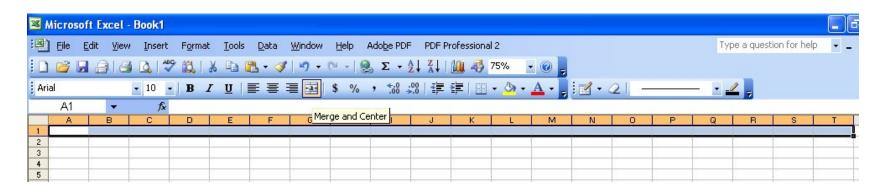
Customer Count Spreadsheet

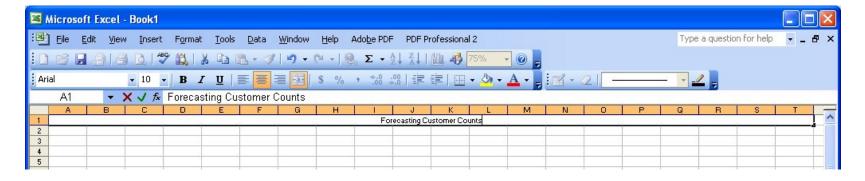
May 13, 2009

Why Do Customer Counts?

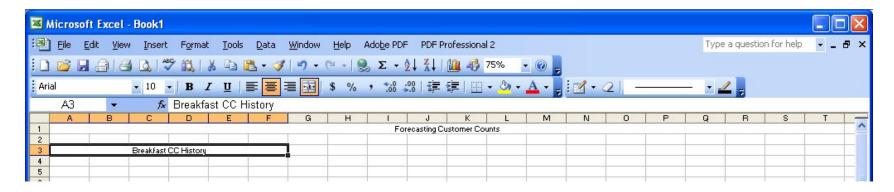
- Many forecasting spreadsheets require that we have the number of customers for breakfast, lunch, dinner or catering event.
- By using a spreadsheet, we can have the computer do the majority of the typing.
- We will use a Customer Count spreadsheet layout presented by Robert A. Ulm in chapter 5 of his textbook, How Much to Buy¹.

Merge and center A1 to T1, Type Forecasting Customer Counts

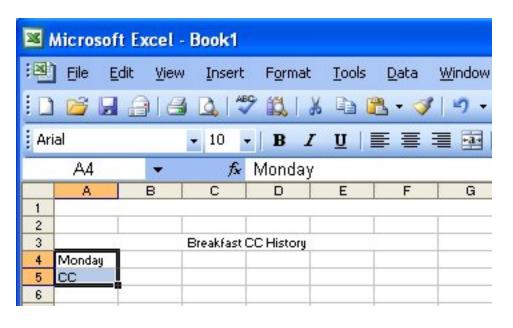




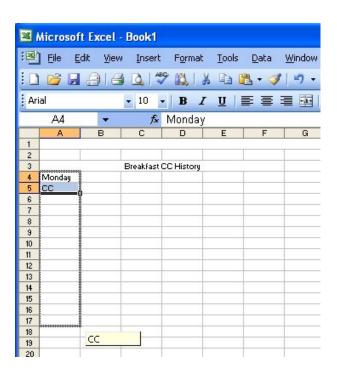
Merge and center A3 to F3, Type Breakfast CC History



