TAMSZINE #2

Stuff about Data Comparison Tables

UPDATED FOR TA 3.72 AND LATER

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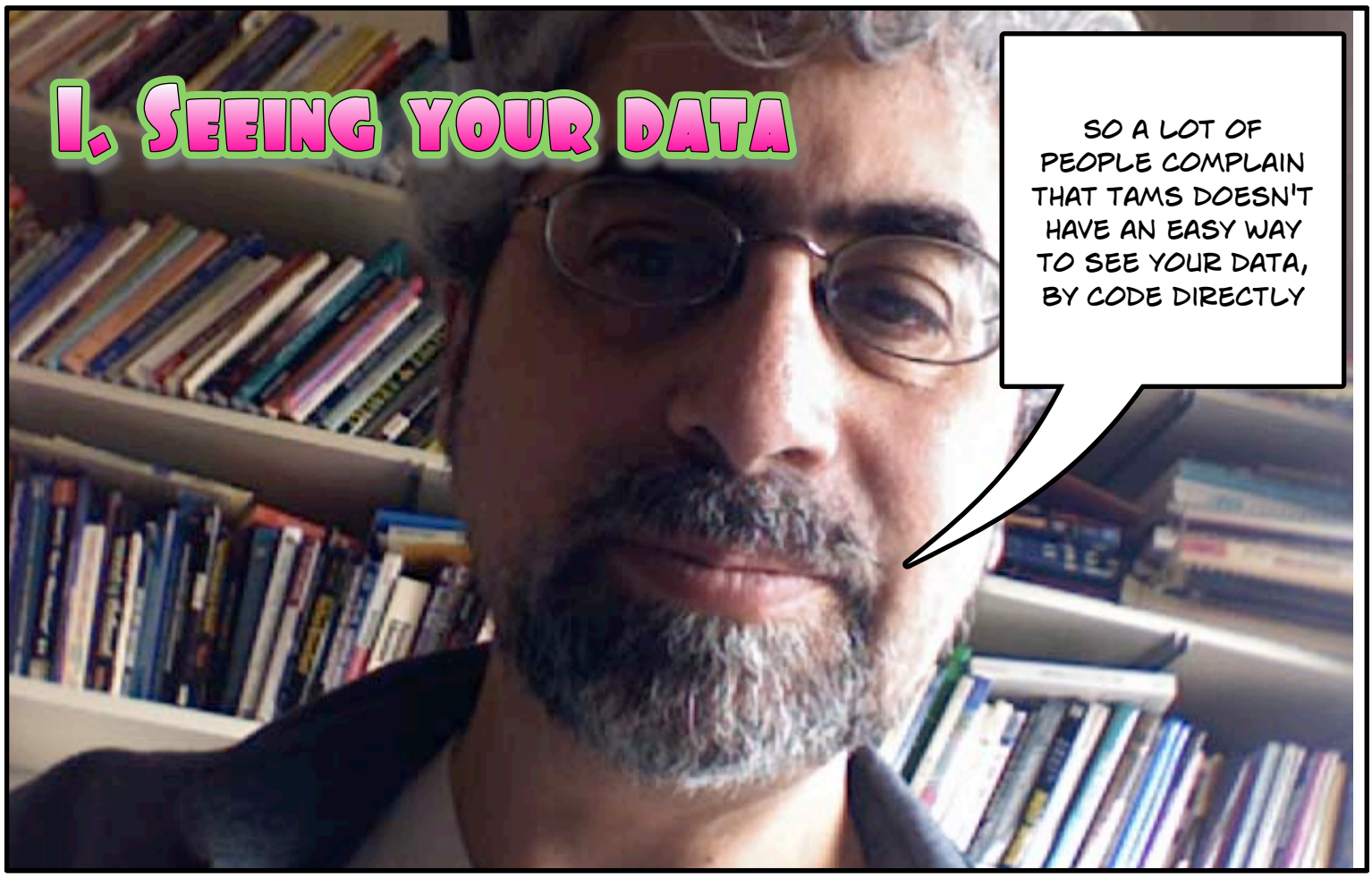
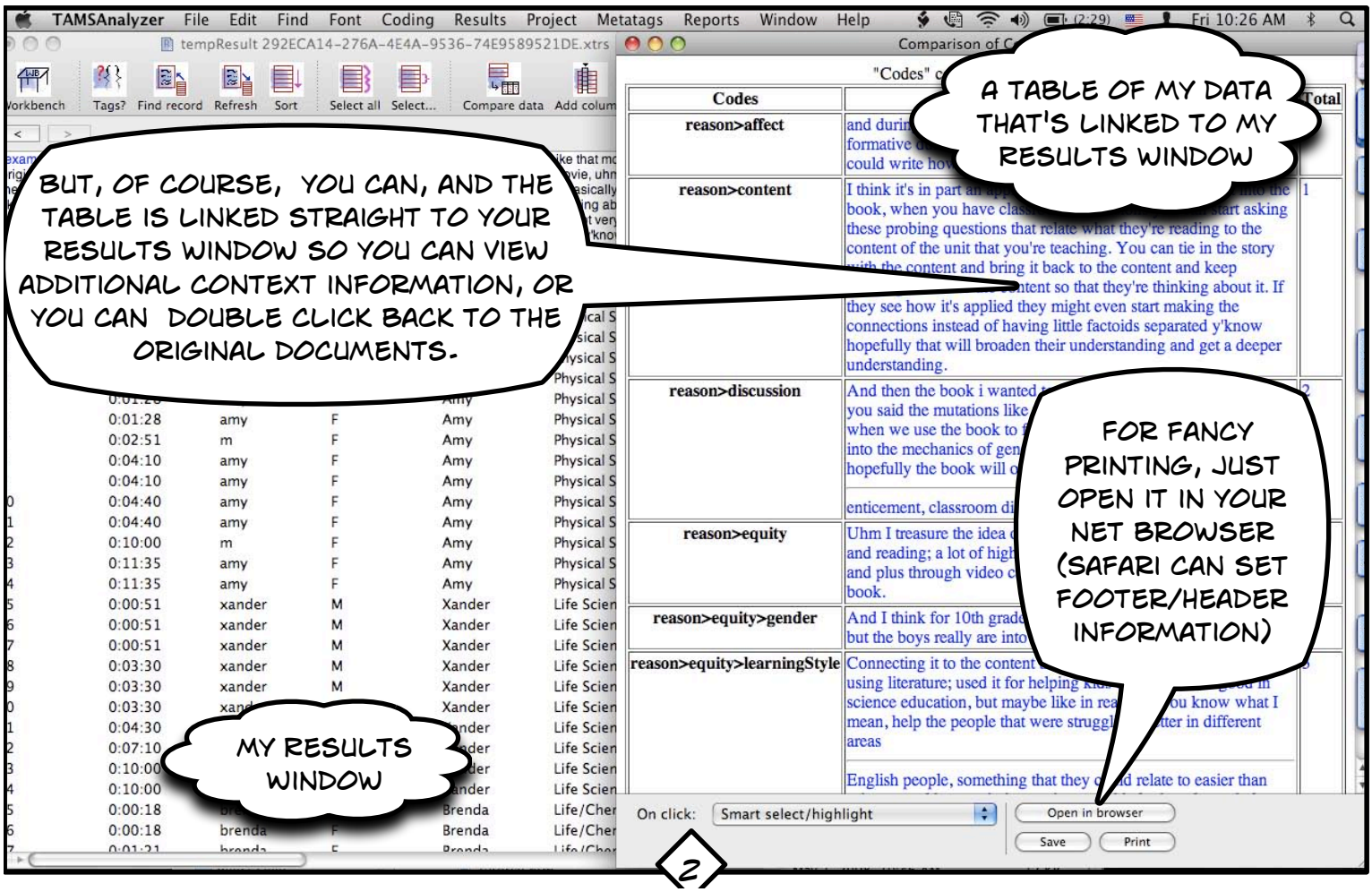
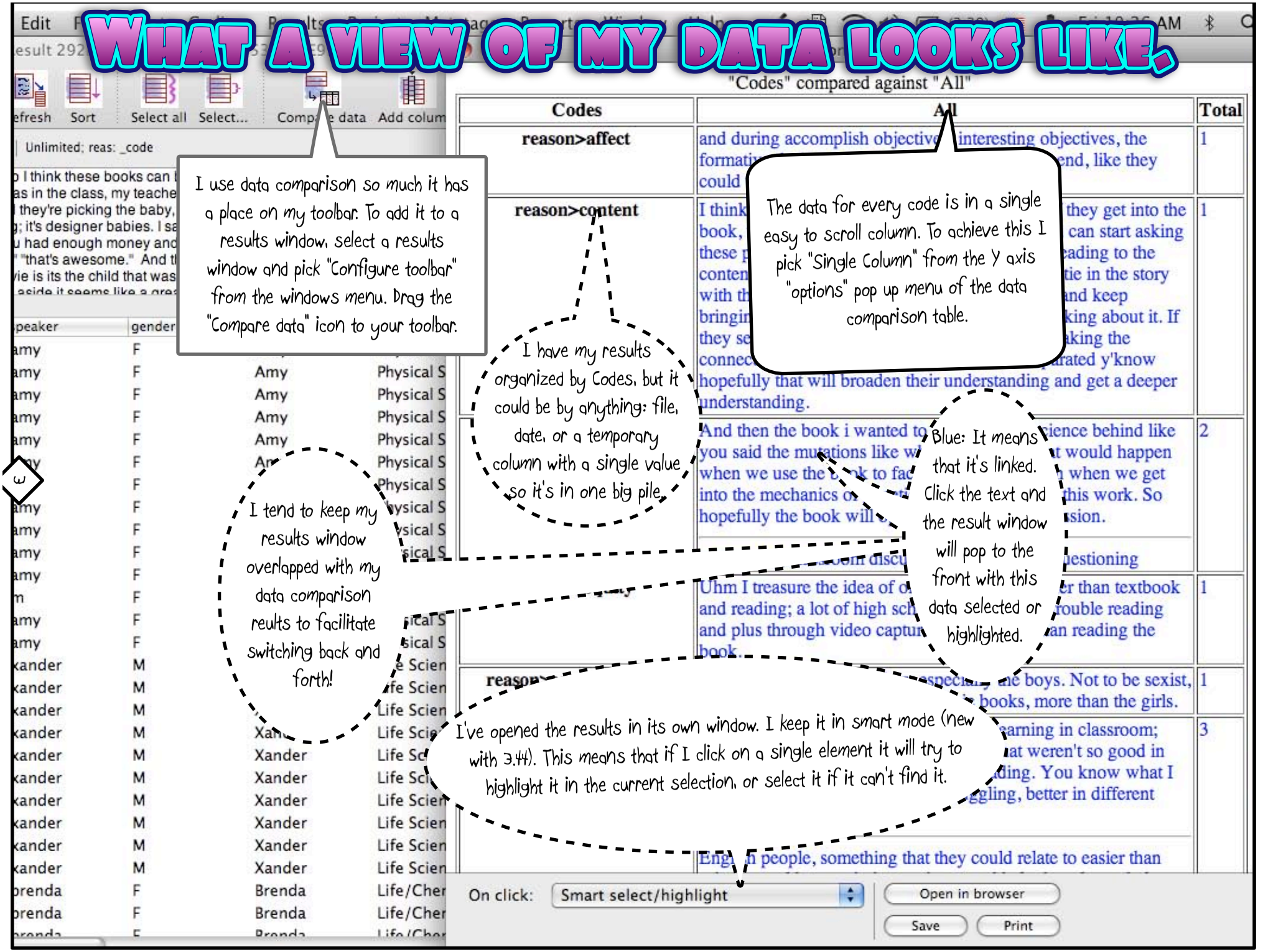
CONTENTS:


1, Seeing your data
So a lot of people complain that TAMS doesn't have an easy way to see your data, by code directly


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
TAMSAnalyzer File Edit Find Font Coding Results Project Metatags Reports Window Help
tempResult 292ECA14-276A-4E4A-9536-74E9589521DE.xtrs
Workbench Tags? Find record Refresh Sort Select all Select... Compare data Add colum
Codes
reason>affect
reason>content
reason>discussion
reason>equity
reason>equity>gender
reason>equity>learningStyle
Total
On click: Smart select/highlight
Open in browser
Save
Print
2

What a view of my data looks like,



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

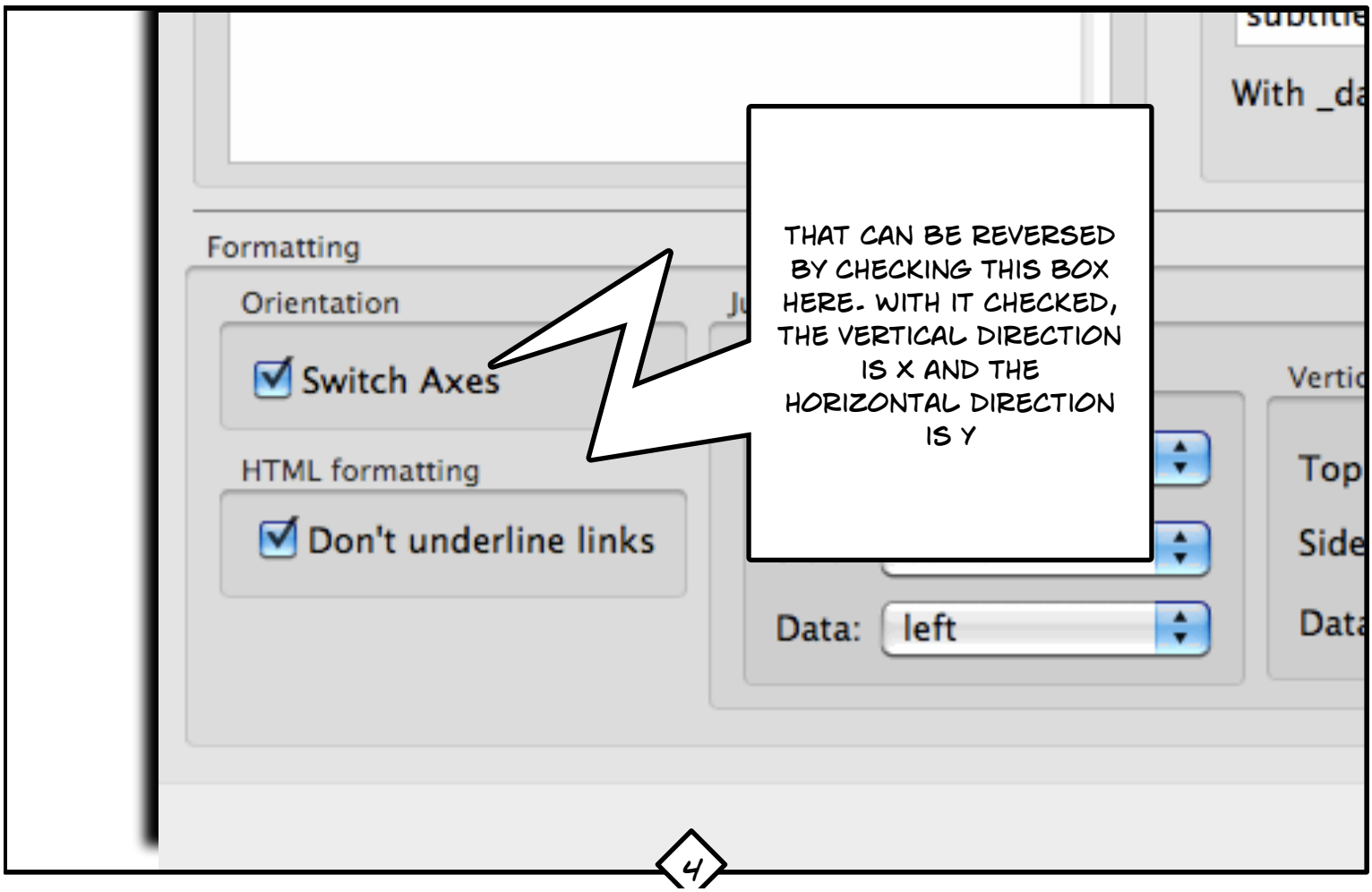
I will be talking a lot about the X and Y Axes.

