

Nº of activities: **8**

Nº of duration risks: **0**

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Nº Monte Carlo Simulations: **20000**

RESET 

Nº of cost risks: **0**

Activity	PDF	Cod.	Duration						Cost						Cod.	PDF
			μ	σ	min	"+prob"	max	Slack	Variable cost	Fixed cost	σ	min	"+prob"	max		
A1	Triangular	4			1	2	2,5	0	150	0					1	Deterministic
A2	Normal	3	4	0,6				0	100	0				1	Deterministic	
A3	Beta-Pert	5			4	5	5,5	0	80	0				1	Deterministic	
A4	Triangular	4			2,5	3	4	0	220	0				1	Deterministic	
A5	Normal	3	8	1				0	110	0				1	Deterministic	
A6	Normal	3	6	0,5				0	90	0				1	Deterministic	
A7	Triangular	4			7	8	9	0	50	0				1	Deterministic	
A8	Beta-Pert	5			1	2	3,5	0	300	0				1	Deterministic	

Precedence Relationship Matrix

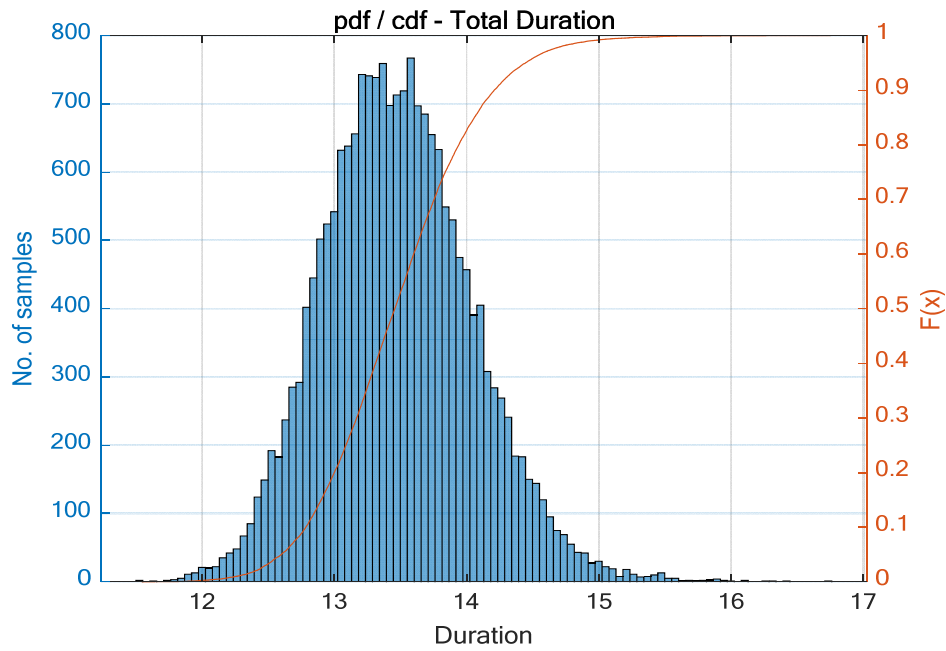
	Predecessors →									
Successors ↓	A0	A1	A2	A3	A4	A5	A6	A7	A8	A9
A0	0	0	0	0	0	0	0	0	0	0
A1	1									
A2	1									
A3	1									
A4		1								
A5			1							
A6			1	1						
A7					1					
A8						1				
A9							1	1	1	