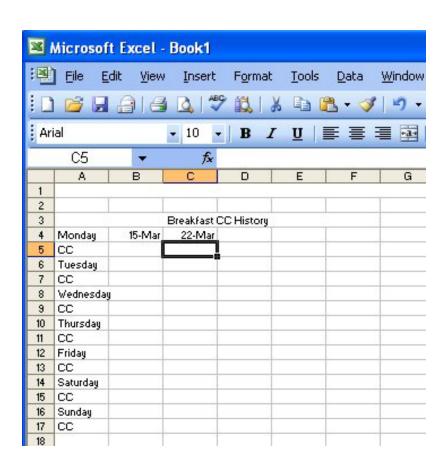
Type Monday in A4 Type CC in A5



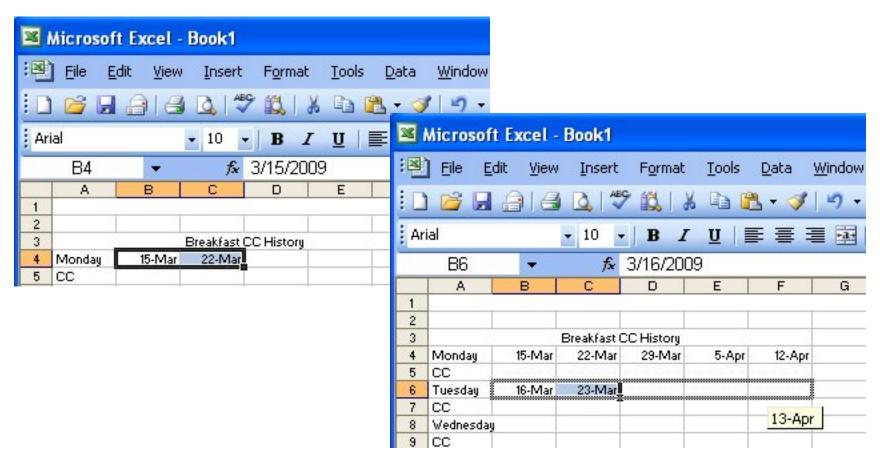
Highlight A4 and A5, Select the Fill Handle (black box) and pull down to row 17



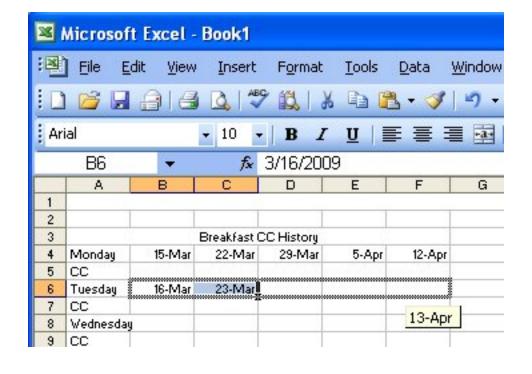
Type 3/15 in cell B4 Type 3/22 in cell C4



Highlight B4 and C4, Select the Fill Handle (black box) and pull across to column F

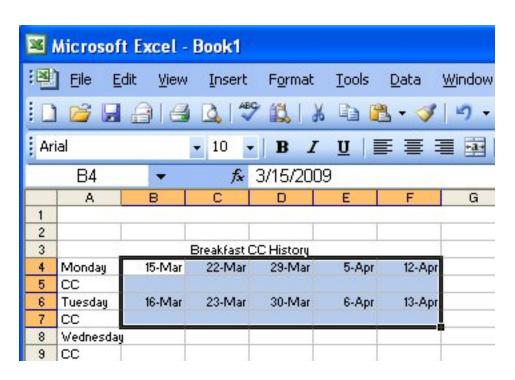


Type 3/16 in cell B6
Type 3/23 in cell C6

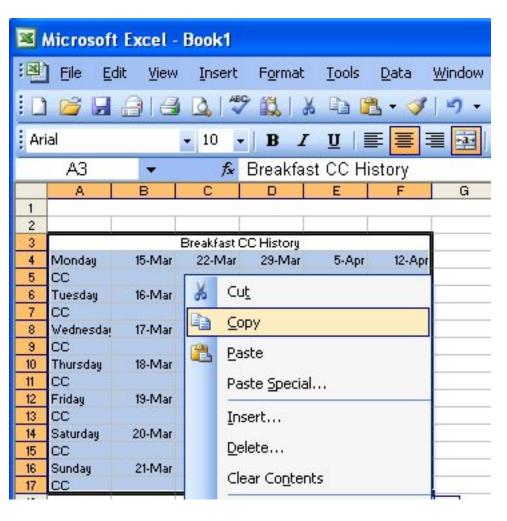


Highlight B6 and C6, Select the Fill Handle (black box) and pull across to column F

