Assignment #1

Considering the "**Advertising**" dataset:

- Visualize the dataset (Radio-Sales; TV-Sales; Newspaper-Sales) using "seaborn" library and interpret the results;
- Split the dataset into training and testing sets and perform the linear regression using "scikit-learn" library. Interpret and comment the model coefficients. Evaluate the regression model based on the RMSE metric.
- Perform the linear regression with only one feature at a time (e.g. Radio, TV and Newspaper) and evaluate each model based on the RMSE metric. Which one is better?
- Perform the linear regression with two features at a time (e.g. Radio-TV, Radio-Newspaper, TV-Newspaper) and evaluate each model based on the RMSE metric. Which one is better?

Important:

- The homework (minimum 3 pages) should include the python code (from Jupyter Notebook-print screens) and the related comments and figures.
- The file should be uploaded to the virtual campus by **May 26th**, with the name **"assignment1_LastName_FirstName.pdf".**