

Information Technology

2020/2021



Working With Dynamic Tables

ISEG Information Technology Team

TI2020/21_Excel_1



- Allow
 - Aggregate data and make it available in dynamic tables
 - Sort, count, add or compute averages or other functions on data stored in a table
 - Analyse the data in two dimensions (cross-table)
- Create a second table (pivot-table) to provide summarized data

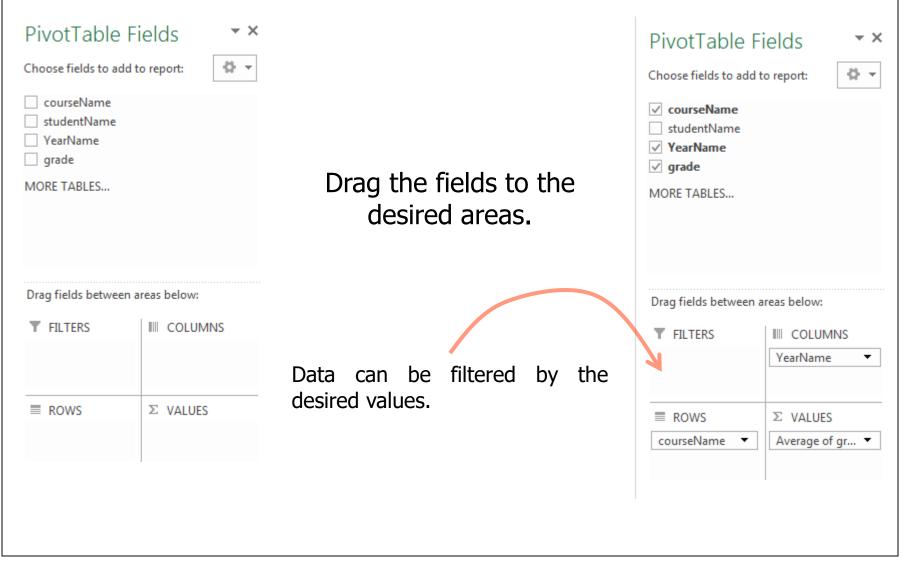
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F	ILE HOME INSERT	P	AGE LAYOUT FC	RMULAS	DATA	REVI
PivotTable Recommended Table PivotTables				hapes * martArt creenshot *	Apps for Office *	Reco
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P	ivotTable		fx			
	Easily arrange and summarize complex data in a PivotTable.		B C		D	
F	YI: You can double-click a valu	ntName 🔤	YearName	e 💌 grade	-	
	ee which detailed values make		nce Martin	2013/14		10
tł	ne summarized total.	nce Martin	2013/14		11	
6	? Tell me more		nce Martin	2013/14		19
L,			nce Martin	2013/14		9
6	Econometry 2	Terre	ence Martin	2013/14		15
7	Computer Programming	Terre	ence Martin	2013/14		7
8	Information Technology	Denr	nis Horton	2013/14		13
	Mathematics Denr			2013/14		

Create *pivot-table* PivotTable Fields **▼** X **PivotTable Fields -** X - - -Choose fields to add to report: Choose fields to add to report: ÷ ÷ courseName ✓ courseName studentName studentName YearName ✓ YearName grade ✓ grade Drag the fields to the MORE TABLES... MORE TABLES... desired areas. Drag fields between areas below: Drag fields between areas below: **T** FILTERS COLUMNS **T** FILTERS COLUMNS YearName ROWS Σ VALUES ROWS 2 VALUES Clicking here and choosing Average of gr... courseName Ŧ "Value Field Settings", you can choose the aggregation function (eg "average") and formatting of values

Final Result

Average of grade	Column Labels 💌				
Row Labels 🔤	2010/11	2011/12	2012/13	2013/14	Grand Total
Computer Programming	14,5	15,1	15,8	13,6	14,6
Econometry 1	12,5	15,9	14,7	11,1	13,3
Econometry 2	12,1	12,9	8,5	12,9	11,9
Information Technology	14,8	13,9	12,7	12,3	13,5
Mathematics	13,4	13,1	11,8	11,1	12,4
Statistics	13,6	13,2	11,5	15,6	13,7
Grand Total	13,5	14,0	12,5	12,8	13,3

Create filters



Contributors

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 - Luis Vaz Henriques (2012)