Monmouth COLLEGE

- Name: _____
- Date: _____
- Section: _____

BUSI 201: Business Data Analysis

Quiz #6: PivotTables

Fall 2024

INSTRUCTIONS:

- Once you are finished, save/rename the workbook to `LoginID-quiz6.xlsx`, and submit your results via email to `BPARK@monmouthcollege.edu`.
- `BUSI201-F2024-Q06-Workbook.xlsx` is the companion workbook for this quiz.
- The quiz booklet contains 5 problems, each corrsponding to the 5 worksheets: `Quiz6-Sheet1`, `Quiz6-Sheet2`, `Quiz6-Sheet3`, `Quiz6-Sheet4` and `Quiz6-Sheet5`
- Do not create new worksheets when inserting PivotTables or PivotCharts.
- Double-check your submission email for your attached file, file name, and receiver's email address, as you will not be permitted to submit or update your solutions past the in-class deadline.

This page is intentionally left blank

Problem #1. Basic PivotTables

Navigate to worksheet `Quiz6-Sheet1`. Without editing the original data provided to you in the worksheet, insert and edit a PivotTable that matches the following figure exactly.

Average of Selling Price	Column Labels				
Row Labels	**Apartment**	**Condo**	**House**	**Townhouse**	**Grand Total**
Chicago	$ 517,585.99	$ 759,875.41	$ 992,388.79	$ 812,688.48	$ 781,438.60
Houston	$ 762,114.86	$ 775,432.33	$ 716,517.08	$ 836,322.86	$ 779,776.40
Los Angeles	$ 1,205,163.22	$ 930,592.62	$ 647,705.27	$ 875,816.88	$ 864,691.70
New York	$ 791,069.51	$ 863,149.98	$ 714,053.05	$ 909,358.27	$ 830,225.30
Phoenix	$ 856,616.68	$ 667,480.35	$ 755,696.46	$ 475,377.15	$ 660,216.69
San Diego	$ 1,045,090.56	$ 728,524.50	$ 545,518.30	$ 757,885.16	$ 796,136.18
Grand Total	**$ 843,555.64**	**$ 779,267.95**	**$ 735,703.29**	**$ 800,331.91**	**$ 789,721.52**

Problem #2. PivotTables and Design Elements

Navigate to worksheet `Quiz6-Sheet2`. Without editing the original data provided to you in the worksheet, insert and edit a PivotTable that matches the following figure. Note that some rows in the PivotTables have been cropped for the figure to fit the page.

Agent	City	Sum of Selling Price	Count of Property ID
Agent A	Chicago	$ 12,797,037.57	15
	Houston	$ 6,529,885.81	7
	Los Angeles	$ 3,641,123.21	5
	New York	$ 9,796,295.67	10
	Phoenix	$ 1,433,468.32	3
	San Diego	$ 5,076,518.88	6
Agent A Total		**$ 39,274,329.46**	**46**
Agent B	Chicago	$ 4,398,128.01	6
	Houston	$ 3,561,439.28	7
	Los Angeles	$ 7,772,567.02	9
	New York	$ 8,205,244.92	10
	Phoenix	$ 6,746,180.58	8
	San Diego	$ 7,982,570.18	9
Agent B Total		**$ 38,666,129.99**	**49**
Agent C	Chicago	$ 7,303,924.48	8

The following are some design elements that you should consider when replicating the PivotTable.