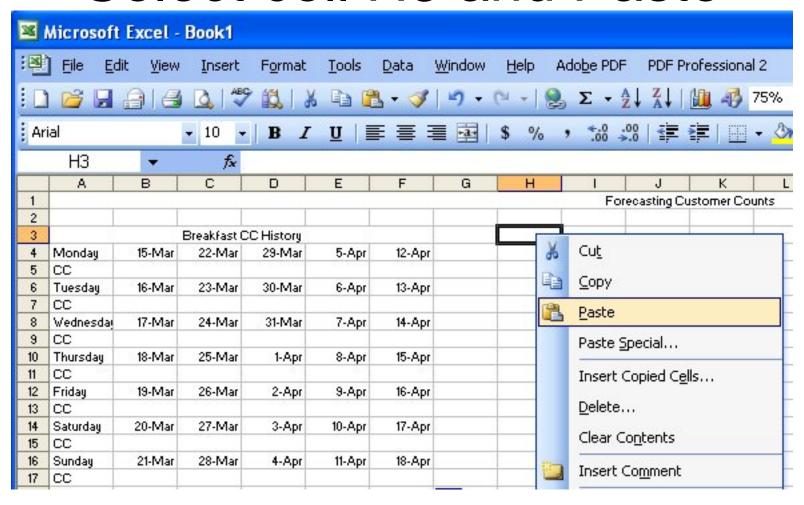
Highlight B4 to F7, Select the Fill Handle (black box) and pull down to row 17



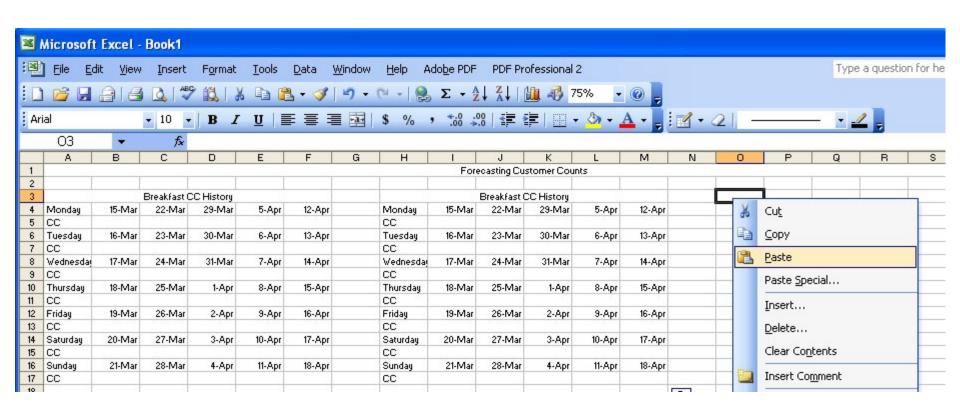
Highlight A3 to F17, right click on the blue area and select copy



