

□ WIT

BSc in Forestry & BSc in Horticulture Excel Exam 2022

Year 1: Semester 1

Examiners: Caroline Cahill

Instructions to Candidates

Answer *all* parts

38% Formatting:

1. Merge and Centre the text in the heading "Employment and Unemployment (ILO) '000s".
Allow text wrapping in row 2. Add a fill colour and bold the text in these two title rows. (6%)
2. Freeze the panes so that when you scroll down the page, all the titles will remain always visible i.e. the top titles shouldn't scroll (6%)
3. Delete the following four records for: "**Transportation and storage**", "**Information and communication**", "**Administrative and support service activities**" and "**Public administration and defence; compulsory social security**". (5%)
Next delete the entire column for "Apr - Jun 09" (4%)
Ensure all text is visible (check the sizing of the cells) (4%)
4. Add a new sheet 2 to be named "trigonometry" and add in the following content -
formatting as shown here:

| | x | x² | x³ |
|-------------------|----------|----------------------|----------------------|
| Enter your value: | | | |
| | | | |

(6%)

5. For any x value that the user enters, you are to create the appropriate formulae that will return the value squared and the value cubed i.e.

| | x | x² | x³ |
|-------------------|----------|----------------------|----------------------|
| Enter your value: | 2 | 4 | 8 |
| | | | |

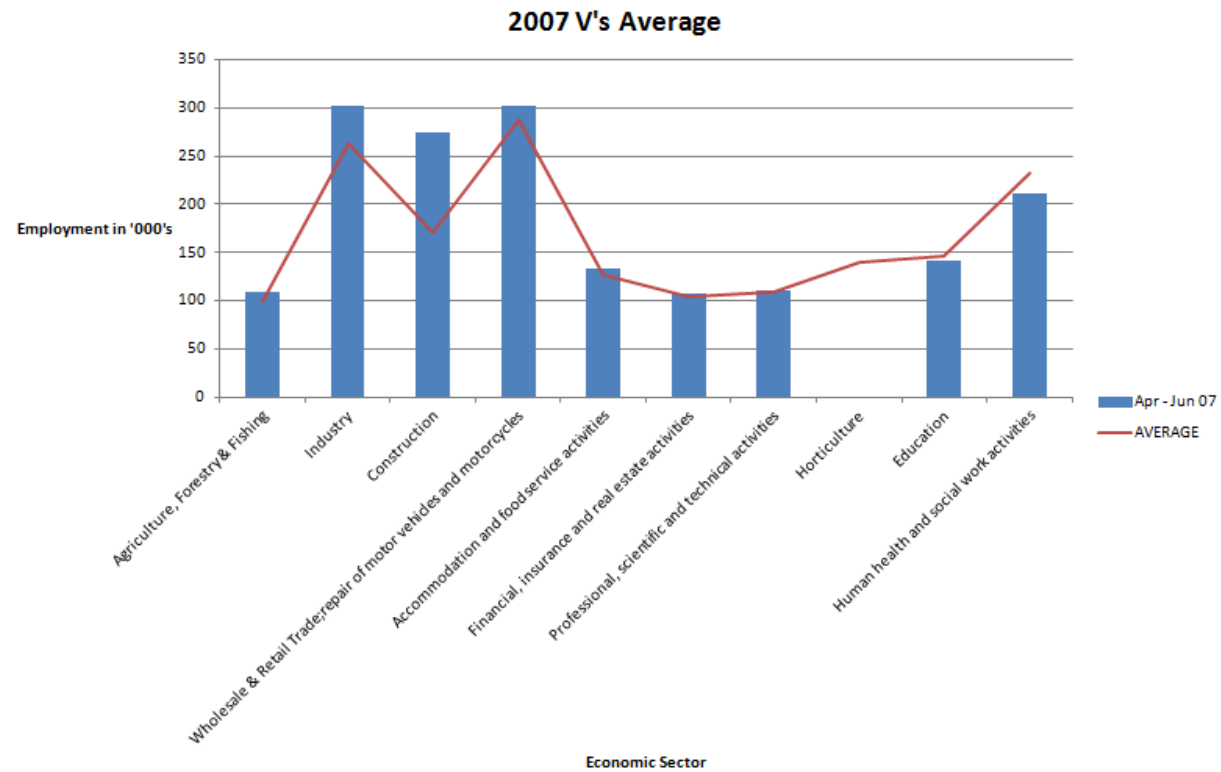
(7%)