Duración

PV **13**

	Duración Total	Contingencia Duración
Percentil 78	13,898	0,898

Gráfica

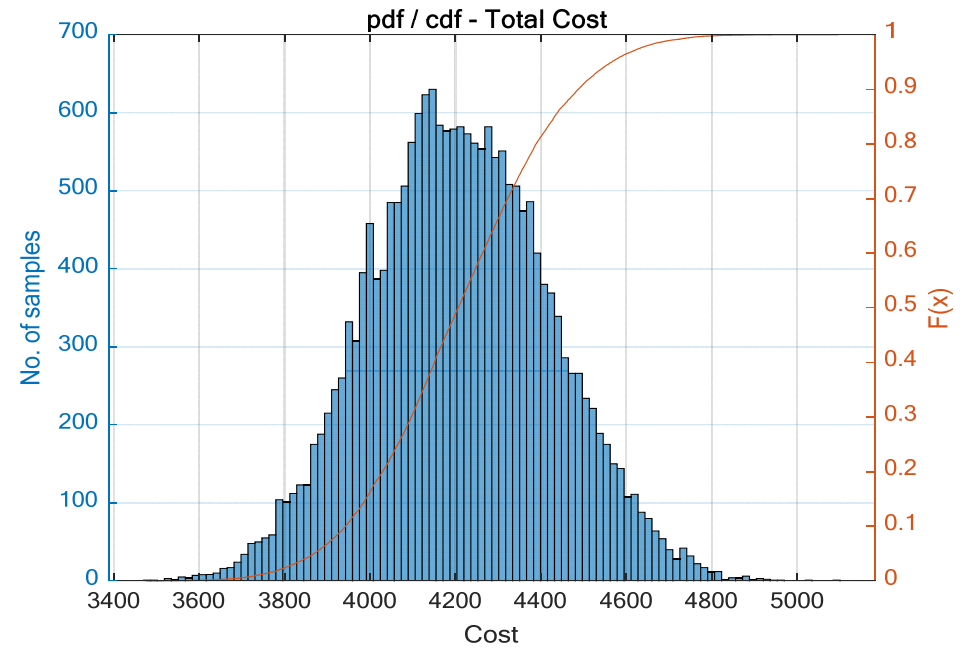


Coste

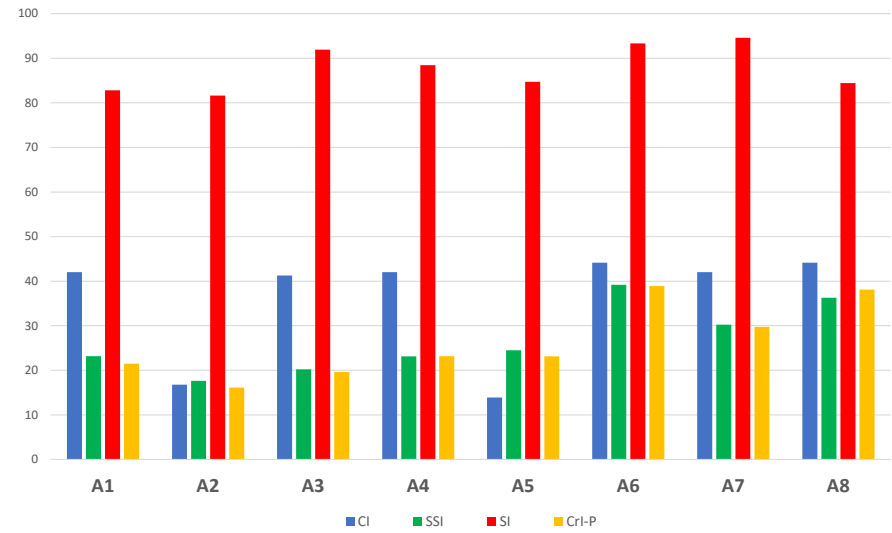
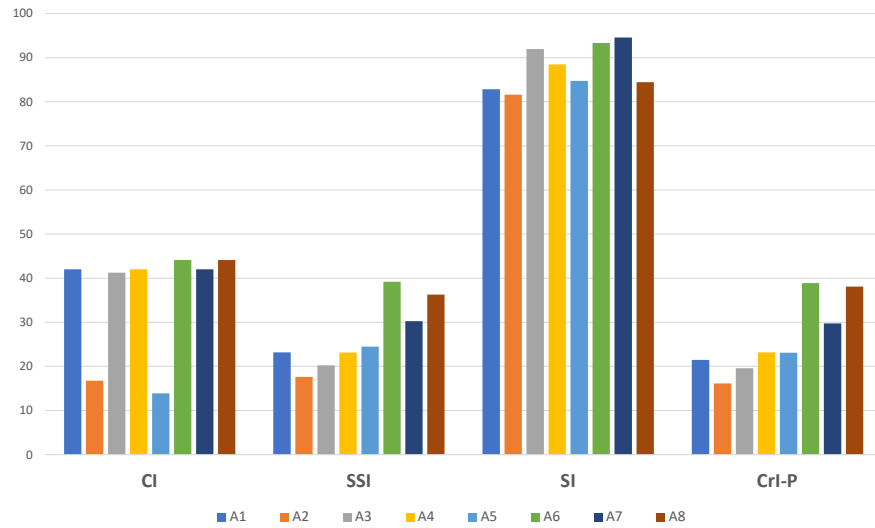
BAC **4180**

	Coste Total	Contingencia Coste
Percentil 78	4375,17	195,17

Gráfica



Actividad	A1	A2	A3	A4	A5	A6	A7	A8
CI	42,05	16,765	41,29	42,05	13,895	44,15	42,05	44,15
SSI	23,1589	17,6211	20,2221	23,1420	24,4936	39,1877	30,2389	36,3014
SI	82,8240	81,6218	91,9473	88,4467	84,7226	93,3255	94,5705	84,4382
CrI-P	21,4667	16,1227	19,5954	23,1617	23,1161	38,9207	29,7244	38,1296



Nº of activities: **8**

Nº of duration risks: **3**

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Nº Monte Carlo Simulations: **20000**



Nº of cost risks: **2**

Duration								Cost								
Activity	PDF	Cod.	μ	σ	min	"*prob"	max	Slack	Variable cost	Fixed cost	σ	min	"*prob"	max	Cod.	PDF
A1	Triangular	4			1	2	2,5	0	150	0					1	Deterministic
A2	Normal	3	4	0,6				0	100	0					1	Deterministic
A3	Beta-Pert	5			4	5	5,5	0	80	0					1	Deterministic
A4	Triangular	4			2,5	3	4	0	220	0					1	Deterministic
A5	Normal	3	8	1				0	110	0					1	Deterministic
A6	Normal	3	6	0,5				0	90	0					1	Deterministic
A7	Triangular	4			7	8	9	0	50	0					1	Deterministic
A8	Beta-Pert	5			1	2	3,5	0	300	0					1	Deterministic

Activity	PDF	Cod.	μ	σ	min	"*prob"	max	P / I	t / C	Risk/Act	Same Risk
A9	Uniform	2			0,02		0,08	P	t	R1	a
A9	Uniform	2			1,5		3	I	100	2	
A10	Uniform	2			0,08		0,25	P	t	R2	b
A10	Uniform	2			1,5		3	I	110	5	
A11	Uniform	2			0		0,02	P	t	R3	c
A11	Uniform	2			3		6	I	50	7	
Cost Risk1	Uniform	2			0,08		0,25	P	C	R4	b
Cost Risk1	Uniform	2			300		750	I	C	5	
Cost Risk2	Uniform	2			0,25		0,4	P	C	R5	d
Cost Risk2	Uniform	2			100		300	I	C	6	

- In the RED-shaded cell, the VARIABLE DURATION corresponding to the activity affecting that duration risk must be entered.
- Each BLUE-shaded cell must enter the corresponding ACTIVITY number affected by this Duration and/or Cost risk.
- Identify with the original name of the risk (a, b,...) in the WHITE-shaded cell of the 'Same Risk' column. If the same risk can affect an activity's duration and cost simultaneously, designate these risks with the same letter (the original risk).

