



VerveBridge

Crafting Careers, Empowering Tomorrow

Project Title	Case Study Aviva R&A MI
Technologies	Data Analytics
Domain	Business Analytics
Project Difficulties level	Advanced

Problem Statement:

Problem statements are mentioned along with the datasets in the given excel sheets. Please download the file and answer the questions.

Questions	Answers (Use only Formula's to Derive the results)*	Weightage
Count of Male Sales person		1
Count of Female Sales Person		1
Price per Policy(Overall Level)		1
Overall Sales made in January 2013		1
Overall Sales made in May 2013		1
Maximum sales made in September 2013		1
Average Sales made in January 2013		1
Name of the Sales person who made sales of 2800		1
Overall sales made by Sales person's names starting with "J"		1
No. of Sales made by Sales Person Stu in December 2013		2
Rank the third highest sales person based on Policies sold		2
No. and Name of Sales Person with "0" Policy sales in the year 2013		2
Top 5 Sales Person's in Year 2013		2
Top 2 Female Sales Person's based on Sales made in 2013		2
Derive the sentence along with the values "Top Overall sales made in 2013 " " by " " sales persons, out of which " " are female and " " male .		3
Total Weightage		22
No. of days between 31st March 2013 and 1st Jan 2014		1
No. of Year between 15th August 1947 to till date		1
No. of Months between 14th April 2011 to till date		1
Total Weightage		3



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Table A

Sales Person	Gender	Quotes	Sales (in Volume)	Sales (in Value)	Sold Month and Year	Month
Cara	F	70	10	800	12013	1
Jessy	F	30	7	400	12013	1
Lewis	M	40	5	400	32013	3
Tommy	M	24	3	1200	42013	4
Annie	F	20	2	2000	12013	1
Jack	M	10	1	0	52013	5
Hugo	M	30	1	400	52013	5
Jonathan	M	14	1	0	72013	7
Aaron	M	10	1	0	12014	1
Willy	M	12	0	2800	82013	8
Sarah	F	10	0	4000	92013	9
Zara	F	15	0	400	92013	9
Stu	M	30	0	0	122013	12

Import the data available in the notepad in to the Excel and create a table.

With the imported data create a Table with the following Conditional Formatting

Age Less than 20, Cells to be filled with Dark Blue and White font

Age More than 20, Cells to be filled with Black and White font

Gender Female , Cells to be filled with Dark Grey and White font

Gender male , Cells to be filled with Dark Green and White font

Identify Duplicates in the names column and Fill the cells with Yellow

Once the data is imported, create a New file and save as Customer data and encrypt with a password as "WNS@123"

Populate the data only on the box below, otherwise it will be considered void.

Name	Gender	Age	Location	Hobby
Ana	F	21	Newyork	Cricket
Alex	M	22	Idaho	Reading
zoey	F	30	Kensas	Music
tamara	F	24	California	Fitness_Gym
sally	F	19	Boise	Dancing
Zack	M	32	Charlote	Dancing
Kiara	F	22	Charlote	Ice_Skating
Mike	M	42	Newyork	Football
Jay	M	25	Seattle	Football
Ben	M	24	California	Fitness_Gym
Stu	M	38	California	Hiking
Stu	M	28	Philadelphia	Hiking
Alex	M	30	Texas	Reading



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Dataset:

Datasets are available in zip files. Google Drive links have been shared below:

https://drive.google.com/file/d/1PbzDMhSNDxWi3qikXmLXh0F-BNhoIUPw/view?usp=drive_link

Project Evaluation metrics:

Code: As per the requirements

- ☐ You are supposed to write a code in a modular fashion
- ☐ Safe: It can be used without causing harm.
- ☐ Testable: It can be tested at the code level.
- ☐ Maintainable: It can be maintained, even as your codebase grows.
- ☐ Portable: It works the same in every environment (operating system)
- ☐ You have to maintain your code on GitHub.
- ☐ You have to keep your GitHub repo public so that anyone can check your code.
- ☐ Proper readme file you have to maintain for any project development.
- ☐ You should include basic workflow and execution of the entire project in the readme file on GitHub
- ☐ Follow the coding standards: <https://www.python.org/dev/peps/pep-0008/>

Database:

- ☐ You are supposed to use a given dataset for this project.

[Click here for dataset](#)

Submission requirements:

1. Offer Letter:

After the introduction session, you have to upload the offer letter on LinkedIn between 10 am and 2 pm and also tag Vervebridge.

2. Task repo and video :

All the repos you create to upload the code on GitHub should be in the name of Vervebridge and all the videos you upload on LinkedIn should have the Vervebridge logo.

3. Architecture:

Whatever code you write, its details should be given in the comment above the code as to why that code is written.

4. Project demo video:

The project demo video should not be more than 2 minutes long and the Vervebridge logo should be mentioned in the video.

5. The project LinkedIn a post:

Whatever projects you get, you have to keep doing them on LinkedIn as they get completed and when all the projects are completed, you will get a certificate.

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