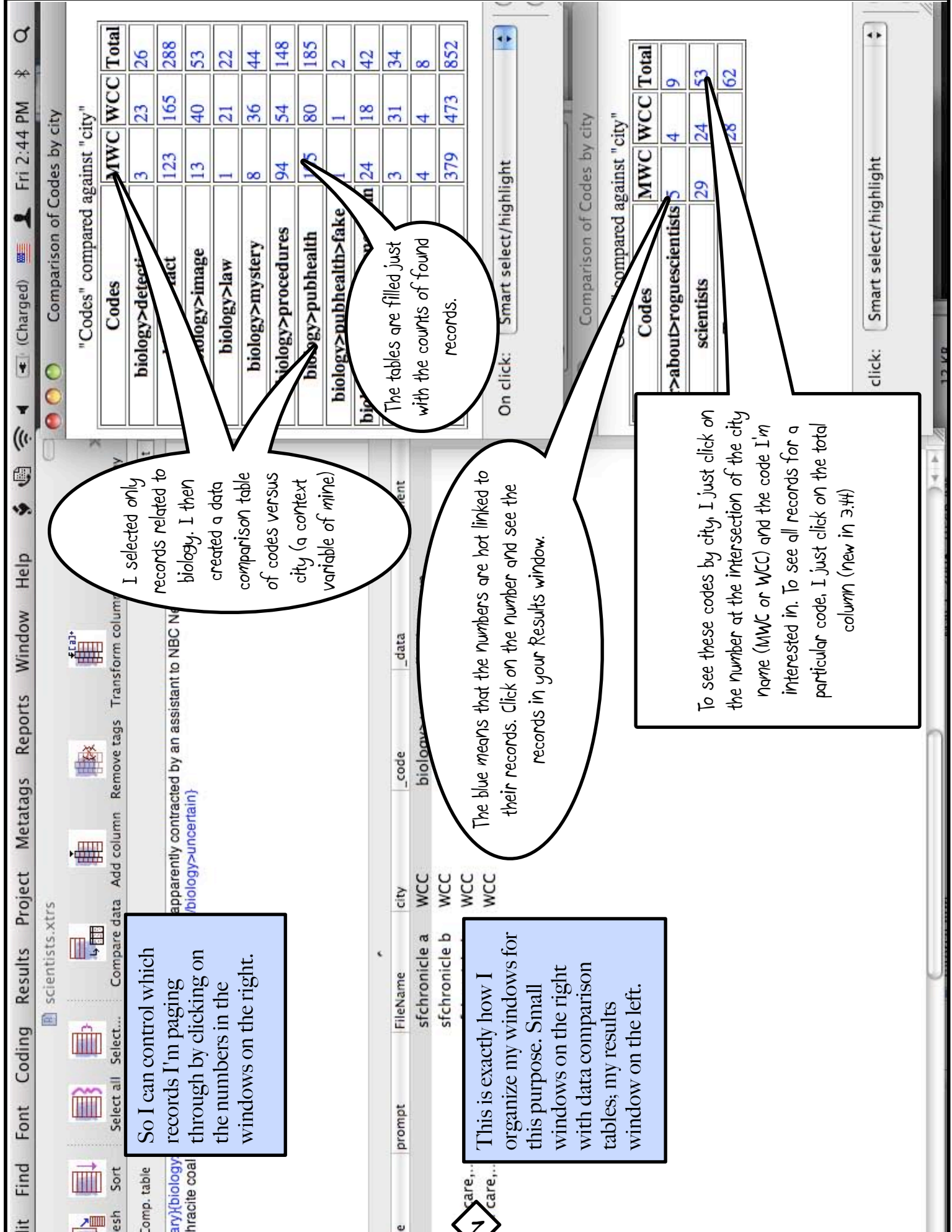
I'M ROXY. I DON'T USE TAMS, AND I'M ANNOYED WHEN MATTHEW IS ANALYZING DATA OR PROGRAMMING RATHER THAN PETTING ME!!!

