Sustainable Data Science

and Artificial Intelligence

Activity #5

**Instructions**

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| 1. In Excel, type the following values into the following cells:   |  |  | | --- | --- | | **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](mailto: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:

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| **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** |