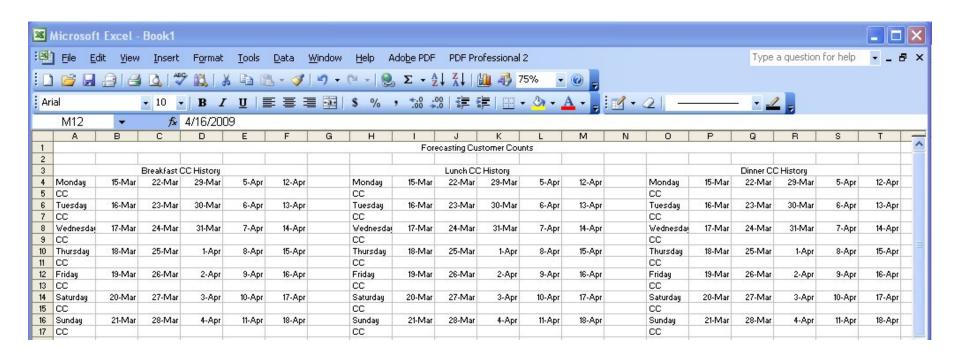
Select cell H3 and Paste



Select O3 and Paste



Change Breakfast to Lunch Change Breakfast to Dinner



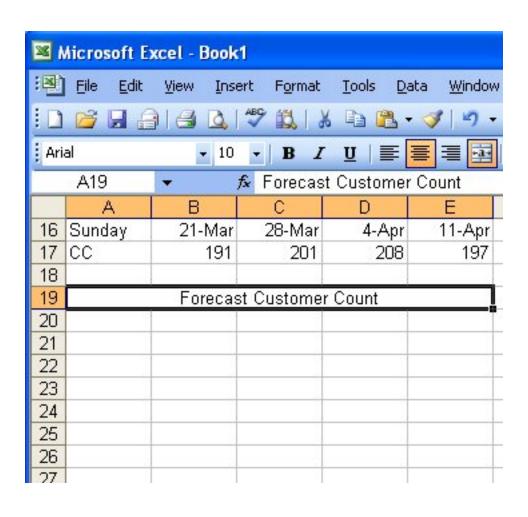
Type in customer counts under

		Breakf	ast		
	Week 1	Week 2	Week 3	Week 4	Week 5
Monday	115	125	117	121	97
Tuesday	122	132	142	151	110
Wednesday	131	141	154	157	115
Thursday	160	154	178	140	120
Friday	180	214	174	135	141
Saturday	91	75	87	86	84
Sunday	191	201	208	197	204

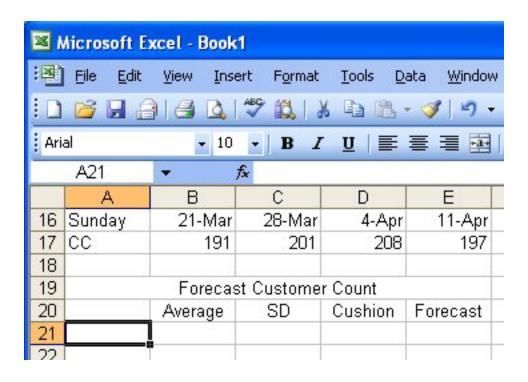
		Lunc	h		
	Week 1	Week 2	Week 3	Week 4	Week 5
Monday	135	142	157	168	178
Tuesday	142	154	126	137	145
Wednesday	17 þ	201	204	208	215
Thursday	224	231	209	219	225
Friday	245	215	264	287	254
Saturday	195	187	156	181	201
Sunday	201	225	231	218	103

		Dinn	er		
	Week 1	Week 2	Week 3	Week 4	Week 5
Monday	303	305	287	295	307
Tuesday	312	315	294	308	315
Wednesday	320	334	305	309	324
Thursday	331	345	329	301	319
Friday	350	361	305	375	354
Saturday	295	287	301	315	327
Sunday	200	215	199	204	209

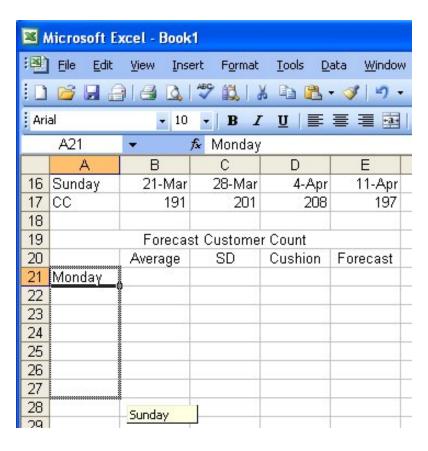
Merge and center A19 to E19, Type Forecasted Customer Count



Type Average in cell B20 Type SD in cell C20 Type Cushion in cell D20 Type Forecast in cell E20



Type Monday in cell A21 Highlight A21, Select the Fill Handle (black box) and pull down to row 27



In cell B21, type =Average (B5:F5) or =Average (select B5 through F5 with the mouse and Enter.

