

# CLL 788

## Assignment 5

- 1 Manually (pen-paper) perform the PCA analysis of the data vectors Y1, Y2 presented in the following table. Calculate the eigen vectors corresponding to two principle directions and transform the data into the new coordinate space.

Y1	Y2
2	1
3	4
5	0
7	6
9	2

- 2 Write a brief report of maximum two pages on the paper “Deep learning for multi-year ENSO forecasts”. (This paper pdf file has been shared along with this assignment). Explain the following points in your report:
  - i) Summary of your understanding
  - ii) Methodology
  - iii) Your critical appraisal

### Submission Instructions

1. Submit a pdf file on moodle named “EntryNumber.pdf” with all the questions.
2. The report will be checked on **Turnitin** and plagiarism will be heavily penalized.
3. Deadline for the submission is **27th June 2020**.
4. For any doubts in the assignment, contact: Devansh Agrawal:  
[devansh.agrawal1997@gmail.com](mailto:devansh.agrawal1997@gmail.com)