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)

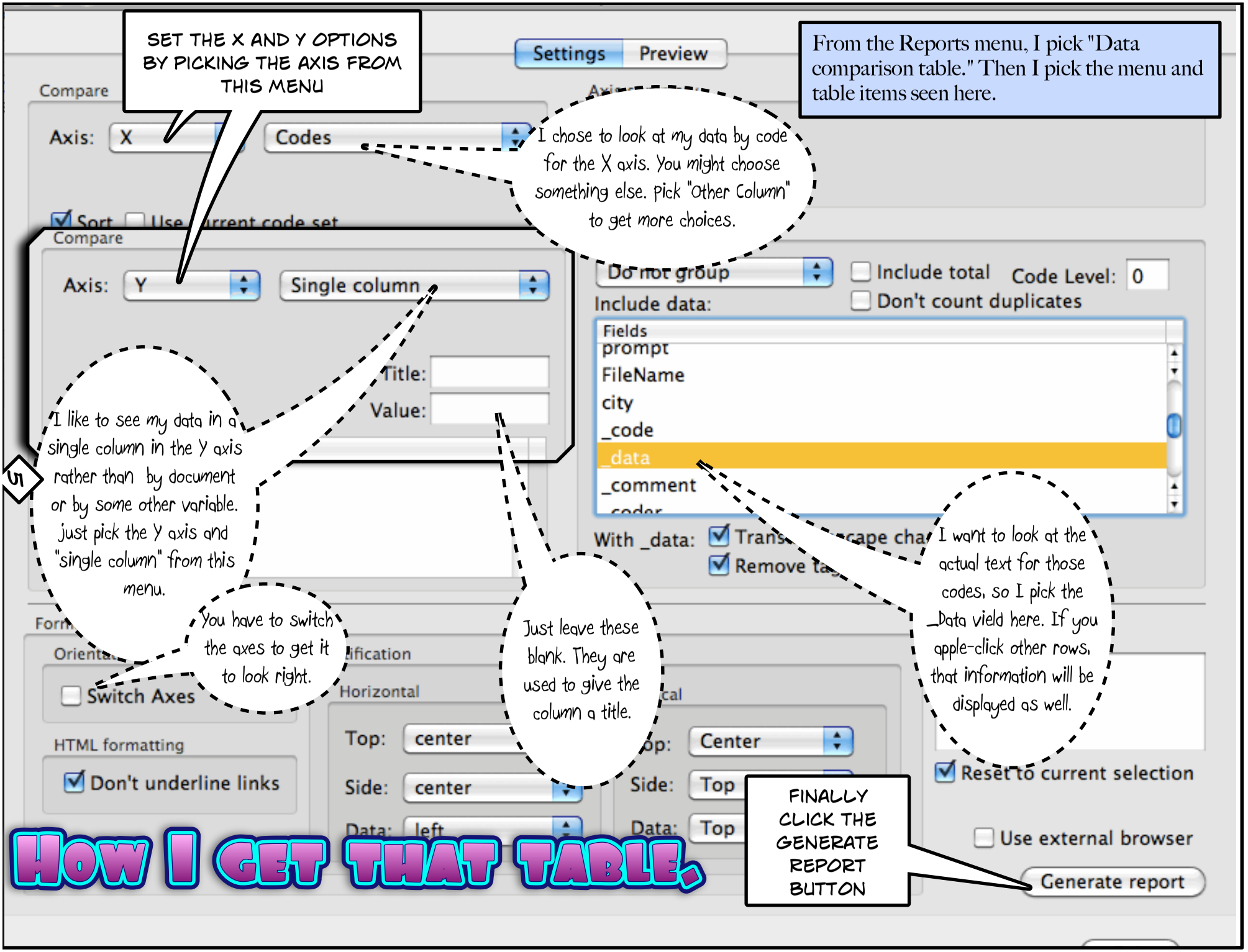
THE Y AXIS REFERS TO WHAT VARIES MOVING VERTICALLY ON THE TABLE. HERE CODES OF THE BIOLOGY FAMILY