Risk Correlation	R1	R2	R3	R4	R5
R1					
R2					
R3					
R4					
R5					

Positive value ('1') means positive correlation (e.g. '1' in (Ri,Rj) means that Rj will occur only if Ri occurs).
 Negative value ('-1') means negative correlation (e.g. '-1' in (Rm,Rn) means that Rn will occur only if Rm does NOT occur).

Precedence Relationship Matrix

Predecessors	A0	A1	A2	A3	A4	A5	A6	A7	A8	A9	A10	A11	Af
Successors	A0	0	0	0	0	0	0	0	0	0	0	0	0
A1	1												
A2	1												
A3	1												
A4		1											
A5										1			
A6					1					1			
A7						1							
A8							1						
A9								1					
A10									1				
A11										1			
Af											1	1	

Duración

TEAC

13

Duración Total Contingencia Duración

Percentil 78

14,17

1,17

Coste

BAC

4180

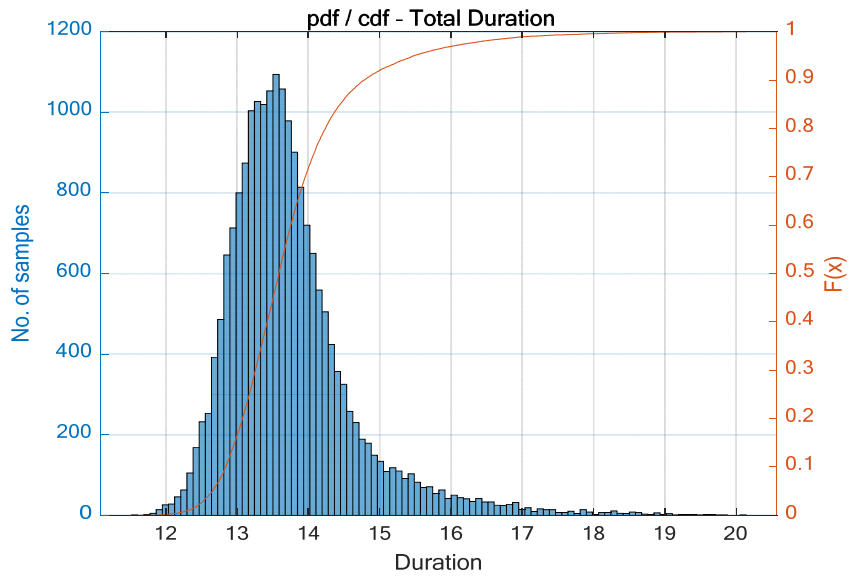
Coste Total Contingencia Coste

Percentil 78

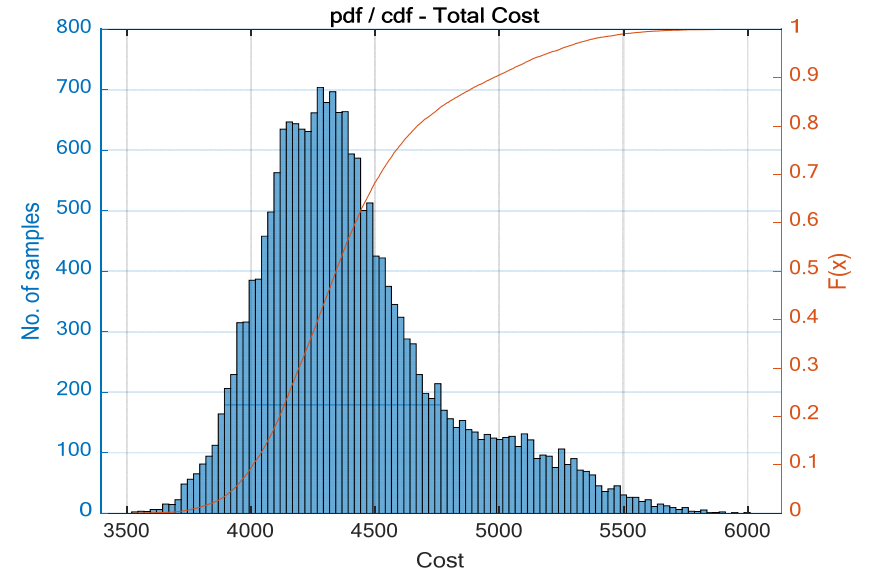
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452,865

