

Impact of Data Processing on *Unified Enterprise Survey* Microdata

A Visual Representation
Route to the Final Datapoint

Fred Hazelton
Statistics Canada

UES (Unified Enterprise Survey)

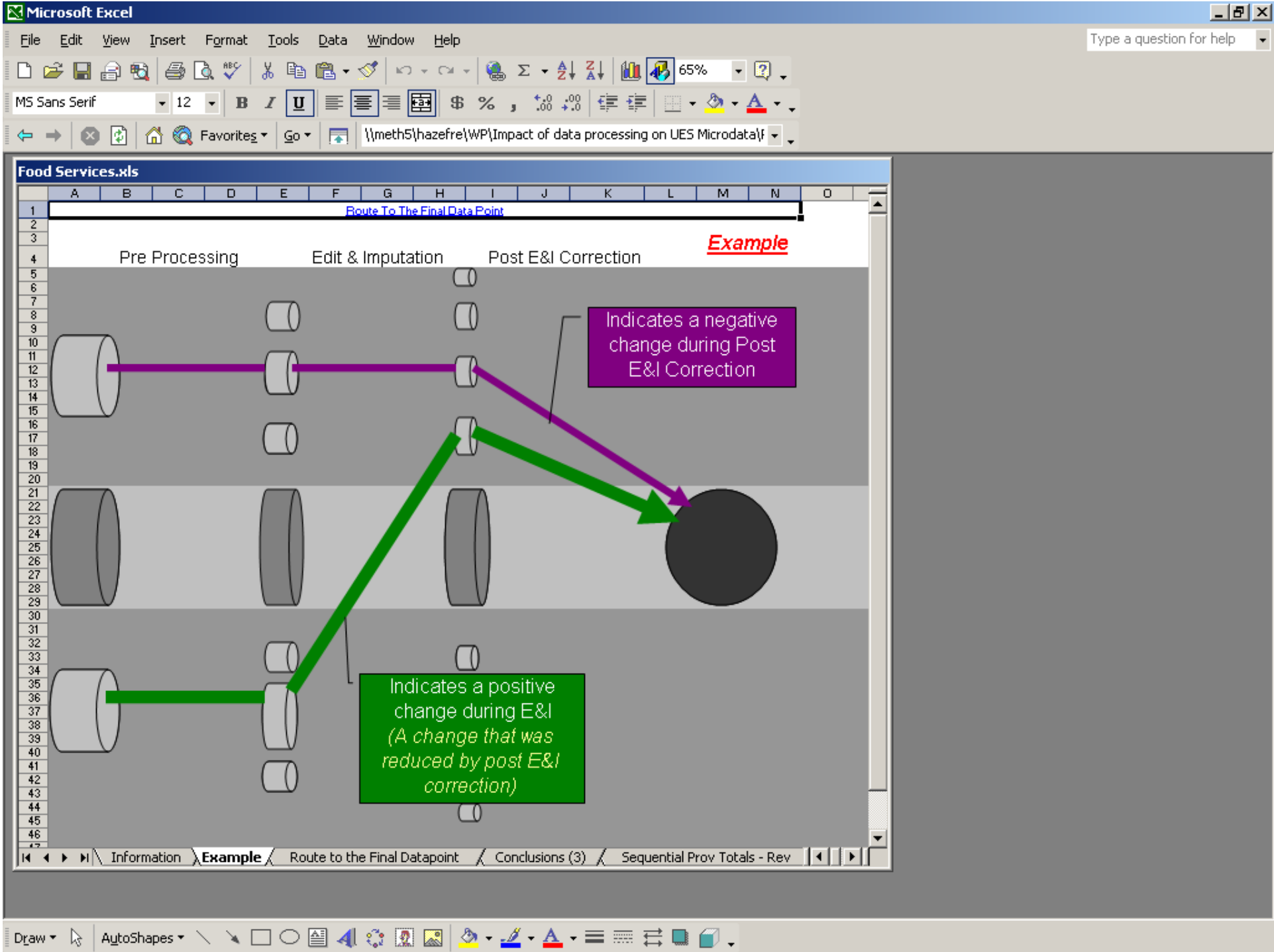
- Large Annual Business Survey
- Stages of Data Processing:
 - Data Capture
 - Post capture correction (pre-processing)
 - Edit and Imputation
 - Post E&I correction
 - *Allocation*
 - *Calendarization*
 - *Estimation*

The Questions

- “What happens to the data between stages?”
- “Are we undoing previous changes often?”
- “What is the impact of the changes?”
- “Is there a trend in the changes made?”