	Α	В	С	D	E	F
4	Monday	15-Mar	22-Mar	29-Mar	5-Apr	12-Apr
5	cc	115	125	117	121	97)
6	Tuesday	16-Mar	23-Mar	30-Mar	6-Apr	13-Apr
7	CC	122	132	142	151	110
8	Wednesday	17-Mar	24-Mar	31-Mar	7-Apr	14-Apr
9	cc	131	141	154	157	115
10	Thursday	18-Mar	25-Mar	1-Apr	8-Apr	15-Apr
11	CC	160	154	178 2-Apr 174	140	120
12	Friday	19-Mar	26-Mar		9-Apr	16-Apr
13	CC	180 20-Mar	214 27-Mar		135	141
14	Saturday			3-Apr	10-Apr	17-Apr
15	CC	91	75	87	86	84
16	Sunday	21-Mar	28-Mar	4-Apr	11-Apr	18-Apr
17	CC	191	201	208	197	204
18						
19		Forecast	Customer	Count		
20		Average	erage SD		Forecast	
21	Monday	=average(B5	5:F5			
22	Tuesday	AVERAGE(n	umber1, [number2],)	

Repeat for Tuesday through Sunday

18										
19		Forecast Customer Count								
20		Average	SD	Cushion	Forecast					
21	Monday	115								
22	Tuesday	131.4								
23	Wednesday	139.6								
24	Thursday	150.4		9						
25	Friday	168.8								
26	Saturday	84.6								
27	Sunday	200.2								
28	2. 2. 3									
00										

In cell C21, type =StDevP (B5:F5) or = StDevP (select B5 through F5 with the mouse and Enter.

	INDIRECT	XVTx	=stdevp(B5	:15		
	Α	В	С	D	Е	F
4	Monday	15-Mar	22-Mar	29-Mar	5-Apr	12-Apr
5	cc	115	125	117	121	97
6	Tuesday	16-Mar	23-Mar	30-Mar	6-Apr	13-Apr
7	cc	122	132	142	151	110
8	Wednesday	17-Mar	24-Mar	31-Mar	7-Apr	14-Apr
9	cc	131	141	154	157	115
10	Thursday	18-Mar	25-Mar	1-Apr	8-Apr	15-Apr
11	cc	160	154	178	140	120
12	Friday	19-Mar	26-Mar	2-Apr	9-Apr	16-Apr
13	cc	180	214	174	135	141
14	Saturday	20-Mar	27-Mar	3-Apr	10-Apr	17-Apr
15	cc	91	75	87	86	84
16	Sunday	21-Mar	28-Mar	4-Apr	11-Apr	18-Apr
17	CC	191	201	208	197	204
18						
19		Forecast	Customer	Count		
20		Average	SD	Cushion	Forecast	
21	Monday		=stdevp(B5	:F5		
22	Tuesday	131.4	STDEVP(n	umber1, [nu	ımber2],)	
23	Wednesday	139.6				
24	Thursday	150.4				
25	Friday	168.8				
26	Saturday	84.6				
27	Sunday	200.2				

Repeat for Tuesday through Sunday

10										
19	Forecast Customer Count									
20	A	Average	SD	Cushion	Forecast					
21	Monday	115.0	9.6							
22	Tuesday	131.4	14.4							
23	Wednesday	139.6	15.4							
24	Thursday	150.4	19.5							
25	Friday	168.8	28.7							
26	Saturday	84.6	5.3							
27	Sunday	200.2	5.8		27					
28	2.00	9	30							