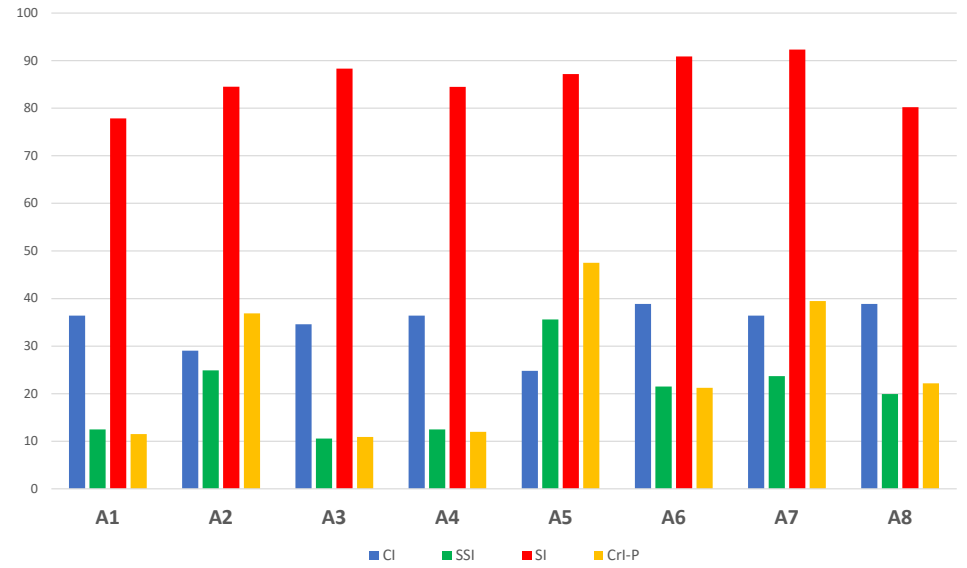
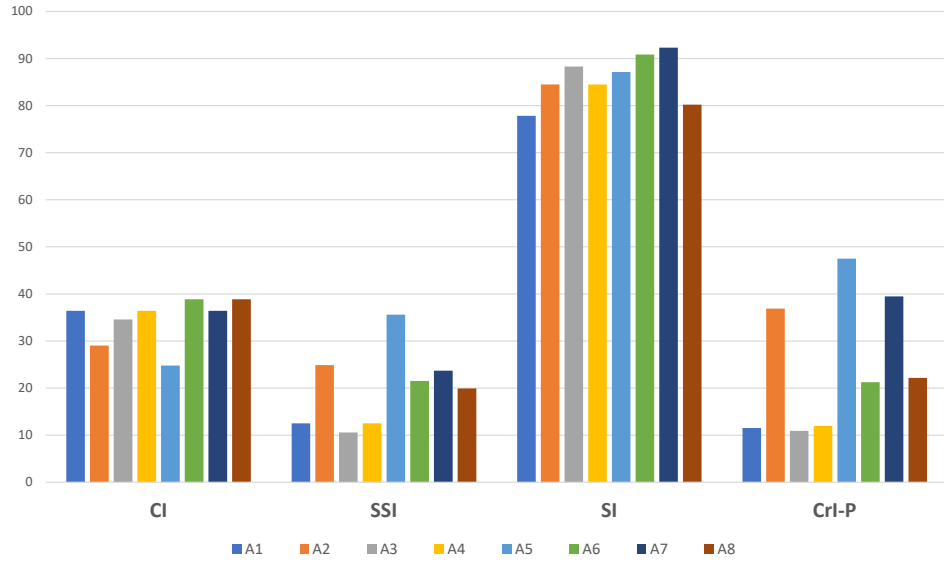
Gráfica



Gráfica



Actividad	A1	A2	A3	A4	A5	A6	A7	A8
CI	36,415	29,06	34,61	36,415	24,805	38,865	36,415	38,865
SSI	12,5102	24,8975	10,5734	12,5010	35,6231	21,5183	23,7061	19,9334
SI	77,8355	84,5097	88,2995	84,4898	87,1589	90,8760	92,3344	80,2115
CrI-P	11,5311	36,8926	10,9152	11,9755	47,4997	21,2489	39,4936	22,1795



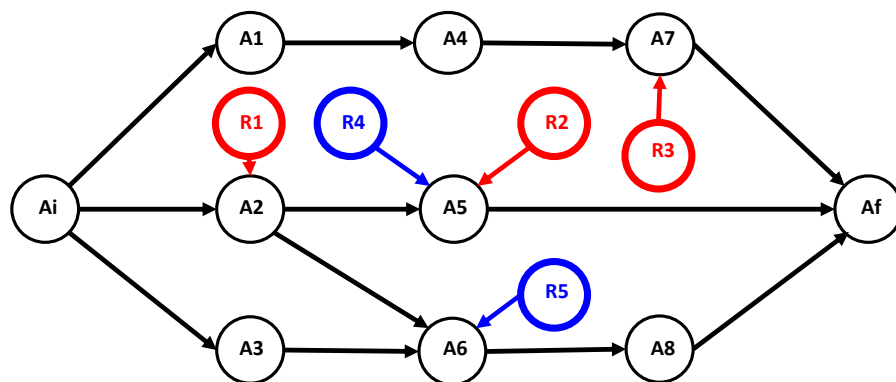
	Probabilidad %		Impacto Duración %		Impacto Coste %	
	mínimo	máximo	mínimo	máximo	mínimo	máximo
Muy Alta	40	100	46,0	100,0	31,1	100,0
Alta	25	40	23,0	46,0	17,9	31,1
Media	8	25	11,5	23,0	7,2	17,9
Baja	2	8	4,0	11,5	2,4	7,2
Muy Baja	0	2	0,0	4,0	0,0	2,4

Duración Planificada: 13
 Coste Planificado: 4180

	Probabilidad %		Impacto Duración %		Impacto Coste %	
	mínimo	máximo	mínimo	máximo	mínimo	máximo
MA	40	100	6,0	13,0	1300,0	4180,0
A	25	40	3,0	6,0	750,0	1300,0
M	8	25	1,5	3,0	300,0	750,0
B	2	8	0,5	1,5	100,0	300,0
MB	0	2	0,0	0,5	0,0	100,0

Actividad		Probabilidad	Imp Dur	Imp Cost
2	Ra	R1	M	
5	Rb	R2	M	M
7	Rc	R3	A	
6	Rd	Rc2	A	B

Probabilidad		Impacto Dur		Impacto Cost	
0,02	0,08	1,5	3		
0,08	0,25	1,5	3	300	750
0	0,02	3	6		
0,25	0,4			100	300