HERE I WANT TO SHOW YOU HOW TO QUICKLY ACCESS, FOR PURPOSES OF ANALYSIS, YOUR DATA IN A SIMPLE BUT POWERFUL WAY. AS I WRITE THIS I'M ANALYZING DATA FROM THE ANTHRAX ATTACKS OF 2001 TO UNDERSTAND HOW SCIENCE WAS PORTRAYED IN THE CONTEXT OF THE ATTACKS.

THIS IS A RELATIVELY LARGE PROJECT FOR ME: OVER 5000 CODED PASSAGES, DOZENS OF CONTEXT VARIABLES, 100S OF CODES. SO I NEED TO SEE QUICKLY A VARIETY OF SUBSETS OF MY DATA FOR EXPLORATION PURPOSES.

DATA COMPARISON TABLES TO THE RESCUE. I CAN USE THEM AS CONTROL PANELS FOR MY DATA. WITH SIMPLE CLICKS I CAN SEE ONE CODE OR ANOTHER BY CITY. THE CITIES ARE GIVEN THE CODES WCC AND MWC IN THE FOLLOWING SCREEN SHOTS.

TAKE A LOOK:



I selected only records related to biology. I then created a data comparison table of codes versus city (a context variable of mine).

The tables are filled just with the counts of found records.

The blue means that the numbers are hot linked to their records. Click on the number and see the records in your Results window.

To see these codes by city, I just click on the number at the intersection of the city name (MWC or WCC) and the code I'm interested in. To see all records for a particular code, I just click on the total column (new in 3.44)

So I can control which records I'm paging through by clicking on the numbers in the windows on the right.

This is exactly how I organize my windows for this purpose. Small windows on the right with data comparison tables; my results window on the left.

Codes	MWC	WCC	Total
biology>detective	3	23	26
biology>fact	123	165	288
biology>image	13	40	53
biology>law	1	21	22
biology>mystery	8	36	44
biology>procedures	94	54	148
biology>pubhealth	15	80	185
biology>pubhealth>fake	1	1	2
biology>pubhealth>real	24	18	42
biology>science	3	31	34
biology>science>care	4	4	8
biology>science>care>care	379	473	852

Codes	MWC	WCC	Total
biology>roquescientists	4	9	13
biology>roquescientists>roquescientists	29	24	53
biology>roquescientists>roquescientists>roquescientists	28	62	90

1. First use your result window to select the code or code family or set you want to explore

2. For the X axis, I'm generally interested in exploring the data by code, but you could by code set or any other context variable

