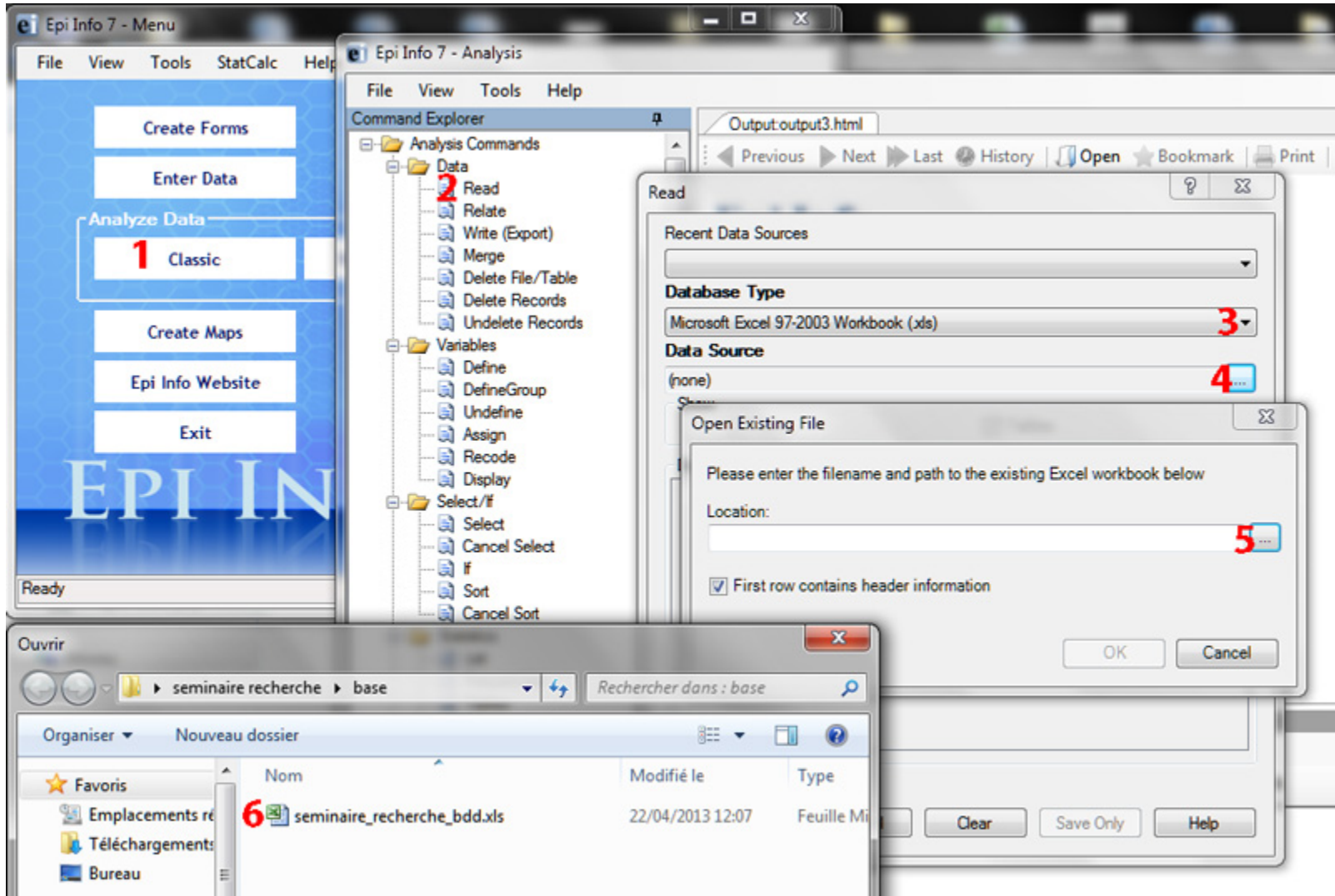


Epi Info

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 columns: agecode3, agecode5, agecode31, agecode32, agecode33, and agecode. The first three rows are highlighted in blue. A red '2' is placed above the first row.

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. A red '3' is placed above the 'OK' button. The 'Display Mode' options are 'Printable / Exportable', 'Grid' (selected), and 'Allow Updates'.

Epi info, normalité?

The screenshot displays the Epi Info 7 software interface. On the left is the Command Explorer tree, with the 'Graph' option under the 'Statistics' folder highlighted by a red arrow. The main window shows a bar chart with a y-axis from 1 to 18 and a very dense x-axis. A 'Graph' dialog box is open over the chart, with 'Column' selected in the 'Graph Type' dropdown (marked with a red '2') and 'imc' entered in the 'Weight Variable' field (marked with a red '3'). The 'Program Editor' at the bottom shows a system exception: 'System Exception: Scatter graphs must contain two (?) main variables'. The status bar at the bottom indicates 'Ready' and system information: '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 plot.

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 = 0,00461 **4**

Bartlett's Test for Inequality of Population Variances

Bartlett's chi square= 0,09544 df=1 P value=0,75737 **5**

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 settings:

- 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

Means plot data:

HEIGHT	+	-
62.0	20	40
62.5	37	99

Epi info, un chi2

Epi Info 7 - Analysis

File View Tools Help

Command Explorer

Data

- Read
- Relate
- Write (Export)
- Merge
- Delete File/Table
- Delete Records
- Undelete Records

Variables

- Define
- DefineGroup
- Undefine
- Assign
- Recode
- Display

Select/If

- Select
- Cancel Select
- If
- Sort
- Cancel Sort

Statistics

- List
- Frequencies
- Tables
- Means
- Summarize
- Graph

Advanced Statistics

- Linear Regression
- Logistic Regression
- Kaplan-Meier Survival
- Cox Proportional Hazards
- Complex Sample Frequencies
- Complex Sample Tables
- Complex Sample Means

Output:output13.html

Previous Next Last History Open Bookmark Print

Epi Info

Tables

Outcome Variable: imcob

Exposure Variable: nivedustopprim

Weight: [Dropdown]

Stratify by: [Dropdown]

	WATER	ILL
+	20	40
-	37	69

Output to Table: [Text Box]

OK Cancel Clear

Program

File

READ

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

Epi info, un chi2

Epi Info 7 - Analysis

File View Tools Help

Command Explorer

Output:output13.html

Previous Next Last History Open Bookmark Print

	imcob		
NIVEDUSTOPPRIM	0	1	Total
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%
TOTAL	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	2	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	3	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

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

Epi info, une régression logistique

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)	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 (2)

Other Variables: agecode32, sexh, nivedustopprim, revcode55 (3)

Interaction Terms

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>
nivedustopprim (Yes/No) 1	4,4462	<u>1,7177</u> <u>11,5084</u>	1,4920	0,4852	3,0749 2	0,0021
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
Score	52,7441	4	0,0000 3
Likelihood Ratio	30,9524	4	0,0000

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 |