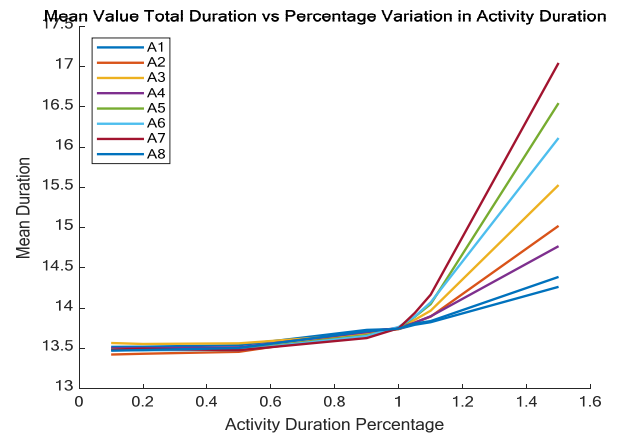
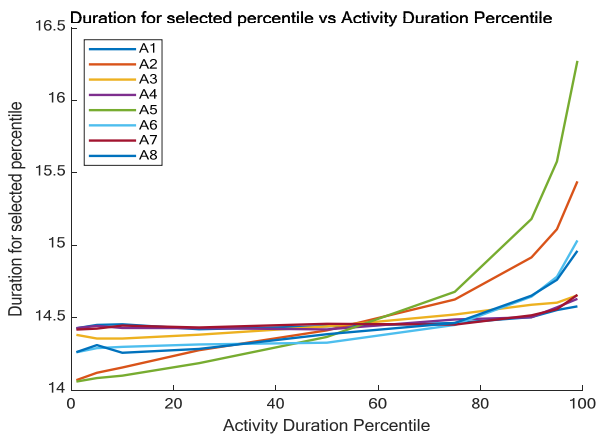
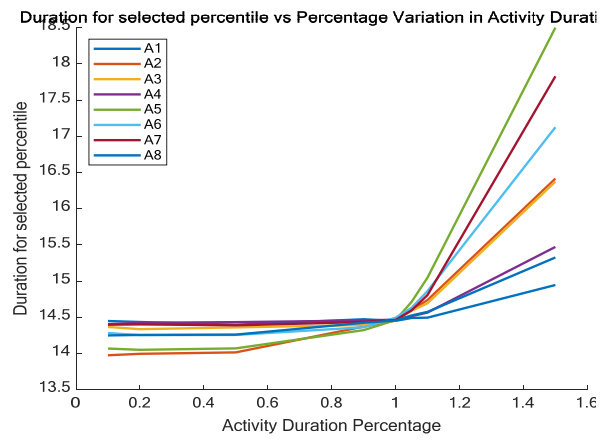
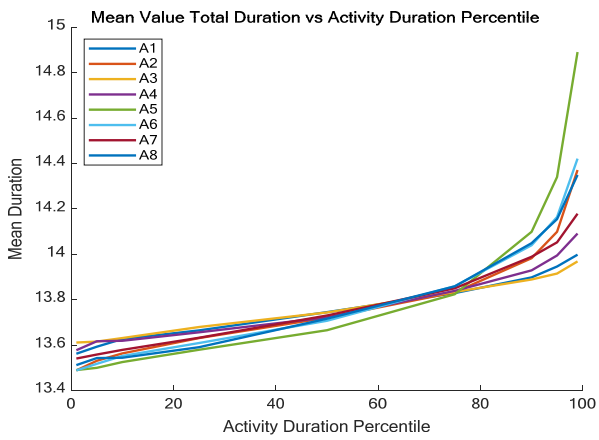
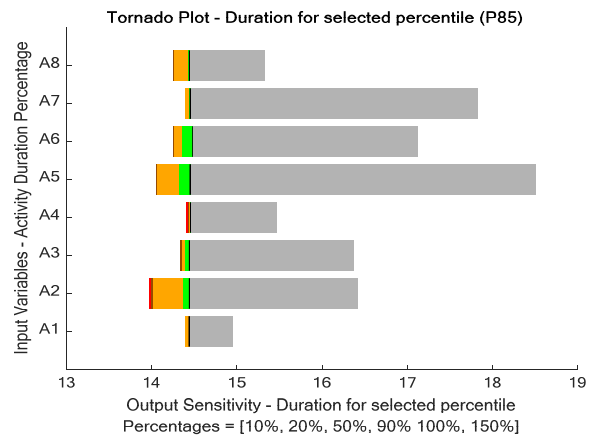
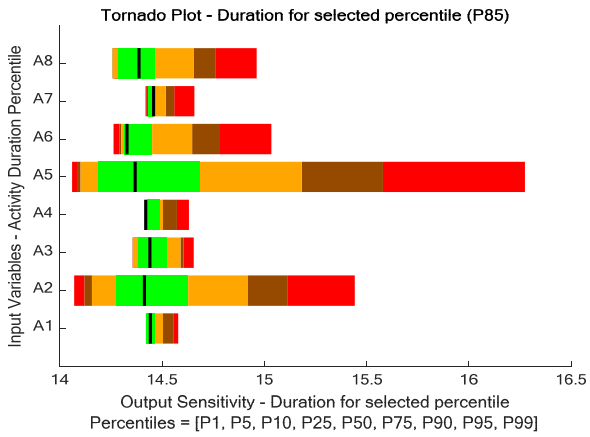
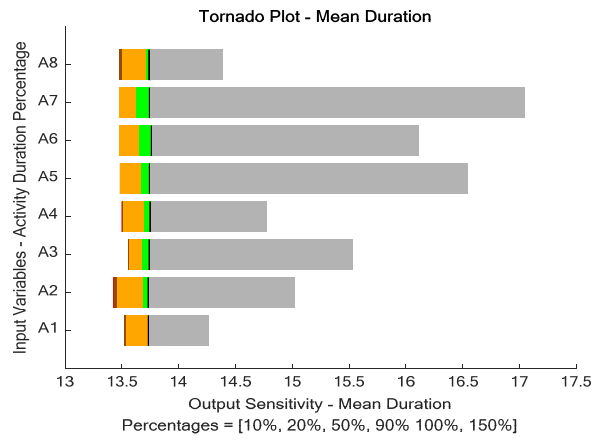
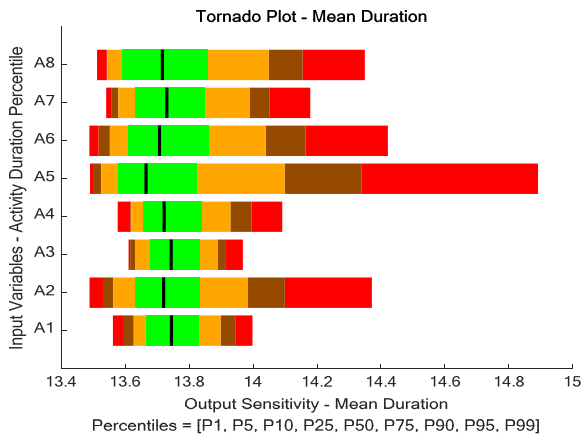
Actividad			Probabilidad	Imp Dur	Imp Cost
2	Ra	R1	B	M	
5	Rb	R2	M	M	M
7	Rc	R3	MB	A	
6	Rd	Rc2	A		B