In cell D21, type =C21/2 and Enter

10					
19		Forecast (Customer (Count	
20		Average	SD	Cushion	Forecast
21	Monday	115.0	9.6	=c21/2	
22	Tuesday	131.4	14.4		
23	Wednesday	139.6	15.4		
24	Thursday	150.4	19.5		
25	Friday	168.8	28.7		
26	Saturday	84.6	5.3		
27	Sunday	200.2	5.8		
28					

Highlight D21, Select the Fill Handle (black box) and pull down to row 27

17	CC	191	201	208	197	204
18						
19		Forecast (Customer (Count		
20		Average	SD	Cushion	Forecast	
21	Monday	115.0	9.6	4.8		
22	Tuesday	131.4	14.4			
23	Wednesday	139.6	15.4			
24	Thursday	150.4	19.5			
25	Friday	168.8	28.7			
26	Saturday	84.6	5.3			
27	Sunday	200.2	5.8			
28		100				
29						

In cell E21, type =B21+D21 and Enter

10												
19		Forecast Customer Count										
20		Average	SD	Cushion	Forecast							
21	Monday	115.0	9.6	4.8	=B21+D21							
22	Tuesday	131.4	14.4	7.2								
23	Wednesday	139.6	15.4	7.7								
24	Thursday	150.4	19.5	9.7								
25	Friday	168.8	28.7	14.3								
26	Saturday	84.6	5.3	2.7								
27	Sunday	200.2	5.8	2.9								
28	A 25 9			9								

Highlight E21, Select the Fill Handle (black box) and pull down to row 27

10						
19		Forecast (Customer (Count	D	ľ
20		Average	SD	Cushion	Forecast	
21	Monday	115.0	9.6	4.8	119.8	Ĩ
22	Tuesday	131.4	14.4	7.2	138.6	Ĵ.
23	Wednesday	139.6	15.4	7.7	147.3	1
24	Thursday	150.4	19.5	9.7	160.1	
25	Friday	168.8	28.7	14.3	183.1	
26	Saturday	84.6	5.3	2.7	87.3	<i>b</i>
27	Sunday	200.2	5.8	2.9	203.1	
28	20 3		Ţ,			
20			7		Ÿ	

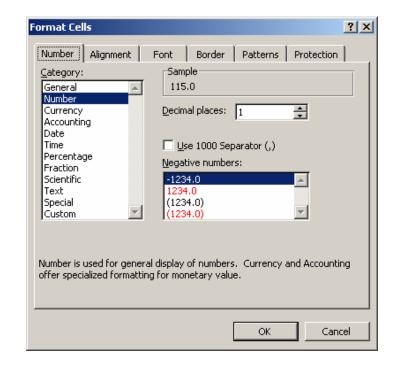
Highlight B21 through F27, right click on the blue area and select Format Cell.

Format Cell.

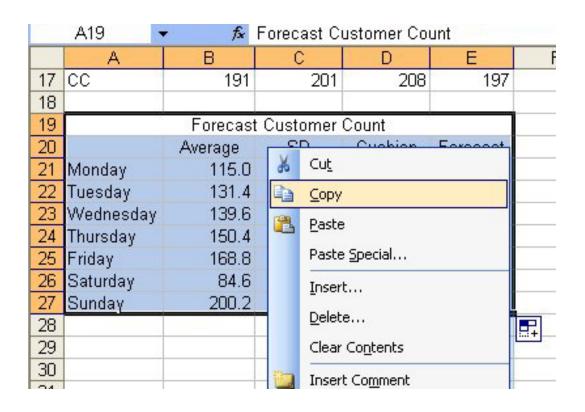
Forecast Customer Count 15.0 9.8 4.8 119.8

21 9.6 4.8 119.8 Mondau 115.0 Tuesdau 131.4 14.4 138.6 Wednesdau 139.6 15.4 7.7 147.3 Thursday 150.4 Friday 168.8 28.7 14.3 183. Saturday 84.6 5.3 2.7 87.3 Sunday 200.2 203.1

