eCornell

Using Prescriptive Analytics in Excel
Example Spreadsheets

Instructions:
Senior management wants you to identify the most effective way to assign three new contrac[...]
are given ratings for the contractors (based on a trial week survey rating. Each contactor ca[...]
will happen simulatneously. Your goal is to maximize skill level as you assign the work.

The solver model window has been cleared to allow practice building this job assignment wit[...]

Use the model and constraints on the following tab to build the solver and run it while watchi[...]

You do not need to submit this assignment; this is for your own use.

Name	Skill level by job type	
	Flooring	Windows
Contractor 1	90	91
Contractor 2	76	84
Contractor 3	88	90

Constraints		
Number Assigned (E3:G5)	bin	binary
Number of assignments (H3:	=	1
Total assignment (E6:G6)	=	1

Senior management wants you to identify the most effective way to assig
 (based on a trial week survey rating. Each contactor can be assigned o

	Client Assignment		
Lighting	Flooring	Windows	Lighting
81			
80			
91			
Total Assignment	0	0	0
Skills level	0	0	0

s job assignment model.

watching the video.

ɹn three new contracts to three positions: flooring, windows and lighting. Yo
ʌly one unique position, since all the work will happen simulatneously. Your
assign the work.

umber of assignment	Skills level
0	0
0	0
0	0
0	
	0

u are given ratings for the contractors
goal is to maximize skill level as you