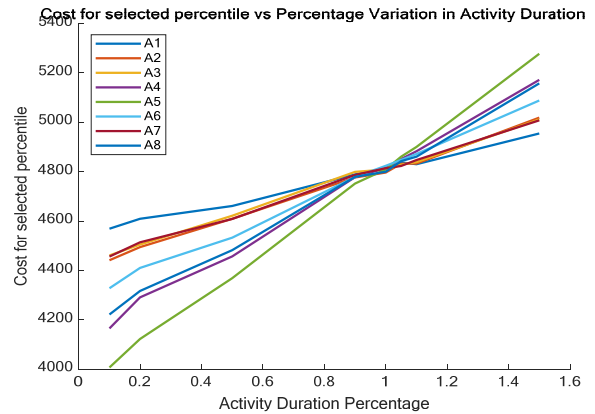
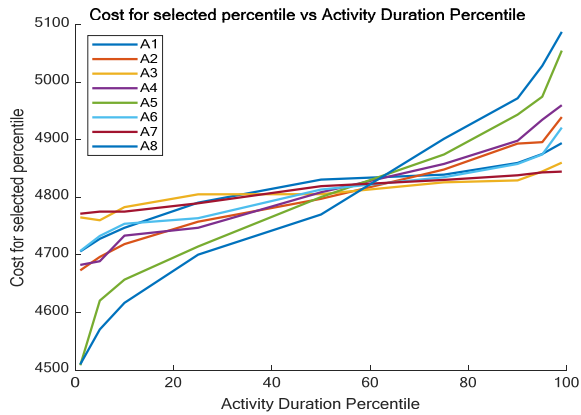
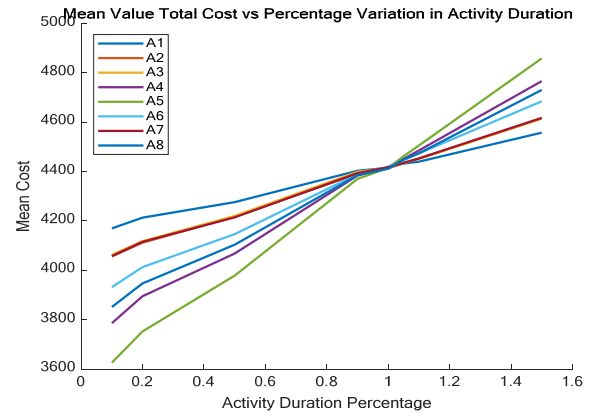
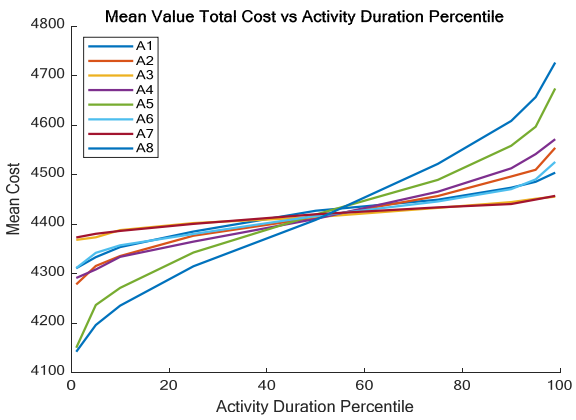
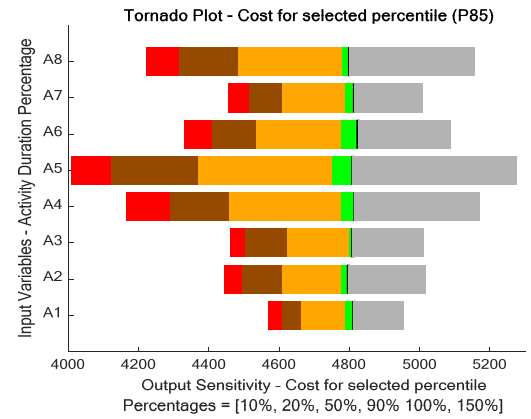
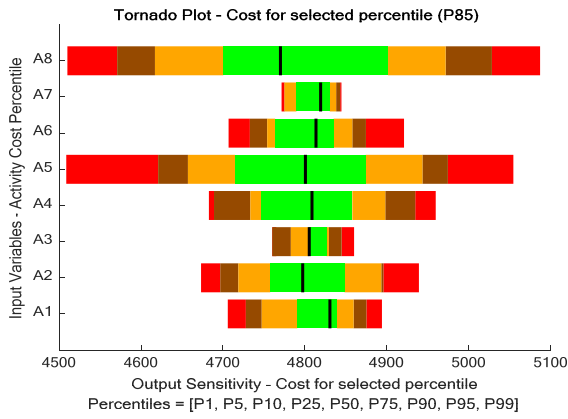
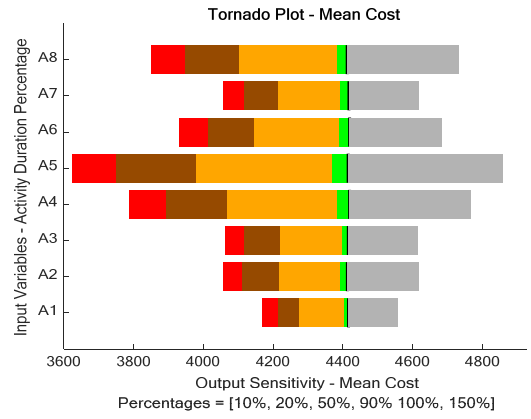
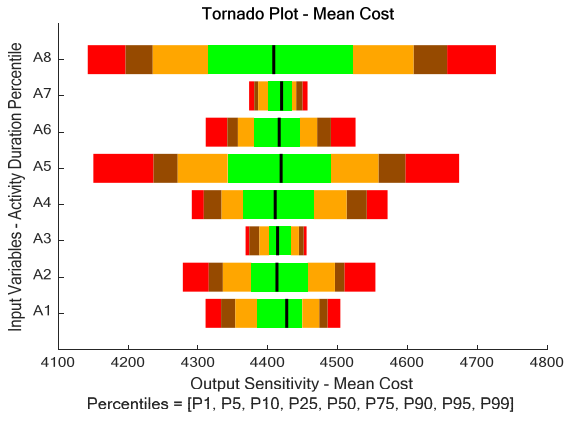
PxI	Rank_Dur	Rank_Cost
0,06	2	
0,1	1	1
0,04	3	
0,07		2