"Codes" compared against "city"

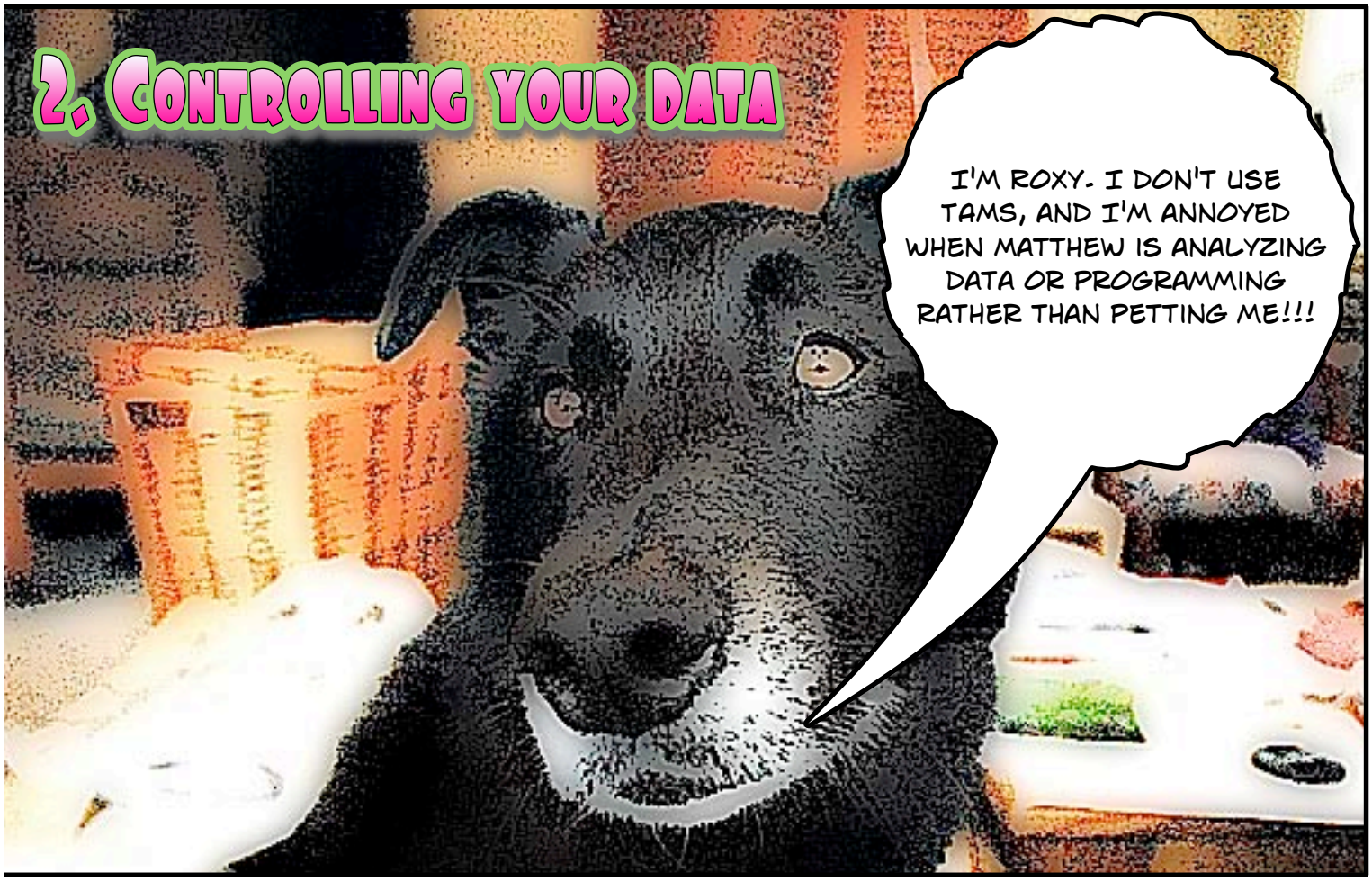
Codes	MWC	WCC
biology>detectives	3	23
biology>fact	123	165
biology>image	13	40
biology>law	1	21
biology>mystery	8	36
biology>procedures	94	54
biology>pubhealth	105	80
biology>pubhealth>fake	1	1
biology>pubhealth>uncertain	24	18
biology>structure	3	31
biology>uncertain	4	4