- Report Layout
- Subtotals
- Blank Rows

Problem #3. Calculated Fields

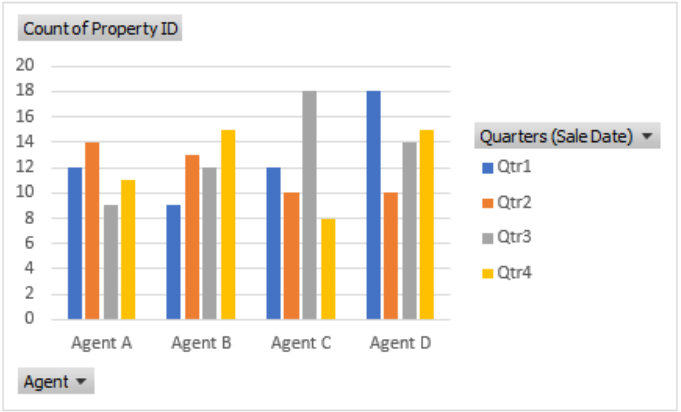
Navigate to worksheet `Quiz6-Sheet3`. **Without editing the original data provided to you** in the worksheet, insert and edit a PivotTable that matches the following figure. `Price Difference` is defined as `Listing Price - Selling Price`.

Average of Price Difference	Column Labels				
Row Labels	**Apartment**	**Condo**	**House**	**Townhouse**	**Grand Total**
Chicago	$ 7,067.07	$ (158,276.10)	$ (250,089.30)	$ 212,026.21	$ (189,272.12)
Houston	$ 186,177.49	$ 36,793.37	$ 3,523.38	$ (67,688.17)	$ 158,806.07
Los Angeles	$ (114,911.87)	$ 15,114.88	$ 105,237.88	$ 119,266.48	$ 124,707.37
New York	$ (86,079.07)	$ (406,958.76)	$ (916.47)	$ (290,173.73)	$ (784,128.03)
Phoenix	$ 129,140.95	$ (10,426.74)	$ (76,396.22)	$ (31,560.08)	$ 10,757.91
San Diego	$ (114,542.15)	$ (257,155.95)	$ (94,570.81)	$ (90,047.64)	$ (556,316.55)
Grand Total	**$ 6,852.42**	**$ (780,909.30)**	**$ (313,211.54)**	**$ (148,176.93)**	**$ (1,235,445.35)**

Problem #4. Grouping and PivotCharts

Navigate to worksheet `Quiz6-Sheet4`. Without editing the original data provided to you in the worksheet, insert and edit a PivotChart that matches the following figure. You do not need to edit the formats for the PivotChart.

Count of Property ID	Column Labels				
Row Labels	**Qtr1**	**Qtr2**	**Qtr3**	**Qtr4**	**Grand Total**
Agent A	12	14	9	11	46
Agent B	9	13	12	15	49
Agent C	12	10	18	8	48
Agent D	18	10	14	15	57
Grand Total	**51**	**47**	**53**	**49**	**200**

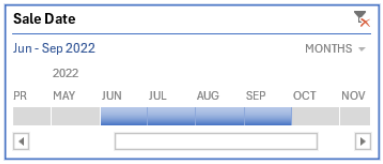


Problem #5. Timelines and Connections

Navigate to worksheet `Quiz6-Sheet5`. Without editing the original data provided to you in the worksheet, insert two PivotTable that matches the following figure, and add a Timeline so that the PivotTables are constructed using data on sales closed between June 2022 and September 2022 as shown in the Timeline. The Timeline **MUST** be connected to both PivotTables.

Count of Property ID	Column Labels				
Row Labels	Agent A	Agent B	Agent C	Agent D	Grand Total
Chicago	7	3	4	3	17
Houston	1	2	4	8	15
Los Angeles	1	2	1	3	7
New York	5	2	4	3	14
Phoenix		2	3	1	6
San Diego	2	6	7	1	16
Grand Total	**16**	**17**	**23**	**19**	**75**

Count of Property ID	Column Labels				
Row Labels	Apartment	Condo	House	Townhouse	Grand Total
Chicago	5	7	2	3	17
Houston	3	4	2	6	15
Los Angeles	1	3	2	1	7
New York	6	4	1	3	14
Phoenix	1	1	3	1	6
San Diego	4	6	3	3	16
Grand Total	**20**	**25**	**13**	**17**	**75**



- Original Score: _____
- Recovered Score: _____
- Original Date: _____
- Recovered Date: _____