Riesgos	P x I		QRP - P85	
	Rank_Dur	Rank_Cost	Rank_Dur	Rank_Cost
Ra	2	3	2	3
Rb	1	1	1	1
Rc	3	3	3	4
Rd	4	2	4	2

Probability	%						
Very High (VH)	40 - 100	0,90	0,05	0,09	0,18	0,36	0,72
High (H)	25 - 40	0,70	0,04	0,07	0,14	0,28	0,56
Medium (M)	8 - 25	0,50	0,03	0,05	0,10	0,20	0,40
Low (L)	2 - 8	0,30	0,02	0,03	0,06	0,12	0,24
Very Low (VL)	0 - 2	0,10	0,01	0,01	0,02	0,04	0,08
			0,05	0,1	0,2	0,4	0,8
Impact Duration (days)			0 - 0,5	0,5 - 1,5	1,5 - 3	3 - 6	> 6
			Very Low (VL)	Low (L)	Medium (M)	High (H)	Very High (VH)
Impact Cost (x1000 monetary units)			0 - 100	100 - 300	300 - 750	750 - 1300	> 1300
			Very Low (VL)	Low (L)	Medium (M)	High (H)	Very High (VH)

Riesgos	P x I		QRP	Diff Posición	P x I		QRP	Diff Posición
	Rank_Dur	Rank_Cost			Rank_Cost	Rank_Cost		
Ra	2	2	2	0	3	3	3	0
Rb	1	1	1	0	1	1	1	0
Rc	3	3	3	0	3	4	4	-1
Rd	4	4	4	0	2	2	2	0





Duración
Percentil 78

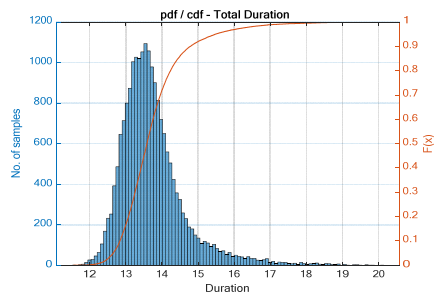
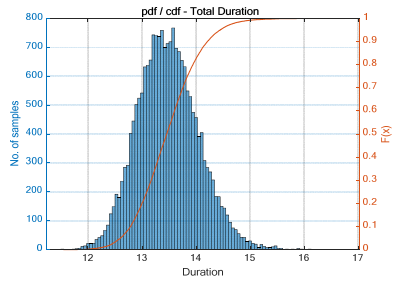
TEAC **13**

	Duración Total	Contingencia Duración
Sin Riesgo	13,898	0,898
Con Riesgo	14,17	1,17

Gráfica

Sin Riesgo

Con Riesgo



Coste
Percentil 78

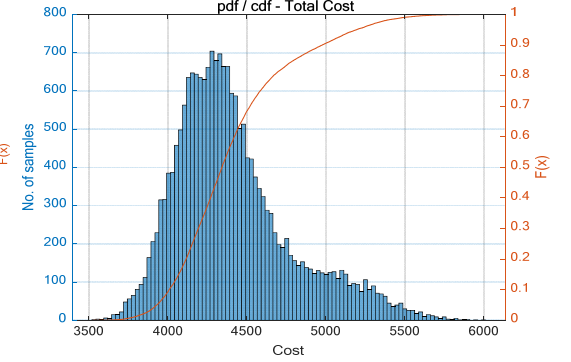
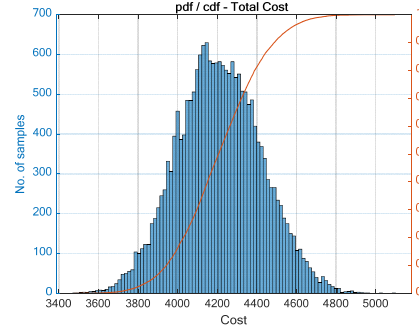
BAC **4180**

	Coste Total	Contingencia Coste
Sin Riesgo	4375,17	195,17
Con Riesgo	4632,865	452,865