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.
Settings
Preview
Compare
Axis: X
Codes
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.
Sort
Use current code set
Compare
Axis: Y
Single column
Title:
Value:
I like to see my data in a single column in the Y axis rather than by document or by some other variable. 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.
Do not group
Include total
Code Level: 0
Include data:
Don't count duplicates
Fields
prompt
FileName
city
_code
_data
_comment
With _data:
I want to look at the actual text for those codes, so I pick the _Data vield here. If you apple-click other rows, that information will be displayed as well.
Switch Axes
HTML formatting
Don't underline links
Horizontal
Top: center
Side: center
Data: left
Center
Top
Reset to current selection
Use external browser
Generate report
FINALLY CLICK THE GENERATE REPORT BUTTON
How I get that table,

2, Controlling your data

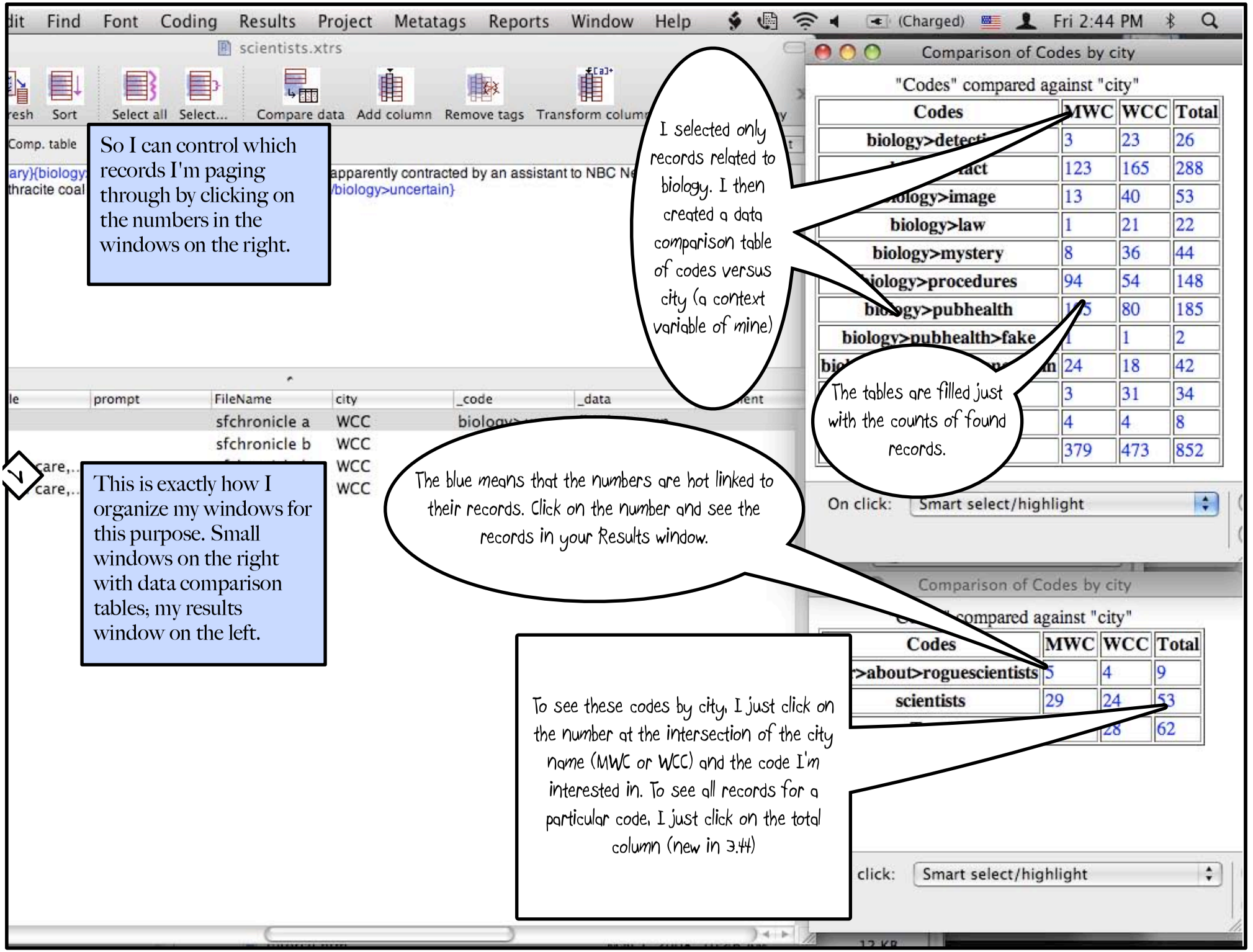


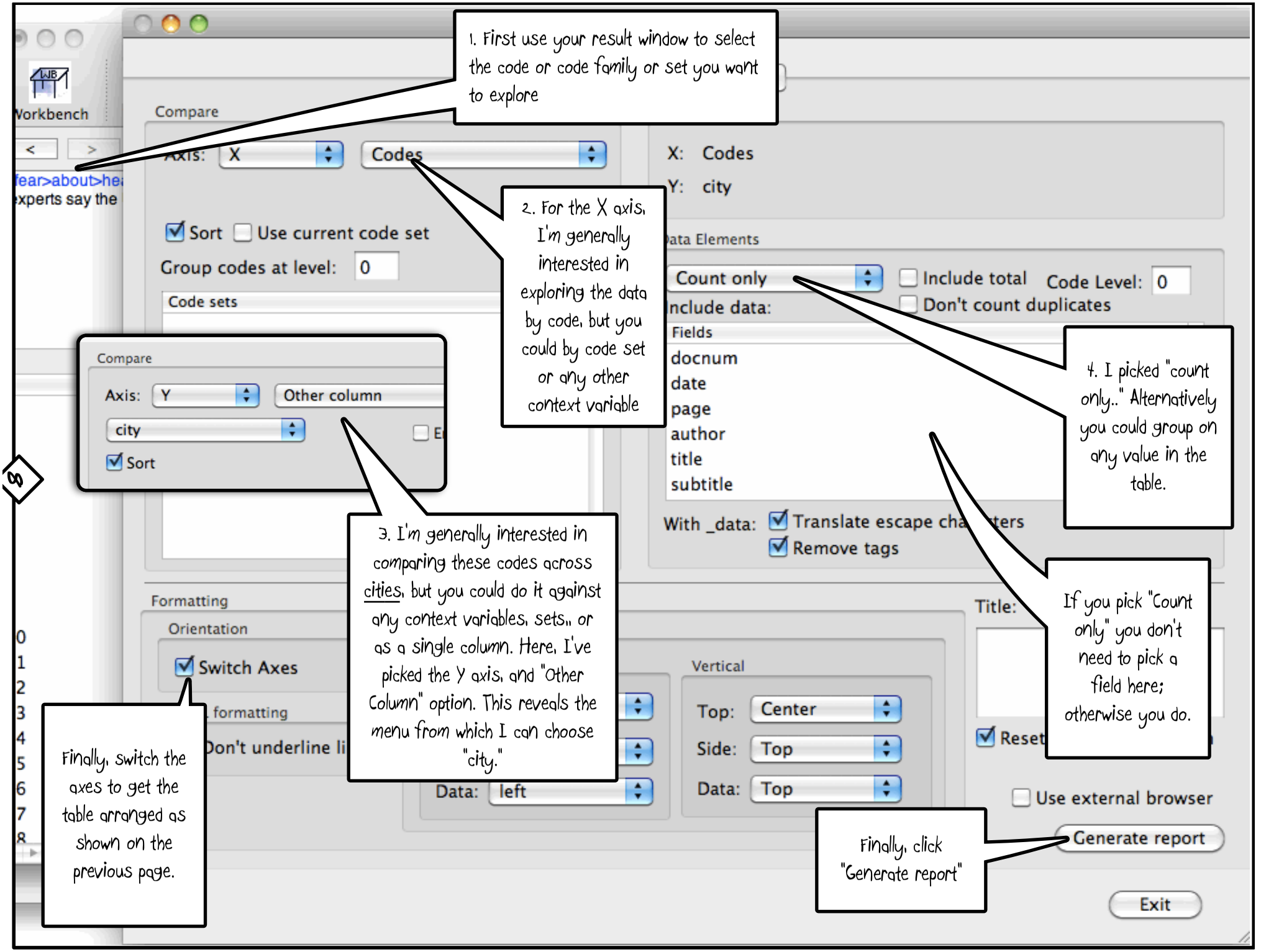
HERE I WANT TO SHOW YOU HOW TO QUICKLY ACCESS, FOR PURPOSES OF ANALYSIS, YOUR DATA IN A SIMPLE BUT POWERFUL WAY. AS I WRITE THIS I'M ANALYZING DATA FROM THE ANTHRAX ATTACKS OF 2001 TO UNDERSTAND HOW SCIENCE WAS PORTRAYED IN THE CONTEXT OF THE ATTACKS.

