

DATA ANALYTICS WITH R, EXCEL AND TABLAEU

ASSIGNMENT Excel Analytics 30.1

ANSWERS

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4. Associated Data Files

Use “Data.xlsx”

5. Problem Statement

- Using the excel spreadsheet “Data.xlsx”, create a series of Pivot Tables (or Pivot Charts) to answer the following questions.

- What are the averages for purchases in each region?

Ans

	region	Average of purchases
	east	\$42.31
	north	\$32.48
	south	\$42.94
	west	\$38.08

- What form of payment is most common?

Ans most common form of payment is by **credit**.

- Do our customers shop at work (most likely between 8:00 and 17:00) or at home?

Ans =IF(AND(HOUR(G2)>=7,HOUR(G2)<=18),"Work","Home")

Customer shop at **work**.

Note: To answer number 3, a new column is created in the spreadsheet labeled "Hour of Day" and set it to just the hour instead of hour and minutes. In other words =hour(G8). The students who are excel power users should use an "if" formula to create a value of either day (time between 8:00 and 17:00) or night (not between 8:00 and 17:00)