Compare
Axis: Y
Other column: city
 Sort

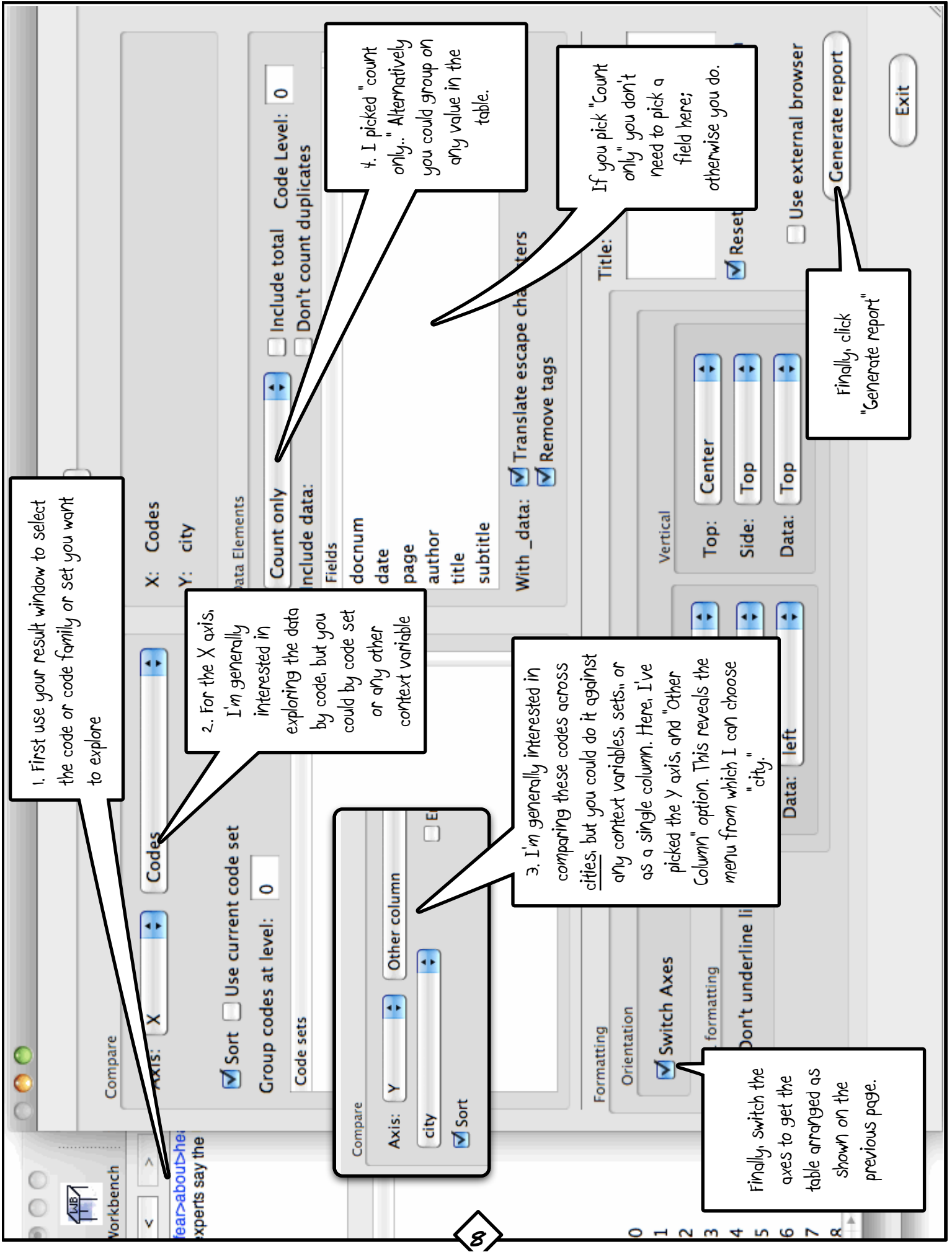
3. I'm generally interested in comparing these codes across cities, but you could do it against any context variables, sets, or as a single column. Here, I've picked the Y axis, and "Other Column" option. This reveals the menu from which I can choose "city."

Finally, switch the axes to get the table arranged as shown on the previous page.

4. I picked "count only." Alternatively you could group on any value in the table.

If you pick "Count only" you don't need to pick a field here; otherwise you do.

Finally, click "Generate report"



Compare

Axis summary

Axis: X

Code sets

X: Code set

Y: city

Sort

Code sets

- all-unknown
- biology-unknown
- economy
- pedagogyOfSci

REMEMBER: THE DATA COMPARISON TABLE IS A KIND OF A SANDBOX. YOU TRY DIFFERENT THINGS FOR EACH AXIS; CLICK GENERATE TABLE; SEE IF YOU LIKE IT. IF YOU DO, CLICK "OPEN IN WINDOW." IF YOU DON'T LIKE IT, GO BACK TO THE SETTINGS TAB AND TRY AGAIN!

with_data: Translate
 Remove

Formatting

Orientation

Switch Axes

HTML formatting

Don't underline links

Justification

Horizontal

Top: center

Side: center

Data: left

Vertical

Top: Center

Side: Top

Data: Top

HAVE FUN EXPLORING YOUR DATA!