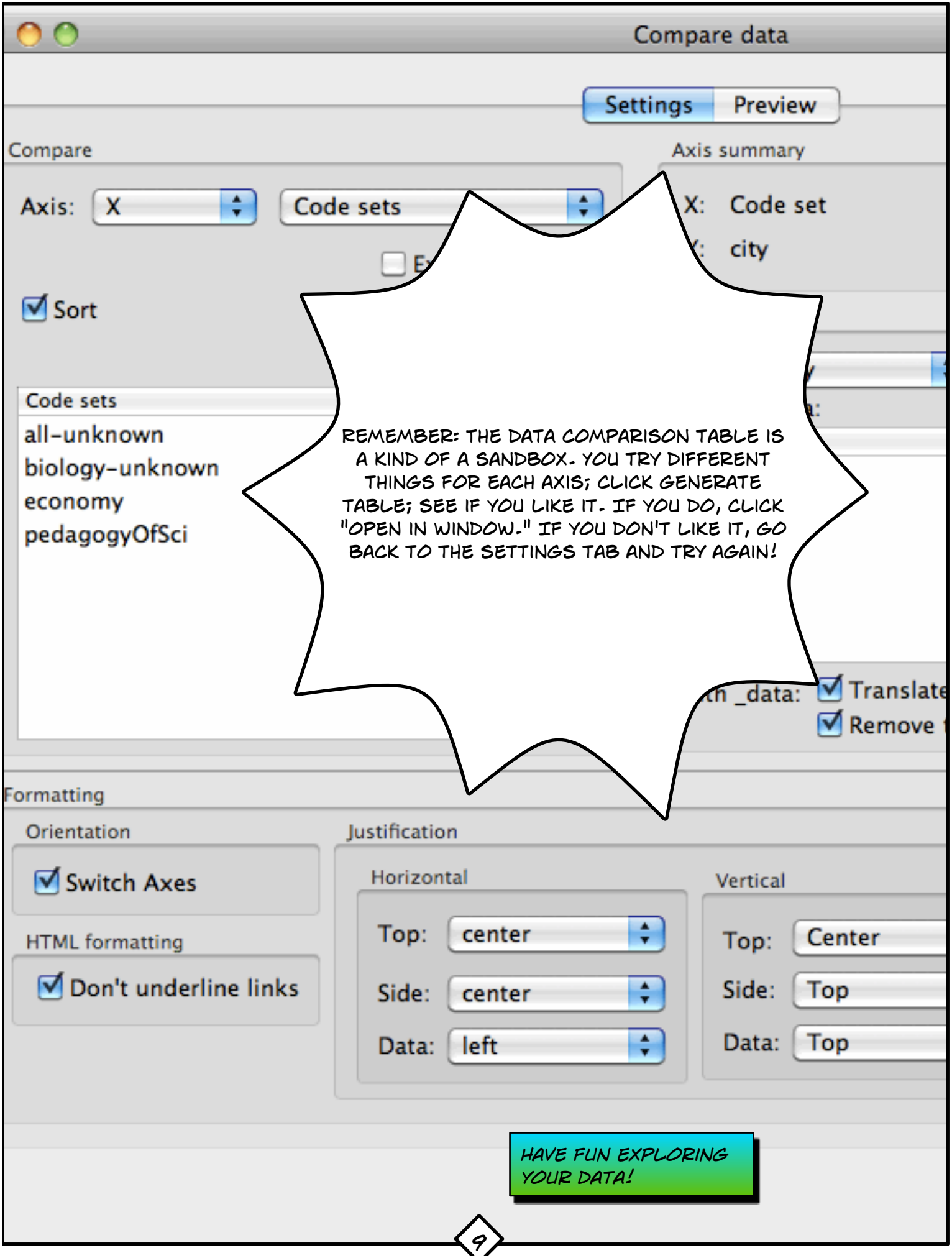
THIS IS A RELATIVELY LARGE PROJECT FOR ME: OVER 5000 CODED PASSAGES, DOZENS OF CONTEXT VARIABLES, 100S OF CODES. SO I NEED TO SEE QUICKLY A VARIETY OF SUBSETS OF MY DATA FOR EXPLORATION PURPOSES.

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:


Find Font Coding Results Project Metatags Reports Window Help
(Charged) Fri 2:44 PM
scientists.xtrs
Select all
Select...
Compare data
Add column
Remove tags
Comp. table
So I can control which records I'm paging through by clicking on the numbers in the windows on the right.
I selected only records related to biology. I then created a data comparison table of codes versus city (a context variable of mine)
Comparison of Codes by city
"Codes" compared against "city"
Codes | MWC | WCC | Total
biology>image | 13 | 40 | 53
biology>law | 1 | 21 | 22
biology>mystery | 8 | 36 | 44
biology>procedures | 94 | 54 | 148
biology>pubhealth | 105 | 80 | 185
biology>pubhealth>fake | 1 | 1 | 2
24 | 18 | 42
3 | 31 | 34
4 | 4 | 8
379 | 473 | 852
The tables are filled just with the counts of found records.
On click: Smart select/highlight
prompt
FileName
city
_code
_data
sfchronicle a
WCC
sfchronicle b
WCC
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.
The blue means that the numbers are hot linked to their records. Click on the number and see the records in your Results window.
Comparison of Codes by city
Codes | MWC | WCC | Total
>about>roguescientists | 5 | 4 | 9
scientists | 29 | 24 | 53
28 | 62
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)
click: Smart select/highlight


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
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."
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, switch the axes to get the table arranged as shown on the previous page.
Finally, click "Generate report"
Compare
Axis: X
Codes
X: Codes
Y: city
Sort
Use current code set
Group codes at level: 0
Code sets
Count only
Include total
Code Level: 0
Don't count duplicates
Fields
docnum
date
page
author
title
subtitle
Translate escape characters
Remove tags
Axis: Y
Other column
city
Sort
Formatting
Orientation
Switch Axes
Vertical
Top: Center
Side: Top
Data: left
Data: Top
Title:
Use external browser
Generate report
Exit


Compare data
Settings
Preview
Compare
Axis summary
Axis:
X
Code sets
X: Code set
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!
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!