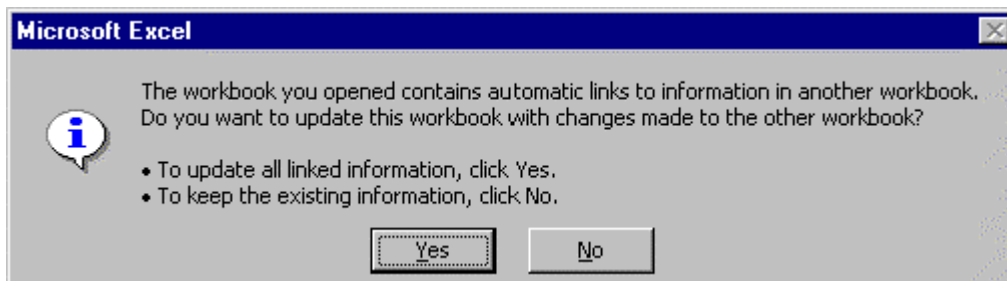


CORADMO.xls Users Manual

CoRADMo.xls takes its data from the exported output of a COCOMOII.exe run via an intermediate tool, COCOMOII_charts.xls that also provides useful results itself.

1. Run COCOMO.exe (COCOMO II.1998.0 or higher). Export (File, Export) your run's data to csv files, selecting the same directory where the project's .est and .rpt files are saved.
2. COPY the COCOMOII_charts.xls file from the directory where COCOMO.exe is installed to the directory where the project's .est, .rpt, and .csv files are stored.
3. Open the copy of COCOMOII_charts.xls.
4. In the "Menu" worksheet, click on the "Import COCOMO Files" button. Your Main.csv and Phase.csv files will be loaded. Do at least a save of COCOMOII_charts.xls, or you may Close.
5. Open CORADMO.xls, respond to the dialog screen below with "No" if you want to explore the spreadsheet first. After exploration, you must do an Edit Links Change Source so the COCOMOII_charts.xls for the project is linked to CORADMO.xls.
6. If you open CORADMO and say "Yes" in the dialog box below, select the COCOMOII_charts.xls for the project.



7. In the COPSEMO tab, the imported values for the required inputs are shown in Step 2.

A	B	C	E	G	H	J	L	M	O	Q	R	T	V	W	Y	AA	AB	AD	AF
1	COPSEMO --Bugs search															© Copyright 1998-2000 USC Center for Software Entingering.			
5	Step	NOTE: BOLD implies a required value. <i>Italic</i> implies an optional value																	
6	1.0	Currently implemented only for projects (not modules)																	
7	Get COCOMO II.2000 data and adjustments																		
9	2.0	Project: 5KNomNomNom			TotalSize= 5,000			PM_C= 17.3			M_C= 9.08								
10		(automatically from COCOMO_charts.xls)			SCED_R= N			SCEDinc= 0%			SCEDY= 1.00			P_C= 1.901					
17	Work hours per months (non-overhead or "billable"; COCOMO-II.2000 default= 152) = 152																		
19	3.0	Calculate Baseline values: PM_BS by adjusting work hours per months; M_BS by applying COPSEMO's M=f(PM) to PM_BS; and P_BS from PM_BS/M_BS.																	
20	Calculate Months_Base-Schedule (M_BS) as function of COCOMO II.2000 calculated effort (PM_CnoSCED)																		
21	If PM_C < 16 then M_BS = Sqrt(PM_CnoSCED); and therefore P=M																		
22	If 16 <= PM_C < 64 then M_BS=(Mof64-4)/48*PMnoSCED)+(4-16)*(Mof64-4)/48)																		
23	If PM >= 64 then M_BS = 3.67*(PM_C*(0.28+0.2*(B_C-0.91)))^SCEDph/100																		
24	M_BS= $\text{if}(\text{PMnoSCED} < 16.001, \text{SQRT}(\text{PMnoSCED}), \text{if}(\text{PMnoSCED} < 4, ((\text{Mof}64-4)/48 * \text{PMnoSCED}) + (4-16) * (\text{Mof}64-4)/48), 3.67 * \text{POWER}(\text{PMnoSCED}, (0.28 + 0.2 * (\text{B}-0.91))) * \text{SCEDph}/100))$																		
25	PM_BS= 17.3			M_BS= 4.26			P_BS= 4.055												
27	4.0	Get Effort % & Schedule % per stage																	
31	Default values: <i>italic</i>																		
32		Inception			Elaboration			Construction			Transition			Total E&C			Total		
33	Effort %	<i>6.0</i>	6.0	<input type="text" value="6.0"/>	<i>24.0</i>	24.0	<input type="text" value="24.0"/>	<i>76.0</i>	76.0	<input type="text" value="76.0"/>	<i>12</i>	12.0	<input type="text" value="12.0"/>	100.0	100.0	118.0	118.0		
34	Schedule %	<i>12.5</i>	12.5	<input type="text" value="12.5"/>	<i>37.5</i>	37.5	<input type="text" value="37.5"/>	<i>62.5</i>	62.5	<input type="text" value="62.5"/>	<i>12.5</i>	12.5	<input type="text" value="12.5"/>	100.0	100.0	125.0	125.0		
35	PIAve(P)	<i>0.48</i>	0.48	<input type="text" value="0.48"/>	<i>0.64</i>	0.64	<input type="text" value="0.64"/>	<i>1.22</i>	1.22	<input type="text" value="1.22"/>	<i>1.00</i>	1.00	<input type="text" value="1.00"/>	1.00	1.00	Does not apply	Does not apply		

