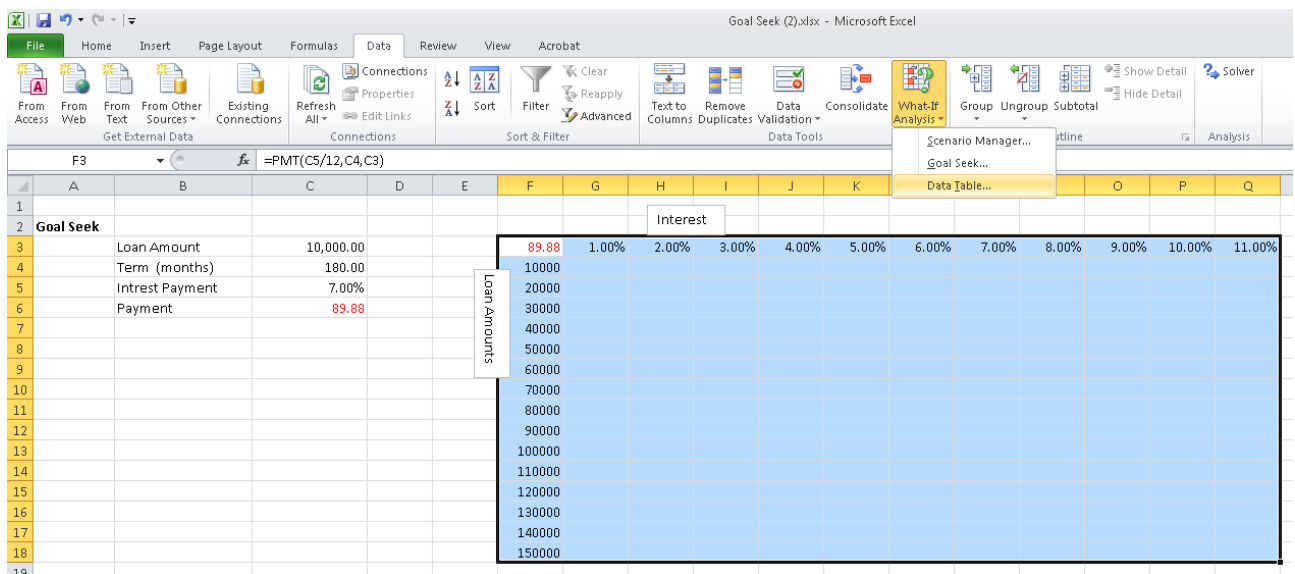# Using Data Tables

A Data Table in Excel 2010 lets you expand on a formula to show the different results for different values of one of the parts within the formula. This lets you easily compare the results of a formula for different input values without having to edit the formula over and over again.

1. Copy the cell containing formula to where you would like to create a data, e.g. payment =PMT(C4/12,C3,C2), to F2.
2. Create a table around that formula with the different inputs: Interest Rates along the top Row and Loan Amounts down the Column as shown below.
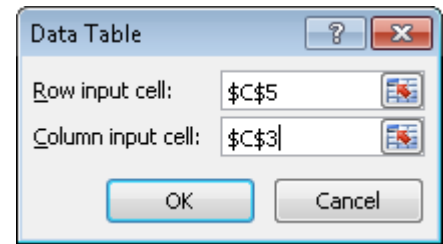

3. Select the table

4. Select **Data Table**…(located under What If Analysis within the **Data Tools** selection on the Data Ribbon).

5. In this example Interest is on the top row so the Row input cells will be C5 and the Loan Amount is down the column so the Column input cell is C3

6. Click OK. The data table will be created as shown with the inputs you created.

Data Table

Row input cell:	C5
Column input cell:	C3

OK   Cancel

F3 f_x =ABS(PMT(C5/12,C4,C3))

Formula Bar

	A	B	C		E	F	G	H	I	J	K	L	M	N	O	P	Q	R
1																		
2	**Goal Seek**							Interest										
3		Loan Amount	10,000.00			308.77	1.00%	2.00%	3.00%	4.00%	5.00%	6.00%	7.00%	8.00%	9.00%	10.00%	11.00%	
4		Term (months)	36.00			10000	282.081	286.4258	290.8121	295.2399	299.709	304.2194	308.771	313.3637	317.9973	322.6719	327.3872	
5		Intrest Payment	7.00%			20000	564.162	572.8516	581.6242	590.4797	599.4179	608.4387	617.5419	626.7273	635.9947	645.3437	654.7743	
6		Payment	308.77			30000	846.243	859.2774	872.4363	885.7196	899.1269	912.6581	926.3129	940.091	953.992	968.0156	982.1615	
7						40000	1128.324	1145.703	1163.248	1180.959	1198.836	1216.877	1235.084	1253.455	1271.989	1290.687	1309.549	
8						50000	1410.405	1432.129	1454.06	1476.199	1498.545	1521.097	1543.855	1566.818	1589.987	1613.359	1636.936	
9						60000	1692.486	1718.555	1744.873	1771.439	1798.254	1825.316	1852.626	1880.182	1907.984	1936.031	1964.323	
10						70000	1974.567	2004.981	2035.685	2066.679	2097.963	2129.536	2161.397	2193.546	2225.981	2258.703	2291.71	
11						80000	2256.648	2291.406	2326.497	2361.919	2397.672	2433.755	2470.168	2506.909	2543.979	2581.375	2619.097	
12						90000	2538.729	2577.832	2617.309	2657.159	2697.381	2737.974	2778.939	2820.273	2861.976	2904.047	2946.485	
13						100000	2820.81	2864.258	2908.121	2952.399	2997.09	3042.194	3087.71	3133.637	3179.973	3226.719	3273.872	
14						110000	3102.891	3150.684	3198.933	3247.638	3296.799	3346.413	3396.481	3447	3497.971	3549.391	3601.259	
15						120000	3384.972	3437.109	3489.745	3542.878	3596.508	3650.632	3705.252	3760.364	3815.968	3872.062	3928.646	
16						130000	3667.053	3723.535	3780.557	3838.118	3896.217	3954.852	4014.023	4073.728	4133.965	4194.734	4256.033	
17						140000	3949.134	4009.961	4071.369	4133.358	4195.926	4259.071	4322.794	4387.091	4451.963	4517.406	4583.42	
18						150000	4231.215	4296.387	4362.181	4428.598	4495.635	4563.291	4631.565	4700.455	4769.96	4840.078	4910.808	
19																		
20																		

Loan Amounts