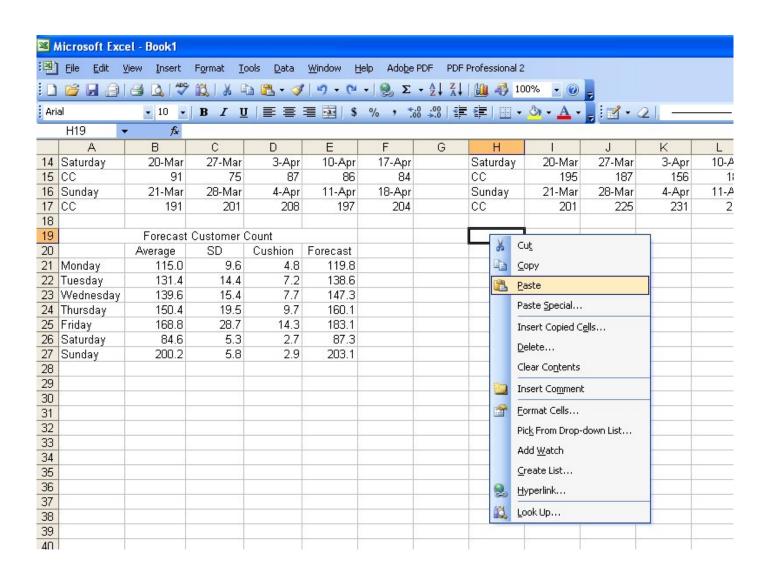
Select Number form the list on the Number Tab, reduce decimal places to 1



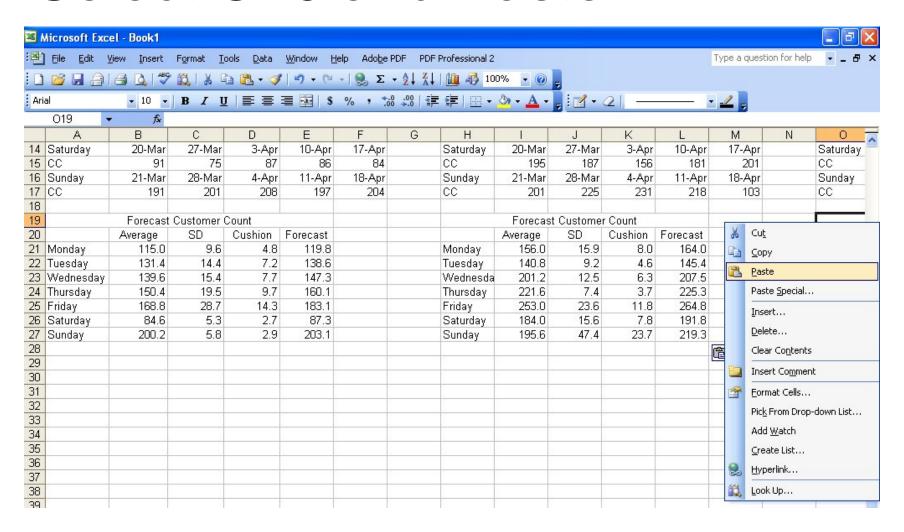
Highlight A19 to E27, right click on the blue area and select copy



