

Obtain forecast value corresponding to a percentile directly on the spreadsheet

The **CB.GetForePercent** is a Crystal Ball function that you can enter in your Excel spreadsheet. It returns the forecast value corresponding to a specified percentile. Instead of having to go to the Forecast Chart, you can now view the corresponding forecast value directly on the spreadsheet. This is especially useful if you are trying to compare multiple values for multiple forecasts.

CB.GetForePercent(Forecast reference, Percent)

Parameter	Description
Forecast Reference	Points to the forecast cell for which you want the percentile value.
Percent	Specifies the percentile for which you want the forecast value.

This function calculates the value of the specified forecast that corresponds to the specified percentile.

You must run a simulation before you call this function, otherwise it returns a 0. If the forecast value is not updated, click on the continue simulation button: .

Example:

	A	B	C	D	E	F	G	
1	DCF Analysis - AllergyGone							
2								
3		Year 0	Year 1	Year 2	Year 3	Year 4	Year 5	
4	Cost/Package		\$6.00	\$6.05	\$6.10	\$6.17	\$6.22	
5	# Sold		802,000	967,000	1,132,000	1,297,000	1,462,000	
6	Gross Revenues		\$4,812,000	\$5,850,350	\$6,905,200	\$7,998,167	\$9,088,767	
7								
8	Cost of Revenues		\$3,609,000	\$4,387,763	\$5,178,900	\$5,998,625	\$6,816,575	
9	Gross Income		\$1,203,000	\$1,462,588	\$1,726,300	\$1,999,542	\$2,272,192	
10								
11	Operating Costs		\$120,300	\$146,259	\$172,630	\$199,954	\$227,219	
12	Net Income Before Taxes		\$1,082,700	\$1,316,329	\$1,553,670	\$1,799,588	\$2,044,973	
13	Taxes		\$346,464	\$421,225	\$497,174	\$575,868	\$654,391	
14	Initial Investment		-\$3,400,000					
15	Net Income		-\$3,400,000	\$736,236	\$895,104	\$1,056,496	\$1,223,720	\$1,390,581
16								
17								
18			50th Percentile	75th Percentile	90th Percentile			
19	NPV	\$502,080	\$286,822	\$612,583	\$864,651			
20	IRR	15%	13%	16%	18%			
21								
22	Assumptions							
23	Taxes		32%					
24	Discount Rate		10%					
25	Cost of Revenues %		75%					
26	Operating Cost %		10%					
27								
28	Other Assumptions: Depreciation is equal to working capital interest, capital expenditures are negligible.							
29								

	50th Percentile	75th Percentile	90th Percentile
5	=CB.GetForePercent(B19,50)	=CB.GetForePercent(B19,75)	=CB.GetForePercent(B19,90)
6	=CB.GetForePercent(B20,50)	=CB.GetForePercent(B20,75)	=CB.GetForePercent(B20,90)

Crystal Ball can be found on the Hearne web site at www.hearne.com.au/products/crystalball/.

Training information is available online at www.hearne.com.au/training/.

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