Sustainable Data Science

and Artificial Intelligence

Activity #5

**Instructions**

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| 1. In Excel, type the following values into the following cells:

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| --- | --- |
| **B6** | Seizure |
| **B7** | Aphasia |
| **B8** | Cognitive Issues |
| **B7** | Aphasia |
| **C2** | HOUSE, Season 1, Episode 1 |
| **C5** | Symptoms |
| **C6** | 0 |
| **C7** | 1 |
| **C8** | 0 |
| **D6** | CAT Scan |
| **D7** | MRI |
| **E5** | Initial Tests |
| **E6** | 0 |
| **E7** | 1 |
| **F6** | Thiamine Level |
| **F7** | Contrast MRI |
| **G5** | Follow up Tests |
| **G6** | 0 |
| **G7** | 1 |
| **H6** | Brain tumour |
| **H7** | Brain lesion |
| **H8** | Aneurysm |
| **H9** | Stroke |
| **H10** | Ischemic syndrome |
| **H11** | Creutzfeldt–Jakob disease |
| **H12** | Wernicke encephalopathy |
| **H13** | Cerebral vasculitus |
| **I5** | Likely Diagnosis |
| **I6** | =IF(AND((C6=1),(G6=1)), "Do another contrast MRI", "No") |
| **I7** | =IF(AND((C7=1),(G6=1)), " Inject gadolinium", "No") |
| **I8** | =IF(AND((C7=1),(E6=1)), " Check protein markers", "No") |
| **I9** | =IF(AND((C8=1),(E6=1)), " Check SED rate", "No") |
| **I10** | =IF(AND((C7=1),(E7=1)), " Give blood thinners", "No") |
| **I11** | =IF(AND((C6=1),(E7=1)), " Test with interferon", "No") |
| **I12** | =IF(AND((C6=1),(E6=1)), "Change diet", "No") |
| **I13** | =IF(AND((C8=1),(E6=1)), " Use immunosuppressants", "No") |

It should look something like this (if you want to you can add in the lines and the shading I have put in, please do):Do a screengrab of that and put it in the answer template. |

**Submission Instructions**

Please submit in the following two ways

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| --- |
| Please e-mail me your completed solution, and with filename:*Familyname\_FirstName\_TU850\_1\_SDSaAI\_Activity5.docx*e.g.*Gordon\_Damian\_TU850\_1\_SDSaAI\_Activity5.docx*Also include the answer to Activity #1-4 in separate files.e-mail to Damian.X.Gordon@TUDublin.ie with subject heading as follows: [DT850/1] SDSaAI Activity #1-5 |
| Please submit into Brightspace in:* Assessment
	+ Assignments
		- Activity #5
 |

For the email, please include the following message:

|  |
| --- |
| **Damian,****I am a student in your Sustainable DS & AI (CMPU1040) class in the BSc in DS & AI (DT850/1).****Please find attached Activity #1-5.****Regards,****Your Name****Student Number.****DT580, BSc in DS & AI** |