Select cell H19 and Paste



Select O19 and Paste



Finished Worksheet

2								Foreca	sting Custo	omer Count	S							
3		В	reakfast CIC	History					Lunch CC	History			Dinner CC History					
4	Monday	15-Mar	22-Mar	29-Mar	5-Apr	12-Apr	Monday	15-Mar	22-Mar	29-Mar	5-Apr	12-Apr	Monday	15-Mar	22-Mar	29-Mar	5-Apr	12-Apr
5	cc	115	125	117	121	97	cc	135	142	157	168	178	cc	303	305	287	295	307
6	Tuesday	16-Mar	23-Mar	30-Mar	6-Apr	13-Apr	Tuesday	16-Mar	23-Mar	30-Mar	6-Apr	13-Apr	Tuesday	16-Mar	23-Mar	30-Mar	6-Apr	13-Apr
7	cc	122	132	142	151	110	cc	142	154	126	137	145	CC	312	315	294	308	315
8	Wednesday	17-Mar	24-Mar	31-Mar	7-Apr	14-Apr	Wednesday	17-Mar	24-Mar	31-Mar	7-Apr	14-Apr	Wednesday	17-Mar	24-Mar	31-Mar	7-Apr	14-Apr
9	cc	131	141	154	157	115	cc	178	201	204	208	215	CC	320	334	305	309	324
10	Thursday	18-Mar	25-Mar	1-Apr	8-Apr	15-Apr	Thursday	18-Mar	25-Mar	1-Apr	8-Apr	15-Apr	Thursday	18-Mar	25-Mar	1-Apr	8-Apr	15-Apr
11	cc	160	154	178	140	120	cc	224	231	209	219	225	cc	331	345	329	301	319
12	Friday	19-Mar	26-Mar	2-Apr	9-Apr	16-Apr	Friday	19-Mar	26-Mar	2-Apr	9-Apr	16-Apr	Friday	19-Mar	26-Mar	2-Apr	9-Apr	16-Ap
13	cc	180	214	174	135	141	CC	245	215	264	287	254	CC	350	361	305	375	354
14	Saturday	20-Mar	27-Mar	3-Apr	10-Apr	17-Apr	Saturday	20-Mar	27-Mar	3-Apr	10-Apr	17-Apr	Saturday	20-Mar	27-Mar	3-Apr	10-Apr	17-Ap
15	cc	91	75	87	86	84	cc	195	187	156	181	201	cc	295	287	301	315	32
16	Sunday	21-Mar	28-Mar	4-Apr	11-Apr	18-Apr	Sunday	21-Mar	28-Mar	4-Apr	11-Apr	18-Apr	Sunday	21-Mar	28-Mar	4-Apr	11-Apr	18-Ap
17	cc	191	201	208	197	204	CC	201	225	231	218	103	CC	200	215	199	204	209
18									1									
19		Forecast	Customer C	Count				Forecast Customer Count					Forecast Customer Count					
20		Average	SD	Cushion	Forecast			Average	SD	Cushion	Forecast			Average	SD	Cushion	Forecast	
21	Monday	115.0	9.6	4.8	119.8		Monday	156.0	15.9	8.0	164.0		Monday	299.4	7.4	3.7	303.1	
22	Tuesday	131.4	14.4	7.2	138.6		Tuesday	140.8	9.2	4.6	145.4		Tuesday	308.8	7.8	3.9	312.7	
23	Wednesday	139.6	15.4	7.7	147.3		Wednesday	201.2	12.5	6.3	207.5		Wednesday	318.4	10.4	5.2	323.6	
24	Thursday	150.4	19.5	9.7	160.1		Thursday	221.6	7.4	3.7	225.3		Thursday	325.0	14.6	7.3	332.3	
25	Friday	168.8	28.7	14.3	183.1		Friday	253.0	23.6	11.8	264.8		Friday	349.0	23.6	11.8	360.8	
26	Saturday	84.6	5.3	2.7	87.3		Saturday	184.0	15.6	7.8	191.8		Saturday	305.0	14.3	7.2	312.2	
27	Sunday	200.2	5.8	2.9	203.1		Sunday	195.6	47.4	23.7	219.3		Sunday	205.4	6.0	3.0	208.4	
28		V-5 / A.A.	400,000		2		1	30.50340.00	2020	20,720	2,1-2,500		1 -53-55-55-55					
29		8 18																
30																		

- Save the spreadsheet as Customer Count 1
- Make a second Customer Count Spreadsheet from data on Customer Count 2 handout

Bibliography

¹ Ulm, Robert A. <u>How Much to Buy.</u> New York: Macmillan Publishing Company 1994