# Creative Coding 2

# Lab Portfolio 1

**Part (a):**

Please complete Questions 1 – 5 from ‘creative coding 2 (intro to creating charts and graphs in Excel)**.**

**Part (b):**

**Question 1:**

Table 1 below shows average gross yearly earnings (in €1000’s) of managerial staff taken from the digital media and pharmaceutical sectors over a 6 year period as follows:

Table 1

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Managerial Earnings** |  |  |  |  |  |  |
| **Sector** | **2007** | **2008** | **2009** | **2010** | **2011** | **2012** |
| Digital Media | 72 | 81 | 94 | 83 | 77 | 79 |
| Pharmaceutical | 150 | 148 | 110 | 96 | 82 | 88 |

Create ***2*** stackedcolumn charts based on **Table 1** – the 1st chart should display the years along the horizontal axis, and the 2nd chart should display the sectors along the horizontal axis.

**Question 2:**

Table 2 shows average gross yearly earnings (in €1000’s) of administrative staff taken from the same two sectors over the same 6 year period:

Table 2

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Administration Earnings** |  |  |  |  |  |  |
| **Sector** | **2007** | **2008** | **2009** | **2010** | **2011** | **2012** |
| Digital Media | 45 | 51 | 65 | 59 | 51 | 47 |
| Pharmaceutical | 59 | 67 | 67 | 63 | 55 | 56 |

1. Create one clustered and one stacked column chart comparing the managerial and administrative salaries in the pharmaceutical sector across the given 6 year period.
2. Examine Figure 1- a line chart based on **Table 2**. What is wrong with this chart? Use a text box to record the errors (there are at least 5 errors).

**NOTE**: You do not have to re-create this chart in Excel for part (b) – just record the errors.

Figure 1