The Challenge

- Most tables and charts allow 1 or 2-dimensional analysis
- Is there a way to represent the “Big Picture”?
- *A datapoint map?*



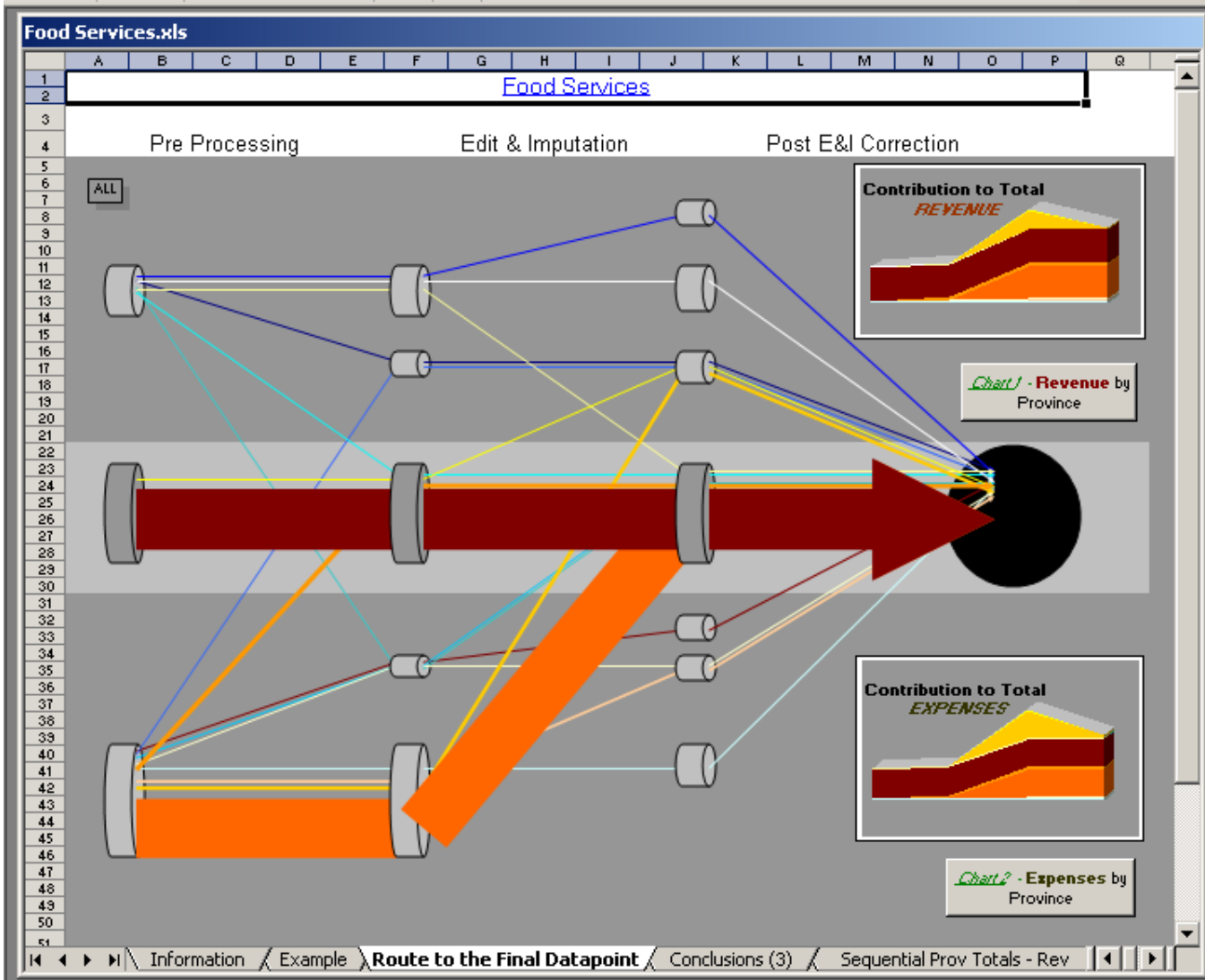
