





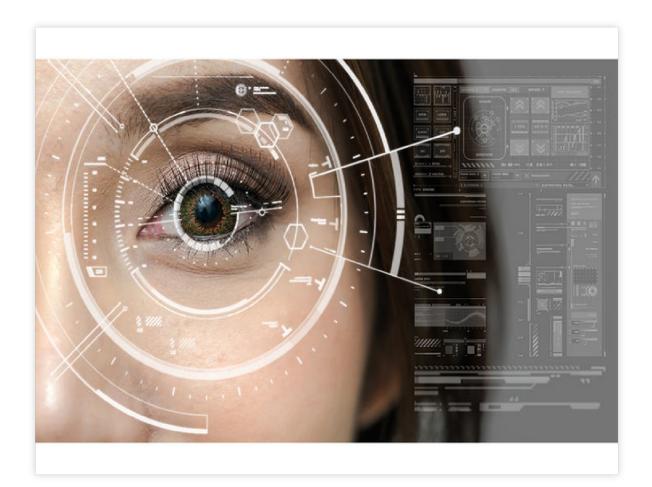






3.13 Pass activity

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Welcome to week-3 quiz and problem solving activity.

Quiz: Attempt the quiz as many times as you need to score more than 85% and then take a screen-shot of your score and add it in your report that you are going to submit as a part of pass task in OnTrack.

31130/

We can find the quiz link by clicking on this SIT305-Week 3-Quiz ☑

SIT720

We can find the quiz link by clicking on this SIT720-Week 3-Quiz ☑

Problem solving activity: Solve the following set of problems using Python and submit the code file with extension .ipynb in OnTrack as part of your pass activity.

SIT 307 and SIT 720

- 1. Load data from "Live_20210128.csv " file. Remove unwanted features if required.
- 2. Select the optimum k value using Silhouette Coefficient and plot the optimum k values.
- 3. Create clusters using Kmeans and Kmeans++ algorithms with optimal k value found in the previous problem. Report performances using appropriate evaluation metrics. Compare the results.
- 4. Now repeat clustering using Kmeans for 50 times and report the average performance. Again compare the results that you

have obtained in Q3 using Kmeans++ and explain the difference (if any).

SIT 720

5. Apply DBSCAN on this dataset ("Live_20210128.csv 😝 ") and

Reflect in ePortfolio

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