SIT307_SIT720 - Machine Learning

LS

2.14 Pass activity

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Welcome to week-2 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.

SIT307

SIT307

We can find the quiz link by clicking on this **SIT307-Week 2-Quiz**

SIT720

We can find the quiz link by clicking on this **SIT720-Week 2-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. Read "**sensor-readings-with-temperature-light-humidity-every-5-minutes-at-8-locations-t.csv** " and print the feature name with numbers of missing entries.

2. Fill in the missing entries. For filling any feature, you can use either the mean or median value of the feature values from observed entries. Explain the reason behind your choice and print replacement value of each feature.

3. Encode the categorical variable location" using an appropriate encoding approach and display the encoded values. Justify your selection of encoding approach. Save the modified

data into a csv file. Upload this new file with your submission in OnTrack.

4. Apply the min-max scaling on features "[boardtype, boardid ,temp_max, temp_min, temp_avg,light_max, light_min,light_avg,

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