HOW TO SPEND MONEY (CAPITAL BUDGETING TOOLS)

Payback Period

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PAYBACK PERIOD

How long it takes to earn back initial investment

Decision rule

Invest if payback less than X

PAYBACK PERIOD: EXAMPLE

Project		Payback			
	0	1	2	3	
X	-\$500	\$500	\$250	\$0	1
Y	-\$500	\$100	\$200	\$600	3
Z	-\$500	\$300	\$400	\$400	1.5

PAYBACK PERIOD

The good:

Time is money!

Reflects the opportunity cost

The bad:

Neglects cash after the payback

Neglects timing

Neglects risk

Arbitrary cut off

PAYBACK VS NPV

Project		Cash	Payback	NPV (10%)		
	0	1	2	3		
X	-\$500	\$500	\$250	\$0	1	\$161
Υ	-\$500	\$100	\$200	\$600	3	\$207
Z	-\$500	\$300	\$400	\$400	1.5	\$404

PAYBACK: WRAP-UP

▶ Often a weak capital budgeting tool

► Accept projects where Payback < X

► Measures time to recovery

► Arbitrary, no risk or timing, ad hoc