Response

Please download the [iris.csv](https://olat.vcrp.de/m/c2349c559605e52b25415779ab102144/iris.csv?href=iris.csv) file and perform the following tasks.

1. Create a user-defined function to compute pairwise Pearson correlation coefficients. The function takes two variables as arguments and returns the correlation coefficient between them. ( 6 points)
2. plot the graphs to visualize the correlation between two variables and also write a code to visualize the correlation matrix. (6 points).
3. Perform z-score standardization on the data. (6 points)
4. Compute covariance matrix for the standardized data. (6 points)
5. Find the eigenvalues and eigenvectors for the covariance matrix and print them in descending order. (6 points)

**Note:**

* **Please upload your solution as one .ipynb file.**
* **If the code has any syntactical, logic errors, and/or exceptions it will not be accepted**