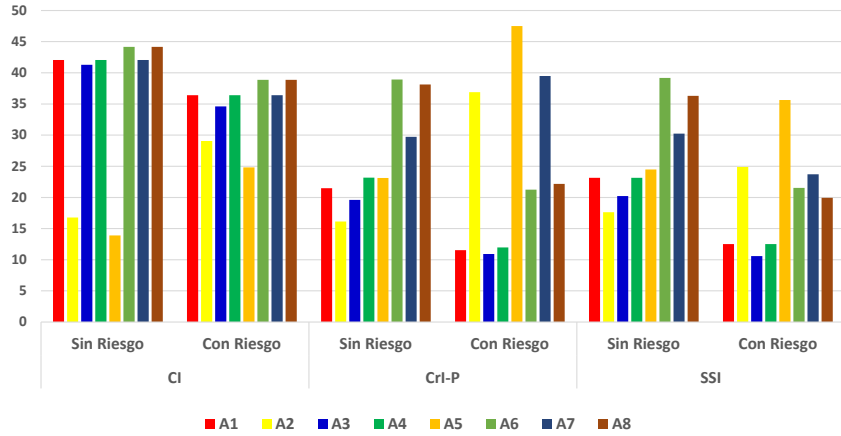
Gráfica

Sin Riesgo

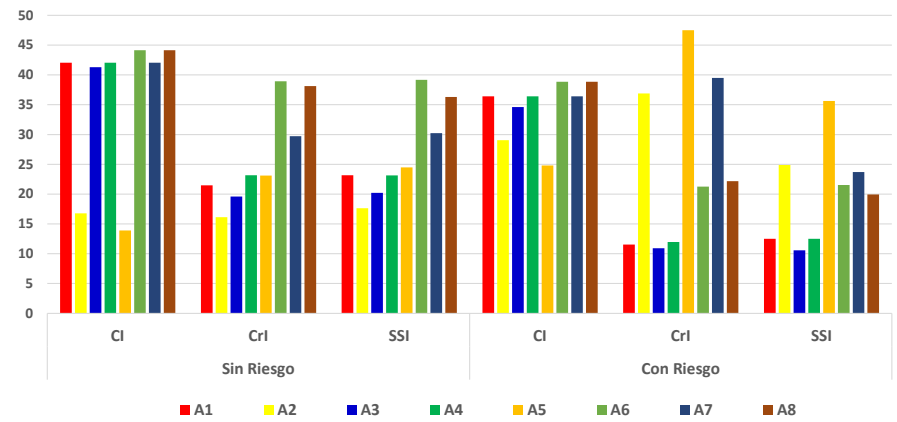
Con Riesgo



Actividad	A1	A2	A3	A4	A5	A6	A7	A8	
CI	Sin Riesgo	42,05	16,765	41,29	42,05	13,895	44,15	42,05	44,15
	Con Riesgo	36,42	29,06	34,61	36,42	24,81	38,87	36,42	38,87
CrI-P	Sin Riesgo	21,4667	16,1227	19,5954	23,1617	23,1161	38,9207	29,7244	38,1296
	Con Riesgo	11,53	36,89	10,92	11,98	47,50	21,25	39,49	22,18
SSI	Sin Riesgo	23,1589	17,6211	20,2221	23,1420	24,4936	39,1877	30,2389	36,3014
	Con Riesgo	12,51	24,90	10,57	12,50	35,62	21,52	23,71	19,93



Actividad	A1	A2	A3	A4	A5	A6	A7	A8	
Sin Riesgo	CI	42,05	16,765	41,29	42,05	13,895	44,15	42,05	44,15
	CrI	21,4667	16,1227	19,5954	23,1617	23,1161	38,9207	29,7244	38,1296
Con Riesgo	SSI	23,1589	17,6211	20,2221	23,1420	24,4936	39,1877	30,2389	36,3014
	CI	36,42	29,06	34,61	36,42	24,81	38,87	36,42	38,87
	CrI	11,53	36,89	10,92	11,98	47,50	21,25	39,49	22,18
	SSI	12,51	24,90	10,57	12,50	35,62	21,52	23,71	19,93



Actividad			Probabilidad	Imp Dur	Imp Cost
2	Ra	R1	B	M	
5	Rb	R2	M	M	M
7	Rc	R3	MB	A	
6	Rd	Rc2	A		B

PxI	Rank_Dur	Rank_Cost
0,06	2	
0,1	1	1
0,04	3	
0,07		2

Riesgos	P x I		QRP - P85	
	Rank_Dur	Rank_Cost	Rank_Dur	Rank_Cost
Ra	2	3	2	3
Rb	1	1	1	1
Rc	3	3	3	4
Rd	4	2	4	2

Probability	%						
Very High (VH)	40 - 100	0,90	0,05	0,09	0,18	0,36	0,72
High (H)	25 - 40	0,70	0,04	0,07	0,14	0,28	0,56
Medium (M)	8 - 25	0,50	0,03	0,05	0,10	0,20	0,40
Low (L)	2 - 8	0,30	0,02	0,03	0,06	0,12	0,24
Very Low (VL)	0 - 2	0,10	0,01	0,01	0,02	0,04	0,08
			0,05	0,1	0,2	0,4	0,8
Impact Duration (days)			0 - 0,5	0,5 - 1,5	1,5 - 3	3 - 6	> 6
			Very Low (VL)	Low (L)	Medium (M)	High (H)	Very High (VH)
Impact Cost (x1000 monetary units)			0 - 100	100 - 300	300 - 750	750 - 1300	> 1300
			Very Low (VL)	Low (L)	Medium (M)	High (H)	Very High (VH)

Riesgos	P x I		QRP	Diff Posición	P x I		QRP	Diff Posición
	Rank_Dur	Rank_Cost			Rank_Cost	Rank_Cost		
Ra	2	2	2	0	3	3	3	0
Rb	1	1	1	0	1	1	1	0
Rc	3	3	3	0	3	4	4	-1
Rd	4	4	4	0	2	2	2	0