8. You may adjust the percentages of Effort and Schedule in the Inception, Elaboration and Transition phases by clicking up/down arrows in the spinners in rows 33 and 34, or you may leave the values at their default setting. Each click of a spinner changes the percentage up or down by 0.5%.

9. In the CORADMO tab, you can use the drop-down list boxes in Row 46 to change the Driver Level value for the CORADMO drivers.

A	B	C	E	G	H	J	L	M	O	Q	R	T	V	W	Y	AA			
1	CORADMO															© Copyright 1998-2000 USC Center for Software Entingering.			
5	Step	BOLD: required values carried forward from COPSEMO; <i>Italic: optional values carried forward from COPSEMO</i>																	
6	1.0	Get COCOMO II.2000 data and adjustments from COPSEMO																	
7	Project: 5KNomNomNom TotalSize= 5,000 PM_C= 17.3 M_C= 9.08 P_C= 1.901																		
8	Including Schedule parameters SCED_R= N SCEDinc= 0% SCEDY= 1.00																		
9	Including Scale Factor Ratings PREC_R= N FLEX_R= N RESL_R= N TEAM_R= N PMAT_R= N																		
24																			
25	2.0	Get COPSEMO Distribution information: Values specified or Calculated in COPSEMO. Baseline/Input vales: BOLD																	
26	Eff% & Sched % per stage (per CoPSEMO)																		
30		Inception			Elaboration			Construction			Total E&C			Total					
31	Effort %	<i>6.0</i>	6.0	<input type="text" value="6.0"/>	<i>24.0</i>	24.0	<input type="text" value="24.0"/>	<i>76.0</i>	76.0	<input type="text" value="76.0"/>	<i>12</i>	12.0	<input type="text" value="12.0"/>	100.0	100.0	118.0	118.0		
32	Schedule %	<i>12.5</i>	12.5	<input type="text" value="12.5"/>	<i>37.5</i>	37.5	<input type="text" value="37.5"/>	<i>62.5</i>	62.5	<input type="text" value="62.5"/>	<i>12.5</i>	12.5	<input type="text" value="12.5"/>	100.0	100.0	125.0	125.0		
33	PIAve(P)	<i>0.48</i>	0.48	<input type="text" value="0.48"/>	<i>0.64</i>	0.64	<input type="text" value="0.64"/>	<i>1.22</i>	1.22	<input type="text" value="1.22"/>	<i>1.00</i>	1.00	<input type="text" value="1.00"/>	1.00	1.00	Does not apply	Does not apply		
34		PM / M = P	PM / M = P	PM / M = P	PM / M = P	PM / M = P	PM / M = P	PM / M = P	PM / M = P	PM / M = P	PM / M = P	PM / M = P	PM / M = P	PM / M = P	PM / M = P	PM / M = P	PM / M = P		
35	PSE Distributed	1.04 / 0.53 = 1.95	4.14 / 1.60 = 2.60	13.12 / 2.66 = 4.93	17.3 / 4.26 = 4.05	20.4 / 5.32 = 3.83	3.83	3.83	3.83	3.83	3.83	3.83	3.83	3.83	3.83	3.83	3.83		
44																			
45	3.0	Get the Schedule Multipliers values.																	
46		<input type="text" value="RVHL N"/>	<input type="text" value="DPRS N"/>	<input type="text" value="CLAB N"/>	<input type="text" value="RESL N"/>	<input type="text" value="PPOS N"/>													