**Interim Project Overview**

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| **UK Data Analyst programme - Interim Project** | |
| **Project Description** | The Adventure Works demo data base serves as a great platform to practice SQL and data analytics skills. With this project, learners will be given the opportunity to boast the SQL, Python and data analytics skills that they have learned in the Data Analytics program so far. |
| **Project Objectives** | Answer select questions about the demo data contained in the Adventure Works database by using SQL, Python and data analytics learnings. The following questions need to be answered in the form of a well-worded report including charts to support findings. Using the data available in the Adventure Works database, articulate answers for the following questions in the form of a report:   1. What is the regional sales in best performing country 2. What is the relationship between annual leave taken and bonus 3. What is the relationship between Country and Revenue 4. What is the relationship between sick leave and Job Title (PersonType) 5. What is the relationship between store trading duration and revenue 6. What is the relationship between the size of the stores, number of employees and revenue |
| **BSM** | All |
| **Duration** | * Interim Project: 5 (1 hour) working sessions + 20 minute Presentation |
| **Project Team Structure** | * A group of 3 -5 members |
| **Project Structure and Schedule** | The project will be assessed as follows. All project work will be conducted through workshops held during programme hours.  **Report:** Clear Writing That Answers Questions (0-10)  **Python:** Clean and Readable code (0-6) Creative Solutions (0-6) Efficient Code (0-3) Well Composed visualizations (0-6)  **SQL:** Efficient Queries (0-4) Creative Solutions (0-3) Returning all the required fields (0-2)  **Team:** Teamwork (0-10) Growth Mindset (0-4)  **Total Score:** 54 |
| **Project Deliverables** | 1. Your **project portfolio** should include the following:  |  |  |  | | --- | --- | --- | | **Deliverable 1** | **Deliverable 2** | **Deliverable 3** | | * A simple project proposal * A simple summary of open-source libraries comparison linked to project * A list of ideas generated, consisting of conceptual sketches, function, and key components | * A simple document about the database schema, table structure, and entity-relationship model * The source code for your solutions to finish this task | * A detailed report that will help executives of Adventure Works to gain a clear understanding of the data with respect to the questions. |  1. **Final presentation slides** |
| **Final Presentation** | * Time is allocated for final presentation prep and rehearsal before the actual presentation. * Each team will take turns to present the completed project |
| **Assessment** | * **Formative Assessment of Project Deliverables** -   + Specific qualitative feedback will be provided for each team’s performance (technical)/ deliverables throughout all phases.   + The team score will be given for the final presentation based on a rubric. * **Peer Assessment** - Participants will assess their team members’ BSM and collaboration after each phase * **Self-Reflection** - Participants will complete a self-reflection form after each phase to self-assess how they have demonstrated BSM in their project teams. |