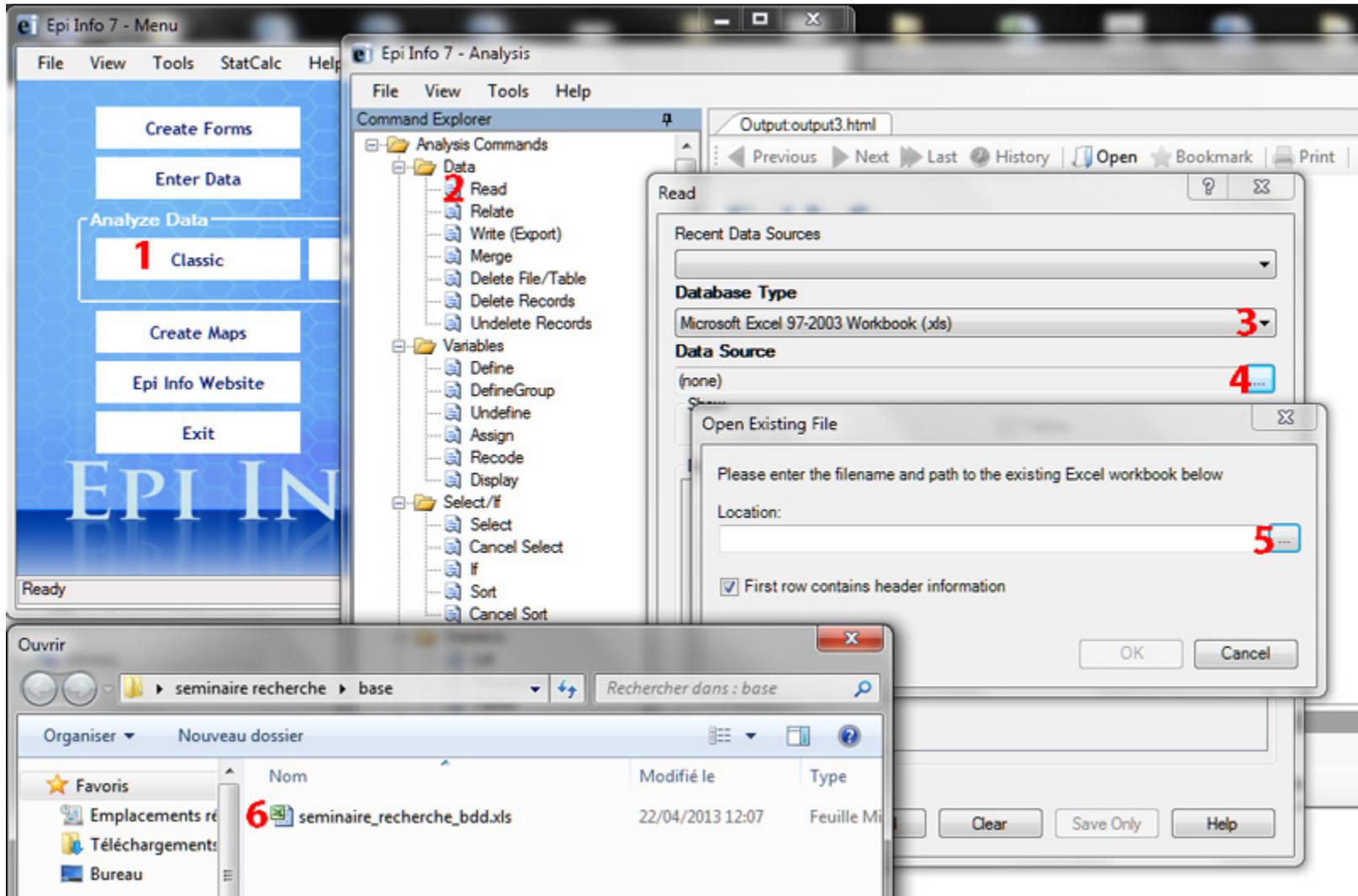


# Epi Info

Philippe Carrère, 2014

# Epi info, ouvrir une base



# Epi info, lister les variables

The screenshot shows the Epi Info 7 - Analysis interface. The main window displays the 'Epi Info' logo and the following information:

- Current Data Source: C:\Users\phil\Desktop\seminaire recherche\base\seminaire\_recherche\_bdd.xls:Feuil15
- Record Count: 1005 (Deleted Records Excluded) Date: 03/01/2014 16:53:45

The 'Command Explorer' on the left shows a tree view of analysis commands. The 'List' command under the 'Statistics' folder is highlighted with a red '1'. The 'Program Editor' at the bottom shows the following commands:

```
READ (C:\Users\phil\Desktop\seminaire_recherche_bdd.xls:Feuil15)
LIST * GRIDTABLE
```

The 'Line List' window displays a table of data with the following columns: agecode3, agecode5, agecode31, agecode32, agecode33, and agecode. The first three rows of data are:

agecode3	agecode5	agecode31	agecode32	agecode33	agecode
3	5	0	0	1	
3	5	0	0	1	
2	3	0	1	0	

The 'List' dialog box is open, showing the 'Variables' list with 'i' selected and a red '2' next to it. The 'All (\*) Except' checkbox is unchecked. The 'Display Mode' options are 'Printable / Exportable', 'Grid' (selected), and 'Allow Updates'. The 'OK' button is highlighted with a red '3'.

# Epi info, normalité?

The screenshot displays the Epi Info 7 software interface. The main window is titled "Epi Info 7 - Analysis" and contains a "Command Explorer" on the left, a central "Output.output14.html" window showing a bar chart, and a "Graph" dialog box on the right. The "Command Explorer" lists various data management and analysis tools, with "Graph" highlighted under the "Statistics" folder. The "Graph" dialog box shows "Column" selected as the "Graph Type" and "imc" as the "Dependent Axis Label". The bar chart in the background shows a distribution of values for the variable "imc".

Graph Type: Column (2)

Dependent Axis Label: imc (3)

Weight Variable: imc

Date Format:

Program Editor - New Program

File Edit Fonts

New Pgm Open Pgm Save Pgm Print... Run Commands

System Exception: Scatter graphs must contain two (2) main variables

Ready en-US 7.1.0.6 8/9/2012 CAPS NUM INS

# Epi info, une anova

The screenshot displays the Epi Info 7 interface. On the left is the Command Explorer with a tree view of commands. The main window shows the output of an ANOVA test. A dialog box titled 'Means' is open in the foreground, showing settings for a means test.

**ANOVA, a Parametric Test for Inequality of Population Means**  
(For normally distributed data only)

Variation	SS	df	MS	F statistic
Between	220,89574	1	220,89574	8,06342
Within	26846,91001	980	27,39481	
Total	27067,80575	981		

P-value = 0,004614

**Bartlett's Test for Inequality of Population Variances**

Bartlett's chi square= 0,09544 df=1 P value=0,757375

A small p-value (e.g., less than 0.05 suggests that the variances are not homogeneous and that the ANOVA may not be appropriate.

**Means Dialog Box:**

- Means of: imc (2)
- Cross-tabulate by Value of: nivedustoprim (3)
- Weight: [Empty]
- Output to Table: [Empty]
- Stratify by: [Empty]
- Optional Page Settings:  Columns Per Page,  No Line Wrap

HEIGHT	+	ILL
62.0	20	40
62.5	37	99

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# Epi info, un chi2

**Epi Info 7 - Analysis**

File View Tools Help

Command Explorer

Output:output13.html

Previous Next Last History Open Bookmark Print

## Epi Info

**Tables**

Outcome Variable: **imcob** 3

Exposure Variable: **nivedustopprim** 2

Weight: [Dropdown]

Stratify by: [Dropdown]

	WATER	ILL
+	20	40
-	37	69

Output to Table: [Text Box]

OK Cancel Clear

Program: [Text Box]

File [New]

READ [Text Box]

Ready

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# Epi info, un chi2

Epi Info 7 - Analysis

File View Tools Help

Command Explorer

Output:output13.html

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NIVEDUSTOPPRIM	imcob		Total
	0	1	
0	593	161	754
Row%	78,65%	21,35%	100,00%
Col%	78,34%	71,56%	100,00%
1	164	64	228
Row%	71,93%	28,07%	100,00%
Col%	21,66%	28,44%	23,22%
<b>TOTAL</b>	757	225	982
Row%	77,09%	22,91%	100,00%
Col%	100,00%	100,00%	100,00%