22% Create the appropriate formulae to show:

6. Add two new columns to reflect
 - a. the **total** for each of the Economic Sectors columns and (6%)
 - b. the **average** for each of the Economic Sectors columns (6%)
7. Insert a new row above **Education** called **Horticulture** with a value of 140,000 for "**Apr-Jun 13**" only. (4%)
8. Format this title "**Apr-Jun 13**" to 48 degree angle, with a different font colour, font type and font size of your choice. (6%)

40% Chart

9. Recreate the following chart



Your final spreadsheet will look similar to the following:

| | A | B | C | D | E | F | G | H | I | J |
|----|---|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-----------------------|--------------|----------------|----------------------------------|
| 1 | Employment and Unemployment (ILO) '000s | | | | | | | | | |
| 2 | Economic Sector | Apr - Jun 07 | Apr - Jun 08 | Apr - Jun 10 | Apr - Jun 11 | Apr - Jun 12 | Apr-Jun 13 | TOTAL | AVERAGE | Total incl. Bonus |
| 3 | (NACE Rev.2) | | | | | | | | | |
| 4 | Agriculture, Forestry & Fishing | 108.7 | 116 | 85.1 | 85.7 | 87.1 | 103.4 | 498.9 | 99.78 | |
| 5 | Industry | 301.7 | 291.4 | 244.7 | 239.5 | 231.7 | 238.4 | 1315.7 | 263.14 | 65.79 |
| 6 | Construction | 273.9 | 246.1 | 126.5 | 106.4 | 99.6 | 102.7 | 855.6 | 171.12 | 42.78 |
| 7 | Wholesale & Retail Trade;repair of motor vehicles and motorcycles | 301.8 | 314.8 | 278.4 | 274.5 | 268.2 | 271.5 | 1441 | 288.2 | 72.05 |
| 8 | Accommodation and food service activities | 133.1 | 128.7 | 127.2 | 114.4 | 120.0 | 129.6 | 633 | 126.6 | |
| 9 | Financial, insurance and real estate activities | 107.1 | 107.1 | 104.2 | 105.1 | 99.3 | 98.9 | 522.4 | 104.48 | |
| 10 | Professional, scientific and technical activities | 110.9 | 118.3 | 101.9 | 103.8 | 102.6 | 108 | 542.9 | 108.58 | |
| 11 | Horticulture | | | | | | 140 | 140 | 140 | |
| 12 | Education | 142.1 | 147.4 | 149.4 | 146.1 | 146.3 | 150.3 | 735.3 | 147.06 | 36.77 |
| 13 | Human health and social work activities | 211.7 | 222.8 | 237.1 | 243.3 | 244.4 | 244.6 | 1159.5 | 231.9 | 57.98 |
| 14 | Other NACE activities | 98.2 | 99.6 | 92.4 | 96.3 | 100.62 | 101.8 | | | |
| 15 | Total in Employment | 2136.1 | 2147.3 | 1893.6 | 1861.3 | 1,836.2 | 1869.9 | | | |
| 16 | Total Unemployed | 107.5 | 131 | 305.1 | 317.4 | 323.0 | 300.7 | | | |
| 17 | Total Labour Force | 2243.6 | 2278.3 | 2198.7 | 2178.7 | 2,159.1 | 2170.7 | | | |
| 18 | Not in Labour Force | 1254.6 | 1296.6 | 1399.5 | 1420.4 | 1,431.9 | 1415.6 | | | |
| 19 | Population 15 Years & Over | 3498.2 | 3575 | 3598.2 | 3599.1 | 3,591.0 | 3586.3 | | | |