

Performing Financial Projections









	Α	В	С	D	E	F	G	I
1	Discount rate	10%						
2								
3	PROJECT 1	YEAR 1	YEAR 2	YEAR 3	YEAR 4	YEAR 5	TOTAL	
4	Benefits	\$0	\$2,000	\$3,000	\$4,000	\$5,000	\$14,000	
5	Costs	\$5,000	\$1,000	\$1,000	\$1,000	\$1,000	\$9,000	
6	Cash flow	(\$5,000)	\$1,000	\$2,000	\$3,000	\$4,000	\$5,000	
7	NPV	\$2,316					•	
8		Formula	=npv(b1,b	6:f6)				N
9								Note that tota
10	PROJECT 2	YEAR 1	YEAR 2	YEAR 3	YEAR 4	YEAR 5	TOTAL	are equal, but
11	Benefits	\$1,000	\$2,000	\$4,000	\$4,000	\$4,000	\$15,000	hospuso of th
12	Costs	\$2,000	\$2,000	\$2,000	\$2,000	\$2,000	\$10,000	time value of
13	Cash flow	(\$1,000)	\$0	\$2,000	\$2,000	\$2,000	\$5,000	money
14	NPV	\$3,201						
15		Formula	=npv(b1,b	13:f13)				
16								
17								

3

Discount rate	10%					
PROJECT 1	1	2	3	4	5	TOTAL
Costs	\$5,000	\$1,000	\$1,000	\$1,000	\$1,000	\$9,000
Discount factor*	0.91	0.83	0.75	0.68	0.62	
Discounted costs	\$4,545	\$826	\$751	\$683	\$621	\$7,427
Benefits	\$0	\$2,000	\$3,000	\$4,000	\$5,000	\$14,000
Discount factor [*]	0.91	0.83	0.75	0.68	0.62	
Discounted benefits	0	\$1,653	\$2,254	\$2,732	\$3,105	\$9,743
Discounted benefits -	discounte	d costs, or	NPV —	I	•	\$2,316
"Note: The discount f	actors are	NOT round	ded to two	decimal p	laces.	
They are calculated u	ising the fo	ormula dise	count facto	or = 1/(1+di	scount rat	te)^year.
You can access this s	preadshee	t on the co	ompanion	Web site.		



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Return on Investment (ROI)

$$ROI = \frac{(Gains - Costs)}{Costs}$$











A Balanced Scorecard implementation

- Dr. Robert Kaplan and Dr. David Norton developed another approach to help select and manage projects that align with business strategy.
- A balanced scorecard is a methodology that converts an organization's value drivers—such as customer service, innovation, operational efficiency, and financial performance—to a series of defined metrics.
- Visit www.balancedscorecard.org for more information on using this approach to select projects.





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