Single Table Analysis

	Point Estimate	95% Confidence Interval	
		Lower	Upper
PARAMETERS: Odds-based			
Odds Ratio (cross product)	1,4374	1,0258	2,0140 (T)
Odds Ratio (MLE)	1,4368	1,0216	2,0095 (M)
		1,0073	2,0361 (F)
PARAMETERS: Risk-based			
Risk Ratio (RR)	1,0934	1,0001	1,1954 (T)
Risk Difference (RD%)	6,7174	0,1924	13,2424 (T)
(T=Taylor series; C=Cornfield; M=Mid-P; F=Fisher Exact)			
STATISTICAL TESTS			
	Chi-square	1-tailed p	2-tailed p
Chi-square - uncorrected	4,4724		0,0344477431
Chi-square - Mantel-Haenszel	4,4678		0,0345396831
Chi-square - corrected (Yates)	4,1002		0,0428801044
Mid-p exact		0,0187384483	
Fisher exact		0,0226827363	0,0386098034

Program Editor - New Program

File Edit Fonts

New Pgm Open Pgm Save Pgm Print... Run Commands

Ready

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# Epi info, une régression logistique

Output:output14.html

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**LOGISTIC fdr3mettabv2 = agecode32 nivedustopprim revcode55 sexh**

**Unconditional Logistic Regression**

Term	Odds Ratio	95% C.I.	Coefficient	S. E.	Z-Statistic	P-Value
agecode32 (Yes/No)	3.4995	1.3871 8.8289	1.2526	0.4721	2.6530	0.0080
nivedustopprim (Yes/No)						
revcode55 (Yes/No)						
sexh (Yes/No)						
CONSTANT						

Convergence Iterations: Final -2\*Log Likelihood

Cases included

Test Score Likelihood

Program Editor - New Program

File Edit Fonts

New Pgm Open Pgm Save Pgm Print... Run Commands

Ready en-US 7.1.0.6 8/9/2012 CAPS NUM INS

**Logistic Regression**

Outcome Variable: fdr3mettabv2

Other Variables: agecode32, sexh, nivedustopprim, revcode55

Match Variable: [ ]

Weight: [ ]

Confidence Limits: [ ]

Output to Table: [ ]

No Intercept

( ) = Dummy variable

OK Cancel Clear Save Only Help

# Epi info, une régression logistique

Epi Info 7 - Analysis

File View Tools Help

Command Explorer

Output:output14.html

Previous Next Last History Open Bookmark Print

**LOGISTIC fdr3mettabv2 = agecode32 nivedustopprim revcode55 sexh**

**Unconditional Logistic Regression**

Term	Odds Ratio	95% C.I.	Coefficient	S. E.	Z-Statistic	P-Value
agecode32 (Yes/No)	<u>3,4995</u>	<u>1,3871</u> <u>8,8289</u>	1,2526	0,4721	2,6530	<u>0,0080</u>
<b>nivedustopprim (Yes/No)</b> <b>1</b>	<b>4,4462</b>	<u>1,7177</u> <u>11,5084</u>	1,4920	0,4852	<b>3,0749</b> <b>2</b>	<b>0,0021</b>
revcode55 (Yes/No)	<u>3,0506</u>	<u>1,1453</u> <u>8,1260</u>	1,1153	0,4999	2,2313	<u>0,0257</u>
sexh (Yes/No)	0,9938	0,4257 2,3203	-0,0062	0,4326	-0,0143	0,9886
CONSTANT	*	*	-4,1430	0,4237	-9,7778	<u>0,0000</u>

**Convergence:** Converged  
**Iterations:** 8  
**Final -2\*Log-Likelihood:** 175,6712  
**Cases included:** 578

Test	Statistic	D.F.	P-Value
<b>Score</b>	52,7441	4	0,0000 <b>3</b>
<b>Likelihood Ratio</b>	30,9524	4	0,0000

Program Editor - New Program

File Edit Fonts

New Pgm Open Pgm Save Pgm Print... Run Commands

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