



# Essential Math for Data Analysis Using Excel Online

## Challenge Lab 2

### Description

Learners will be given a data set looking at the revenue from a popular gaming device over several quarters. They will be asked what KPIs they can calculate from this data (they will have to think!) and will then calculate it.

### Data set

ChLab2.csv

### Overview

In your job as a financial analyst at a chain of electronics stores, you're given a set of raw data showing the company's revenue per quarter over a four-year span. Your boss wants you to work your data analysis magic and come up with some relevant Key Performance Indicators for this revenue data. In this challenge lab, you won't be provided with the same step-by-step instructions as the previous labs (that's where the "challenge" part comes in). Good luck!

### What You'll Need

To complete the lab, you will need the online version of Microsoft Excel.

### Exercise 1: KPI Challenge

Open the data set in Excel. Here's a snapshot:

	A	B	C
1		period	revenue
2		1 Q1	2492.288
3		2 Q2	2528.221
4		3 Q3	2536.813
5		4 Q4	2398.14
6		5 Q1	2344.471
7		6 Q2	2420.559
8		7 Q3	2348.649
9		8 Q4	2538.637
10		9 Q1	2422.401
11		10 Q2	2497.792
12		11 Q3	2640.292
13		12 Q4	2564.876
14		13 Q1	2461.241
15		14 Q2	2615.666
16		15 Q3	2480.157
17		16 Q4	2697.929

Use these data to answer the following questions:

1. Which KPIs that we've learned in previous modules can be calculated using only this data set? Include at least two different KPIs.
2. Use the data to calculate these KPIs.

You'll be asked to answer these questions and others in the "Lab Check" quiz following this lab.