Microsoft Excel

File Edit View Insert Format Tools Data Window Help

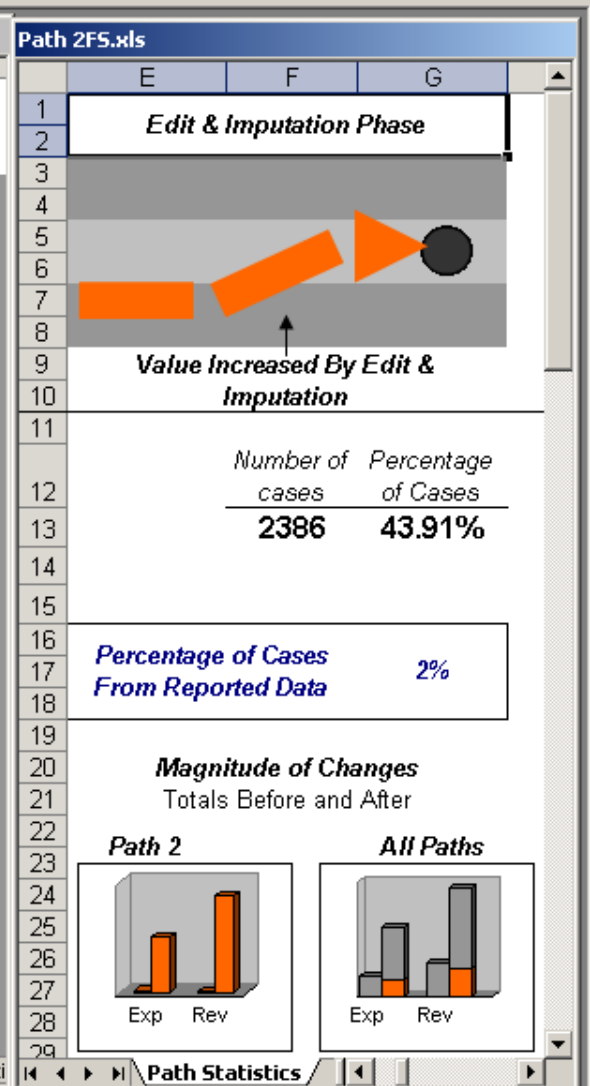
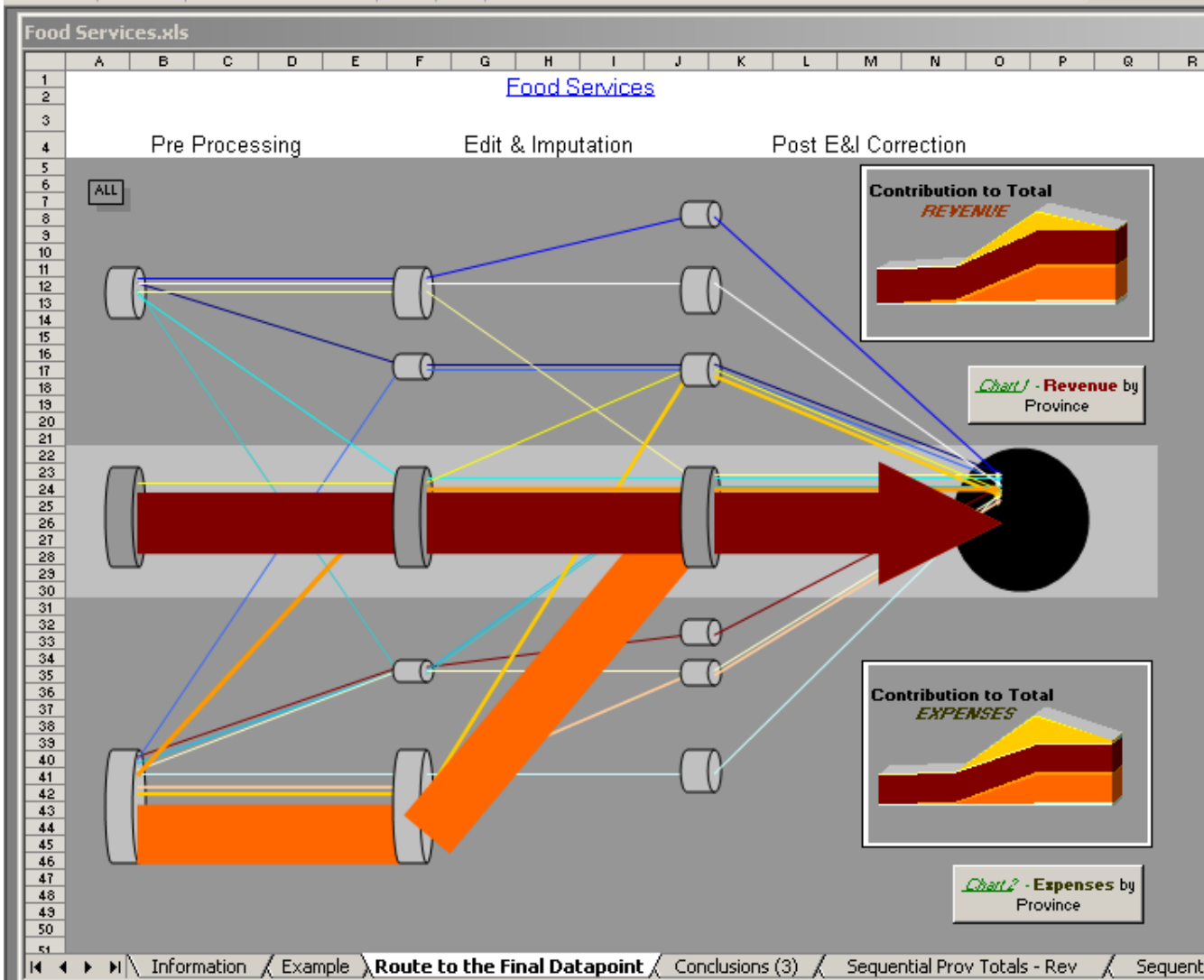
Type a question for help

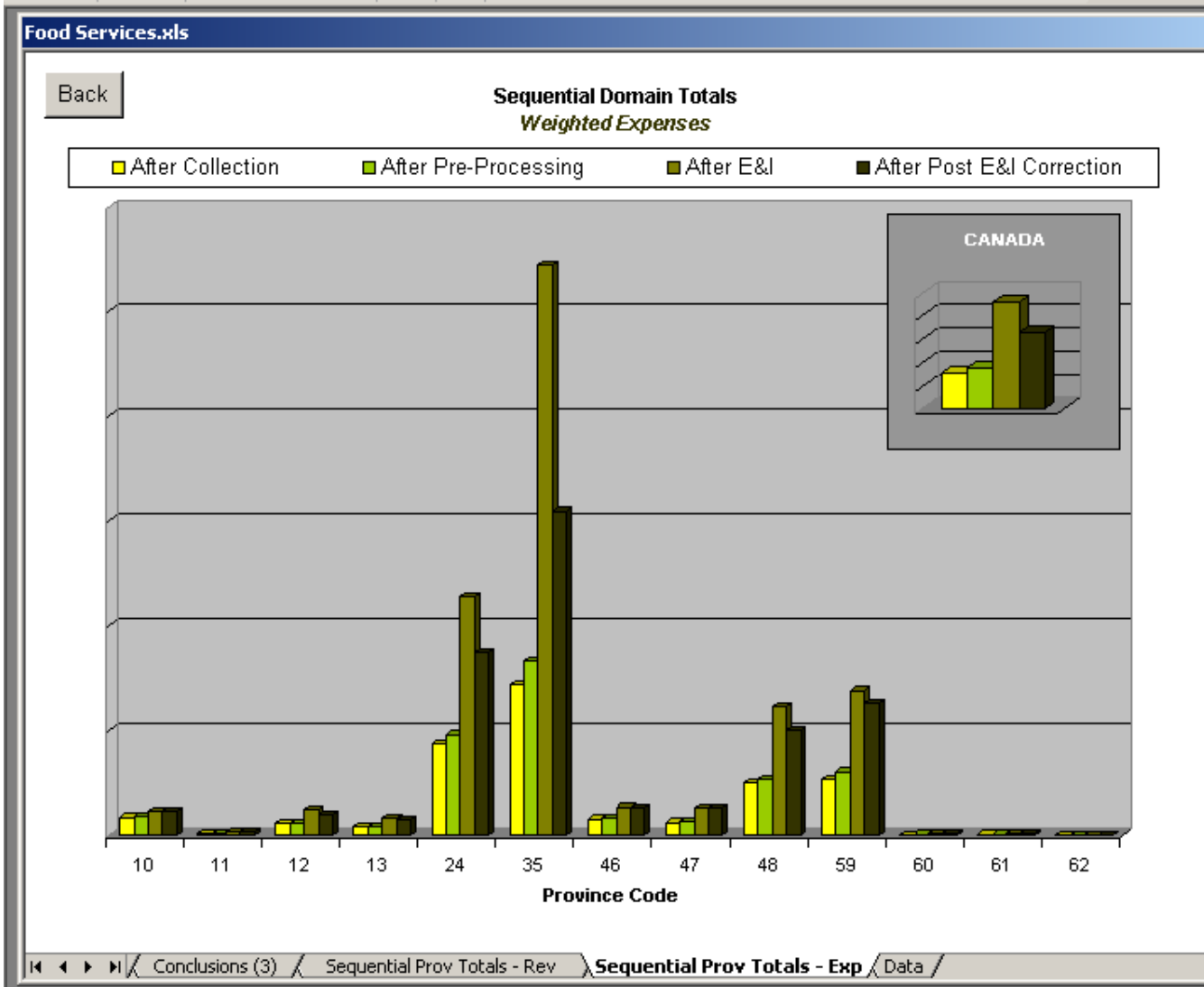
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Draw AutoShapes





Path 4FS.xls

	I	J	K
1	Post E&I Phase		
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12	<i>Number of cases</i>	<i>Percentage of Cases</i>	
13	152	2.80%	
14			
15			
16	Percentage of Cases From Reported Data		
17	0%		
18			
19			
20	Magnitude of Changes		
21	Totals Before and After		
22			
23	Path 4		All Paths
24			
25			
26			
27			
28			
29	Path Statistics		

The Outcomes

- Dynamic Visual Tool
- Sense of data movement
- Some conclusions we expected others not
- More questions